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*City Council*  
HOWARD GELLER, MAYOR  
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KEITH HAYDON, COUNCILMEMBER  
JULIE K. PIERCE, COUNCILMEMBER  
DAVID T. SHUEY, COUNCILMEMBER

October 30, 2016

Bruce H. Wolfe, Executive Officer  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Dear Mr. Wolfe:

Enclosed is the 2015-16 Annual Report for the City of Clayton, which is required by and in accordance with Provision C.17 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The City of Clayton had previously communicated to your office on September 26, 2016, that due to extra ordinary unforeseen circumstances the City of Clayton would need additional time to complete its report, and would file it October 31, 2016. (See attached email communication dates September 26<sup>th</sup> and 27<sup>th</sup> 2016)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sincerely,  
Gary A. Napper

  
City Manager

Enclosure

## Laura Hoffmeister

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**From:** Bowyer, Dale@Waterboards <Dale.Bowyer@waterboards.ca.gov>  
**Sent:** Tuesday, September 27, 2016 11:15 AM  
**To:** Louie, Selina@Waterboards; Laura Hoffmeister  
**Cc:** Lichten, Keith@Waterboards  
**Subject:** RE: City of Clayton annual report for 2015 2016

Laura,

We cannot grant a formal extension of a permit deadline. We note your circumstances and state that if the annual report for Clayton is received by us by Oct. 31, we are unlikely to recommend enforcement action for the late submittal.

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**From:** Louie, Selina@Waterboards  
**Sent:** Tuesday, September 27, 2016 11:02 AM  
**To:** Bowyer, Dale@Waterboards  
**Subject:** FW: City of Clayton annual report for 2015 2016  
**Importance:** High

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**From:** Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]  
**Sent:** Monday, September 26, 2016 5:03 PM  
**To:** Louie, Selina@Waterboards  
**Cc:** Tom Dalziel  
**Subject:** City of Clayton annual report for 2015 2016  
**Importance:** High

Hi Selina:

The City of Clayton has a 60% reduction in city staff, including a key senior staff member, and thus has not been able to provide me as yet their data that is needed for me to properly complete the annual report.

(I also fractured my left wrist and am just now recovered barley enough to where I can begin to type with two hands which makes it go a bit faster)

Given the above my boss the City Manager Gary Napper would like to find out the correct process for obtaining a 30 day extension of filing our report so instead of September 30 the it would be Oct 31<sup>st</sup> 2016

Please advise

Thank You

Laura Hoffmeister  
Assistant to the City Manager  
City of Clayton  
6000 Heritage Trail  
Clayton, CA 94517

Email: [LHoffmeister@ci.clayton.ca.us](mailto:LHoffmeister@ci.clayton.ca.us)  
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**ATTACHMENT B**

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**FY 2015-2016 Annual Report**  
**Permittee Name: City of Clayton**

**Permittee Information**

**Section 1 – Permittee Information**

<b>Background Information</b>			
<b>Permittee Name:</b>	City of Clayton		
<b>Population:</b>	11,288		
<b>NPDES Permit No.:</b>	CAS612008 (San Francisco Bay RWQCB Permit)		
<b>Order Number:</b>	R2-2015-0049 (San Francisco Bay RWQCB Permit)		
<b>Reporting Time Period (month/year):</b>	July 2015 through June 2016		
<b>Name of the Responsible Authority:</b>	Gary Napper	<b>Title:</b>	City Manager
<b>Mailing Address:</b>	6000 Heritage Trail		
<b>City:</b>	Clayton	<b>Zip Code:</b>	94517
<b>Telephone Number:</b>	925-673-7300	<b>Fax Number:</b>	925-672-4917
<b>E-mail Address:</b>	gnapper@ci.clayton.ca.us		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Laura Hoffmeister	<b>Title:</b>	Assistant to the City Manager
<b>Department:</b>	Administration		
<b>Mailing Address:</b>	6000 Heritage Trail		
<b>City:</b>	Clayton	<b>Zip Code:</b>	94517
<b>Telephone Number:</b>	925-673-7308	<b>Fax Number:</b>	925-673-7308
<b>E-mail Address:</b>	LHoffmeister@ci.clayton.ca.us		

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary: The City of Clayton monitored and received updates from the Contra Costa Clean Water Program's (CCCWP's) Municipal Operations Committee/Work Group, and the BASMAA Municipal Operations Committee. Refer to the C.2 Municipal Operations section of the CCCWP's FY 15-16 Annual Report for a description of activities implemented at the countywide and/or regional level and on our behalf.

The City does not have a full service maintenance department. The City has only 5 full time maintenance staff, of which only 4 were filled during FY 15-16. These 4 full time staff are responsible for 2 million square feet of landscaping and irrigation; 500 acres of open space; 50 acres of parks and irrigation; 4 children playgrounds/equipment; 3 ball fields; 2 soccer fields; 84 miles of trails; 84 miles of street markings; 50 miles of underground drainage; 20 miles of major roadway sidewalks; 10 miles of creeks; 650 catch basins (inlets); 15 miles of "v" ditches; 2000 street signs; 500 street lights; 110,000 sq. ft. of public buildings; and 75,000 square feet of public parking lots. Services for street pavement and/or sidewalk repair, weed abatement, tree trimming, sewer and signal lights are contracted out. Water supply and fire protection services are provided by other public agencies. The City uses a maintenance staff supervisor as the field contact person (Mark Janney 925-763-7327) and the Assistant to the City Manager (Laura Hoffmeister, 925-673-7308) as the primary program manager for the entire permit, including Municipal Maintenance.

**Street Cleaning/Sweeping**

Monthly sweeping was done during FY 15-16 on all city streets, which is about 82 curblane miles. (annually this equates to 1764 curb lane miles swept) A total of 85.81 tons (or 308 cubic yards) of material were collected by the City sweeping contractor. This is about 13 tons less than FY 14-15 due to the ongoing drought with less vegetation materials.

In addition three city street areas, about 15 curblane miles, which are part of a truck route to a nearby gravel quarry in the County are swept at a minimum of a weekly basis by the Quarry (CeMex formerly Lodestar RMC Quarry), and often during the summer busy season are swept two to three times a week to prevent quarry dust and sediment from reaching storm drains. This would average about 1950 curb lane miles per year. There are no quantitative statistics of the Quarry sweeper as part of the route is in the County (unincorporated) and it is under contract by a private business (rock quarry) that is located outside the City's jurisdiction. The quantitative data is for the City monthly sweeper and is extrapolated for the Quarry based on the average amount of material picked up per mile by the City sweeper of in FY 15-16 of .17 cubic yards per mile. This would equate to about 94 tons (or 340 cubic yards) collected of additional materials collected. IN FY 15-16 the Quarry sweeper collected about 11 tons less than in FY 14-15 again likely due to the lingering drought and less vegetation associated with the drought.

The company uses a broom assist vacuum sweeper which has been effective for our mostly residential community with its leaf fall from its street trees and dust and sediments from the gutter. The quarry uses a broom/brush sweeper as the material targeted by them is gravel and larger sediment particles along the quarry truck accesses.

Drainage Inlet Cleaning Every City storm drain (catch basin) and culverts were inspected and cleaned (approximately 650) and approximately 6.0 cubic yards of sediment was removed. The remainder was leaves and a bit of litter/trash consisting of a few plastic bottles, some paper, and

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Permittee Name: City of Clayton

C.2 – Municipal Operations

cans. This was similar to the amount of material collected last year (6.5 cubic yards). However less sediment and vegetation material has been found over the last four to five years due to a decreased amount of rainfall from the lingering drought conditions. In addition the City maintenance cleaned and removes debris from 25 full trash capture devices which are reported in Section 10; in FY 15-16 a total of 38.74 cubic feet of material was removed. This is 3.18 less than last year. There continues to be less debris especially trash over time. For comparison in FY 14-15 a total of 41.92 cubic feet of material was removed (about 60 cubic feet less than in FY (12-13) which collected 109 cubic feet. It is also likely the lingering drought conditions are also contributing to this decrease with less silts and vegetation.) The City observes that most of the materials collected are vegetation (18.83 cubic feet); followed by sediment (10.29 cubic feet), then paper (9.29 cubic feet), very little plastic (.29 cubic feet) and metals are the least (.04 cubic feet) amount collected.

DI "No Dumping Drains to Creek" decals: The 650 inlets were inspected at the same time of cleaning /inspections. Of the 650 inlets there were 208 thermoplastic decals noted as missing or damaged. 105 new thermoplastic decals were ordered and installed. There are still 103 that need to be replaced. Currently 85% of the inlets are marked. The remaining 103 will be done in spring of 2017.

Creek cleaning of the 10 miles of creeks were walked and inspected and cleaned by the City Maintenance staff consisted of about 40 cubic yards of landscape materials, mostly woody brush, branches, and some tree limbs. This was 50 cubic yards less than in FY 14-15 as the box culverts areas were not done. The box culvert areas are done about once every four to five years, and were last done in FY 14-15. A slide debris bench area had no material removed, this is a preventative measure that is done apx. every 5 years, and done last year in FY 14-15. The majority of material collected in the creek was from some dead brush and branches due to the severe ongoing drought, some plastic bottles, paper, a few cans. In addition the City has one Hot Spot location that is cleaned annually and is not included in the above volume but is reported in Section C-10. In FY 15-16 this Hot Spot had .07 cubic yards of material (half of last year's .15 cubic yards). The materials collected were mostly paper, cardboard pieces and small plastic sheet sections and a few plastic bottles and cups. Other items consisted of old bicycle and shopping cart. Due to the ongoing drought this area in FY 15-16 became a more attractive place for a few transients as the nearby box culvert and the dry creek in Concord provides shelter for the few transients that are now in the area. Regular police checking minimizes transient activity, along with the city no camping ordinance which allows the police to cite/arrest; along with monthly checking and major trimming of vegetation clean up by the Shopping Center property owner reduced this activity by spring (the adjacent Safeway as the creek is not on public property but is private property) – typically this area has water in the creek and is not an attractive location for transients, however with the ongoing drought the creek and nearby box culvert has been dry a few transients have been more prevalent. The transients have been eliminated due to these actions. If upcoming fall/winter rains occur there is likely to be water in the creek which further discourages their activity.

V-ditch cleaning:

The City maintenance staff walked and inspected and cleaned 15 miles of v-ditches in the open space areas including those near to residential development areas. A total of 10 cubic yards of dirt and weeds were removed from the V-ditches. This amount is only 4 cubic yards less than last year and is mostly attributed to reduced vegetation due to the lingering drought conditions. Only a very small amount of litter consisting of a few pieces of paper, a few plastic bottles and a couple of cans, etc. was collected.

City Parks refuse and recycling containers: City Maintenance staff emptied the parks 79 containers (usually 2-3x weekly) during FY 15-16 there was apx. 1,942 cubic yards of trash and 322 cubic yards of recycling collected in the containers.

**New Zealand Mud Snail Policy:** In September 19, 2012 there was a new administrative written Standard Operation Procedures (SOP) for addressing maintenance issues related to the potential threat of New Zealand Mud Snail. The information was transmitted to the Maintenance Supervisor who then provided the information to the maintenance staff. The information was initially reviewed on September 27, 2012 with the staff and acknowledged in writing of receiving the policy, and is reviewed annually thereafter. The City maintenance staff does not allow its volunteers that it directly oversees (i.e.: work alternative program) go into the creek. Seasonal hired staff, as they arrive, are provided the information before being allowed to work in the creek areas. In June 2014 an update was received from the Clean Water Program indicating the observance of the New Zealand Mud Snail in a portion of Mt Diablo Creek in Clayton (near the Branch Library). City Maintenance staff and the City Council were provided this information. No work was conducted in the creek in the area identified to be impacted by the New Zealand Mud Snail since September 2013 by City Maintenance staff. Annually prior to each rainy season (Sept- October), Maintenance reviews protocols and Standard Operating Procedures (SOP). In addition all outside contractor that the City hires that might be working in and around the segment of affected creek were provided the information regarding the New Zealand Mud Snail and the SOP. The Maintenance staff received the review for FY 15-16 on September 16, 2015, and the City contractor received and the information in May 2015 for weed abatement and April 2015 for creekside trail repair and creek pedestrian plank board replacement project. These materials were all provide by and reviewed with Maintenance Supervisor Mark Janney. The Contractors signed written statements that they had received and reviewed the materials prior to being authorized to commence work.

See Attachment C 2

**C.2.a. ► Street and Road Repair and Maintenance**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</b>	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
<b>Y</b>	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
<b>Y</b>	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

**Comments:** In addition to BMP controls for specific road and maintenance projects above all public streets are swept once a month via a contract with a street sweeping company. A private sweeping company also sweeps at least one time a week, certain city roads related to rock quarry truck route, the quarry (CeMex Quarry – formerly Lodestar Quarry). This rock quarry is not located within the City Limits it is located in the unincorporated area; however portions of their truck route are within the City of Clayton. The City maintenance staff does not conduct road pavement repair projects. These projects are contracted out and the contractor specification documents include reference to needing to have and comply with appropriate BMP's including those listed above. Due to funding limitations the City of Clayton is only able to contract out street repair or resurfacing projects every two to three years. The City Engineer is responsible for inspection of the contractors work to ensure appropriate BMPs are being implemented. See Attachment C2



**C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</b>	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
<b>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments: **The City only has a few small public surface parking lots, we do not pressure wash these. The City does not have any gas station fueling areas. We have two public plaza areas that are periodically pressure washed and all wash water is plain water only and is directed to landscape areas per the BASMAA Mobile Surface Cleaner Program BMPs.**

**C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>N/A</b>	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
<b>Y</b>	Control of discharges from graffiti removal activities
<b>Y</b>	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
<b>N/A</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
<b>Y</b>	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
<b>N/A</b>	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments: **All graffiti removal is done with direct applied solvent with rags and wiped with cloths. Graffiti is very minimal and rarely occurs and not a problem in the City of Clayton. In some rare occurrence the City will paint over the graffiti. The City does not use mobile surface cleaning for outdoor areas. The City does not have any bridges, except for small pedestrian foot bridges along the public trail which crosses Mt Diablo Creek in a few places. The City maintenance staff does not undertake any bridge or structural maintenance activities; if a need arises it would be**

contracted out. We did not contract out for creekside trail erosion repair and replacement of wood plank in pedestrian creek trail bridge. No graffiti was encountered by the contractors.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural <sup>1</sup> roads:	Yes      No
If your answer is <b>No</b> then skip to <b>C.2.f.</b>	<input type="checkbox"/> <input checked="" type="checkbox"/>
Place a <b>Y</b> in the boxes next to activities where applicable BMPs were implemented. If not applicable, type <b>NA</b> in the box and provide an explanation in the comments section below. Place an <b>N</b> in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.	
Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas	
Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources	
No impact to creek functions including migratory fish passage during construction of roads and culverts	
Inspection of rural roads for structural integrity and prevention of impact on water quality	
Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion	
Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate	
Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings	
Comments including listing increased maintenance in priority areas:	

<sup>1</sup>Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

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**C.2 – Municipal Operations**

<b>C.2.f. ► Corporation Yard BMP Implementation</b>	
Place an <b>X</b> in the boxes below that apply to your corporations yard(s):	
<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:	
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants
Comments:	
<p>The Corp yard SWPPP was updated in August 2013, and was included as an attachment with the FY 13-14 Annual Report. No changes have been made since, and therefore is not included with this Annual Report. The City had previously conducted its inspections Annual prior to the rainy season of October 15<sup>th</sup>. However based upon comments received January 8, 2013, from the Water Boards review of the FY 11-12 Annual Report it was requested that we conduct prior to September 30<sup>th</sup>. Because the notice from the SF Water Board staff was received in January 2013, it was too late to adjust for FY 12-13. The timing has been done annually and reported in each Annual Report Cycle. In FY 13-14 the inspection timing was changed to comply with the Water Board comments. For FY 14-15 the inspections were targeted to be done annually in mid-September. We have included the last five prior FY inspections on our reporting table for ease of looking at the history and determining any trends that would need attention. We have not identified any trends or issues.</p>	



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If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:

Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Clayton Maintenance Yard	Sept. 16, 2015 (FY 15-16)	Need to cover stockpiles with tarps, checked and inspected catch basin (no issues found) conduct minor housekeeping of materials storage, including removal of old paint, bulbs and signs, and dry sweep yard is needed	Purchased new tarps and installed over equipment and bin materials (ie: sand, gravel, top soil, bark). Installed trash cans at the police parking area. Removed old paint, signs, old light bulbs from yard and recycled or disposed as necessary. Yard was dry swept. Completed 9/30/15.
Clayton Maintenance Yard	Sept. 18, 2014 (FY 14-15)	Need to cover stockpiles with tarps, checked and inspected catch basin (no issues found) conduct minor housekeeping of materials storage and dry sweep yard needed.	Stockpiles covered with new tarps., misc. materials stacked and covered with tarps, yard dry swept-completed 9/26/14
Clayton Maintenance Yard	Sept. 20, 2013 (FY 13-14)	Need new tarps to cover stockpiles of gravel and bark. Some misc. debris and old street poles, paint cans to be removed and hauled off.	Tarps purchased and on-site, misc. debris removed and hauled off – completed 9/27/13.
Clayton Maintenance Yard	October 5, 2012 (FY 12-13)	All BMPs working fine. Tarps are starting to degrade, need to order additional replacement tarps to cover equipment and bins.	Ordered replacement tarps - completed 10/27/12
Clayton Maintenance Yard	October 7, 2011 (FY 11-12)	All BMP's working fine. Covers, straw waddles and sandbags for stockpiles are beginning to degrade need replacing. Unused and obsolete equipment and stockpile to be removed.	Removed 120 cy of unused dirt stockpile; covered remaining stockpiles with new covers and straw waddles & new sandbags. Removed misc and obsolete equipment - completed 10/28/11

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<p>Clayton Maintenance Yard</p>	<p>February 23, 2011 (FY 10-11)</p>	<p>All BMPs working fine – minor house keeping items being attended to – recovering of stockpile materials, removal of unused vehicle. Vehicle is not leaking fluids and area around vehicle is checked regularly so no issues.</p>	<p>Unused vehicle will be taken to auction house . Continue to inspect vehicle to ensure no leaks until removed- removal expected by 10/30/11. Stockpile covers were replaced on 3/4/11; Unused vehicles were removed</p>
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Section 3 - Provision C.3 Reporting New Development and Redevelopment

**C.3.a. ► New Development and Redevelopment Performance  
Standard Implementation Summary Report**

(For FY 15-16 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:

- (1) Municipality's legal authority to implement C.3: The City regulates projects subject to Provision C.3 of the MRP through the City's Stormwater Management and Discharge Control Ordinance 444 (Chapter 13.12 of the Municipal Code).
- (2) Municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms: All projects that come before the City are reviewed by the Stormwater Manager (Asst. to the City Manager) and City Engineer for compliance with Provision C.3. During the planning stages (i.e., tentative map, use permit, site plan review - architectural review) and has standard conditions of approval that the project shall comply with Provision C.3 prior to issuance of City Planning Dept. clearance for issuance of a building permit or grading permit. In addition, projects that do not go through planning (i.e., building permits) are reviewed by the Stormwater Manager and/or City Engineer and require compliance with Provision C.3 prior to permit issuance.
- (3) How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA): For large projects that require an extensive CEQA review, the Stormwater Manager and/or City Engineer reviews the project and provides comments with respect to water quality effects. Generally there are comments relative to the MRP 2.0 provisions and need or verification that the project complies with C.3; if it does not then mitigation measures are developed to address any issued to ensure the project will with mitigation measures comply with Provision C.3.
- (4) Staff training is provided both through the CCCWP. The City Engineer has also taken courses and is certified QSP/QSD. The City's Stormwater Manager has also taken these classes although is not certified. The City's attended the CCCWP's C.3 Workshop on June 7, 2016. Staff meets to discuss C.3 requirements for projects as the projects arise. The City is also on the CCCWP Development Committee, and Management Committee.
- (5) Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders: City staff (Planning staff, Stormwater Manager and City Engineer) provides outreach to developers, contractors, construction site operators and owner/builders during the plan review process.
- (6) How your municipality encourages site design measures at unregulated projects subject to Planning/Building Department review: Staff encourages projects that are not required to implement C.3 by providing comments to plans prior to permit issuance about possible LID measures. The City requires all projects over 400 sq. ft. of interior work or projects that disturb ground on outside to obtain a city stormwater permit to ensure that appropriate BMPs are being implemented. A BMP plan sheet is attached to plans. Pool permits have information attached to plans about proper pool maintenance.
- (7) How your municipality encourages source control measures at unregulated projects subject to Planning/Building Department review: City staff encourages incorporation of source control measures at unregulated projects during the Planning/Building Department review process. For example, any tenant improvement projects in an existing shopping center are required to install full trash capture devices in the parking lot; new swimming pools are required to have pool maintenance information provided to property owner. Small projects are provided BMPs plan sheet to plans. Drainage for a separate unit such as a secondary unit is encouraged to drain to landscape areas where possible and feasible.
- (8) General Plan revisions (if needed) to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies. Include dates of General Plan revisions: Engineering and Planning staff have reviewed the City's General Plan and have not found a need to revise it in order to meet Provision C.3.

**C.3.b.iv.(2) ► Regulated Projects Reporting**

Fill in attached table C.3.b.iv.(2) or attach your own table including the same information.

The City of Clayton did not approve any Regulated Projects during the FY 15-16 reporting period.

The City of Clayton did determine that one prior project (Silver Oak Estates) that was deemed complete for permit entitlement processing in May 2013, as now not being complete, and the project plans were revised. This project may be deemed complete during the FY 16-17 reporting period, and will be our first larger regulated project. This project is in the process of undergoing the CEQA compliance Environmental Review and will require public hearings for tentative map, design review. The expected start of the public hearing process for the CEQA would be after January 2017 by the City Planning Commission, followed at a later time by the City Council. Thereafter Design Review process will be undertaken and subdivision mapping. At this time it is unknown if the Design and subdivision map entitlement applications will be done concurrently or subsequent to the CEQA process. This is an in fill residential project of apx. 14 acres consisting of 53 attached single family (townhomes) and 7 detached single family homes, near Mt. Diablo Creek. The total density is 4 units per acre. The project draft Stormwater Control Plan complies with City Ordinance 444 and C3 Guidebook 6<sup>th</sup> Ed.

A tentative map for a second project (Oak Creek Canyon) was originally approved approximately ten years ago. The developer did not file the final map timely and the project is now expired. However there is a legal challenge to this determination and a tolling agreement is in effect to further determine if the issues of expiration can be resolved. This project is a six lot final map (5 residential lots and one open space lot). However, no construction activities have been approved or authorized. The developer is considering revising the project and would then beginning the process for his necessary new entitlements which require conformance with the latest stormwater regulations, and be a regulated project.

A tentative map for a small lot infill subdivision of 6 lots (Verna Way) was submitted however was deemed complete in May 2016. It is expected to be complete and entitlements processed in early FY 16-17. The project draft Stormwater Control Plan complies with City Ordinance 444 and C3 Guidebook 6<sup>th</sup> Ed.

A tentative map for a three lot subdivision (one existing church and two new small residential infill lots (St Johns/Southbrook Dr) was deemed complete in June 2016. It is expected to be complete and entitlements processed in early FY 16-17. The project draft Stormwater Control Plan complies with City Ordinance 444 and C3 Guidebook 6<sup>th</sup> Ed. Specifically following the small residential lot guidance.

The City of Clayton stormwater ordinance was updated on April 2, 2013 by Ordinance 444 (previous Ordinance 379 was repealed in its entirety and replaced by the new Ordinance 444). The update was to address some clean up items since adoption of the MRP, and is consistent with the sample updated Ordinance that the program developed. As with the prior Ordinance the current Ordinance 444 requires every application for a development project to be accompanied by a stormwater control plan that meets the criteria in the most recent version of the CCCWP Stormwater C.3 Guidebook as well as the current NPDES permit and any subsequent amendments, reissuance or successor thereafter. The Guidebook is ongoingly updated to incorporate the requirements of Provision C3.

**C.3.c.ii) Design Specifications for Pervious Pavement Systems**

(For FY 2015-16 Annual Report only). Submit design specifications for pervious pavement systems that have been developed and adopted on a regional or countywide basis. If design specifications have been adopted and are contained in a Countywide stormwater handbook, include a reference to the handbook.

Summary: **The City of Clayton is following the design specifications included in the CCCWP's Stormwater C.3 Guidebook.**

**C.3.e.iv. ) Alternative or In-lieu Compliance with Provision C.3.c.**

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

X	Yes	No
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Comments (optional):

The City of Clayton stormwater ordinance was updated on April 2, 2013 by Ordinance 444 (previous Ordinance 379 was repealed in its entirety and replaced by the new Ordinance 444). The update was to address some clean up items since adoption of the MRP, and is consistent with the sample updated Ordinance that the program developed. As with the prior Ordinance the current Ordinance 444 requires every application for a development project to be accompanied by a stormwater control plan that meets the criteria in the most recent version of the CCCWP Stormwater C.3 Guidebook as well as the current NPDES permit and any subsequent amendments, reissuance or successor thereafter. The Guidebook is ongoingly updated to incorporate the requirements of Provision

See Attachment C6

**C.3.e.v. ► Special Projects Reporting**

	Yes	No
1. In FY 2015-16, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		X
2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the <b>C.3.b.iv.(2)</b> Table, and the <b>C.3.e.v.</b> Table.	Yes	No

If you answered "Yes" to either question,

- 1) Complete Table C.3.e.v.
- 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

**C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)**

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.
<b>See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems/HM Controls.</b>

**C.3.h.v.(3)(a) –(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

**Summary:**

Note that projects approved prior to December 1, 2011 were not required to fully implement the LID requirement in Provision C.3.c.i. The City of Clayton did not have nor approve any regulated project during the FY 15-16 reporting period.

There are no Regulated Projects within the City of Clayton and there are not any stormwater treatments or HM controls have that have been built yet for Regulated Projects within the City of Clayton. For any future regulated projects the City will conduct annual O&M Program verification compliance inspection by site. The City conducts its own site verification inspections or directly contracts for such independent verification inspections and inspects all LID projects (including those projects approved prior to December 1, 2011) on an annual basis.

There have not been any significant problems identified to date as part of the unregulated O&M Program and inspections. Minor issues identified to date have been some overgrown landscape vegetation, some sediment filling of LID's and some plant die off. In all cases either the private maintenance corrected the issue as part of regular maintenance or if identified by City annual inspection, correction letter/notice of violations sent to responsible party with deadline to correct. City then conducted a follow up inspection and found the corrections were completed and no further action or follow up was needed.

The City confirmed through its annual inspection process that all sites had been properly maintained and were working as designed. No violations were issued.

Option 1 – Reporting Site Inspections	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY 14-15)	0
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 15-16)	0
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	0
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	N/A % <sup>2</sup>

<sup>2</sup> Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).



<b>Option 2 – Reporting Stormwater Treatment System Inspections (Note: This option is available during FY 15-16 only)</b>	
Total number of stormwater treatment and HM systems in your agency's database or tabular format at the end of the previous fiscal year (FY 14-15)	N/A
Total number of stormwater treatment systems in your agency's database or tabular format at the end of the reporting period (FY 15-16)	N/A
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	N/A
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	N/A % <sup>3</sup>

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<sup>3</sup>Based on the number of stormwater treatment and HM systems database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).



**C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems  
Operation and Maintenance Verification Inspection Program  
Reporting**

Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

The City does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement. These projects are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and assists in trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

See attached table C.3.

The City has 5 private and two public non-regulated projects that have LID with O&M Programs that include self-inspection by owners and/or operators — However the City has always done its own annual inspection and continues to do so even for all these non-regulated projects. The inspection reports include identification of any repairs or maintenance required and appropriate notification to responsible party, as well as follow up inspection to ensure compliance. They are monitored and tracked by the City but are included in this report as information only since they are not regulated projects as they pre-date the specific reporting requirement. Even though these are non-regulated and thus not reportable projects the City is including this information only to more fully document our efforts to address stormwater runoff and full trash capture. The City has two private residential subdivision projects that will be regulated and reportable, however these projects are still working through the entitlement processes.

Non reportable (non-regulated) private projects:

The City has five private projects approved prior to December 1, 2011 as “early projects” they include LID The early projects are:

- CVS Pharmacy (formally Longs Drugs) 16,000 sq. ft.
- Flora Square Retail/Office 7,000 sq. ft.
- Mitchell Creek Place residential 9-lot small lot infill .
- Pine Hollow Estates single family residential subdivision 8-lot.

- Diablo Pointe/Diablo Estates subdivision 24 lot single family residential; however this project was recently completed and accepted by the City in February 2014. The project included the construction of approximately 48 bio- filtration planters which are maintained by each homeowner, and one vortex vault unit that are part of the Benefit Assessment District which the city hires inspector to review all annually and perform maintenance on the vortex units as needed based upon the annual inspections. In some cases repairs and maintenance to the vortex units are completed by City personnel prior to the preparation of an annual Certificate of Compliance being issued for the treatment measures. This project has a Benefit Assessment District that the City uses the funds to monitor compliance with the O&M and maintenance on the Vortex units
- Creekside Terrace is an early private project consisting of a 7,000 sq. ft. mixed use retail/residential project that was approved in October 2011. It is not yet under construction. It's design includes LID measures. The project still has valid entitlement actions.

The City has four future reportable (regulated) private projects:

- Silver Oak Estates was deemed complete in May 2013 however this completeness has been rescinded. The project may be revised and has not yet completed the Environmental Review process.
- Oak Creek Canyon a 5 lot single family detached large lot subdivision was originally approved in 2003, however the tentative map Expired as the developer did not timely complete the process for and file the final map. This project however has a legal challenge by the developer of the staff determination and a tolling agreement is in place to allow time to determine if it can be resolved. This project will need to comply with the current C3 LID and submit appropriate O&M plans/documents as part of any remaining future discretionary approvals. Staff has met with the developer and outlined the issues and reference to the C3 6<sup>th</sup> Ed. The developer may not be able to provide on lot bio planters due to soil and slope conditions, and therefore may pursue modifying the previously planned siltation and detention basin to comply with C3 for all project runoff.
- Verna Way a 6 lot infill single family infill subdivision. The project has a preliminary Stormwater Control Plan and a final plan will be provided for city staff review and approval prior to issuance of construction permits. After complete, in addition to submitting to the City their annual self-reporting maintenance verification reports, the project will be inspected annually by the City.
- St Johns/Southbrook a 2 lot infill single family subdivision. The project has a preliminary Stormwater Control Plan and a final plan will be provided for city staff review and approval prior to issuance of construction permits. After complete, in addition to submitting to the City their annual self-reporting maintenance verification reports, the project will be inspected annually by the City.

Non-reportable (non-regulated) public project:

- Clayton Community Park Parking Lot Expansion, received approval in March 2011, and began construction in June 2011, and completed construction in December 28, 2011. This project included LID and has an O&M Program.

<ul style="list-style-type: none"><li>• Oakhurst Fountain Landscaping Improvements, was constructed and completed in late 2012 however its size of area was below the C3 thresholds however included LID with porous pavers, and bio-filtration planters, it has an O&amp;M program.</li></ul> <p>There have not been any significant problems identified to date as part of the O&amp;M Program and inspections. Minor issues identified to date have been some overgrown landscape vegetation, some sediment filling of LID's and some plant die off. In all cases either the private maintenance corrected the issue as part of regular maintenance or if identified by City annual inspection, correction letter/notice of violations sent to responsible party with deadline to correct. City then conducted a follow up inspection and found the corrections were completed and no further action or follow up was needed. (See Attachment C3 h)</p> <p>The City confirmed through its annual inspection process that all sites had been properly maintained and were working as designed. No violations were issued.</p> <p>Inspections have always been and continue to be conducted by the City staff at all pre regulated projects to ensure compliance with O&amp;M plans. All projects are inspected typically prior to the rainy season. Findings in FY 15-16 indicated minor maintenance items to facilities, which were readily corrected by the operator (trimming of vegetation, cleaning siltation, etc.).</p> <p>There is one pre regulated project that has one vault-based treatment systems, the City always has contracted directly with a 3<sup>rd</sup> party inspection which are done annually.</p> <p>See Attachment C.3.</p>
<p>Provide a discussion of the effectiveness of the O&amp;M Program and any proposed changes to improve the O&amp;M Program (e.g., changes in prioritization plan or frequency of O&amp;M inspections, other changes to improve effectiveness program).</p> <p>Summary:</p> <p>No changes to the O&amp;M Program are planned at this time. No issues have been identified that would require changes. The City has been and will continue to send out annual reminder letters to property owners to submit annual inspection reports (those conducted by property owner). The city also conducts annual inspection of all sites in addition to receiving the owners annual inspection report. Owners are required to pay annual fee with their report as was required in city conditions of approval and city annual adopted fee schedule. Fee covers city review and site inspections.</p>

**C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects**

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.

**Summary:**

The Contra Costa Clean Water Program adopted a December 1, 2012 addendum to the Stormwater C.3 Guidebook, 6th Edition. The addendum, "Preparing a Stormwater Control Plan for a Small Land Development Project," includes step-by-step instructions, a project data form, and standard specifications for runoff reduction measures. The City of Clayton's stormwater ordinance requires that applications for development approvals for projects subject to the permit's new development requirements include a Stormwater Control Plan meeting the criteria in the most recent version of the Stormwater C.3 Guidebook. One development project (St. John's/Southbrook) utilized the Stormwater Control Plan for a Small Land Development Project from the C3 Guidebook 6<sup>th</sup> Edition. City Engineer and City Stormwater Manager are both trained and familiar with the C3 Guidebook 6<sup>th</sup> Edition and addendums.

**C.3.j.i.v.(d) ► Green Infrastructure Outreach**

On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation.

**Summary:**

The City of Clayton provided outreach to City Council on two separate occasions during this reporting year. The April 5, 2016 staff report for approval of the Stormwater Utility Area fee discussed some of the upcoming highlights of MRP 2.0 including ongoing Trash Management and Green Infrastructure

The City Budget presented in June 7, 2016 and June 21, 2016 included information regarding Green Infrastructure requirements: modifying planning documents, identifying potential implementation sites and the need for a Green Infrastructure Framework by June 2017 and Green Infrastructure Plan by 2019. The City Manager and City Engineer receive periodic updates from the Stormwater Manager relative to Green Infrastructure. In addition the City Manager attends monthly Contra Costa Public Managers Assn (PMA) meetings, as needed the CC Clean Water Program Director has provided updates as well as the PMA Liaison on the MRP 2.0 committee relative to Green Infrastructure. In addition the City Manager provides periodic weekly report brief status with City Council members that highlight the ongoing training of staff regarding the next steps in the Green Infrastructure process.

Please refer to the CCCWP's FY 15-16 Annual Report for a summary of outreach efforts implemented at the countywide level.

See Attachment C3

**C.3.j.ii.(2) ▶ Early Implementation of Green Infrastructure Projects**

On an annual basis, submit a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures. Include the following information:

- A summary of planning or implementation status for each public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. (see C.3.j.ii.(2) Table B - Planned Green Infrastructure Projects).
- A summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement (see C.3.j.ii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

**Background Information:**

The City of Clayton is utilizing the **BASMAA May 6, 2016 document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects"** to review its CIP program for Green Infrastructure opportunities

**Summary of Planning or Implementation Status of Identified Projects:**

See attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B for the required information.

The City of Clayton has utilized its own Table which is included as an Attachment C3

**C.3.j.iii.(2) ▶ Participate in Processes to Promote Green Infrastructure**

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.

Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of efforts conducted to help regional, state, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.

**C.3.j.iv.(2) ▶ Tracking and Reporting Progress**

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.

Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of methods being developed to track and report implementation of green infrastructure measures.

**C.3.b.iv.(2) Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period**

Project Name Project No.	Project Location <sup>10</sup> , Street Address	Name of Developer	Project Phase No. <sup>11</sup>	Project Type & Description <sup>12</sup>	Project Watershed <sup>13</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ff <sup>2</sup> ) <sup>14</sup>	Total Replaced Impervious Surface Area (ff <sup>2</sup> ) <sup>15</sup>	Total Pre- Project Impervious Surface Area <sup>16</sup> (ff <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>17</sup> (ff <sup>2</sup> )
<b>Private Projects</b>											
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Public Projects</b>											
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:											

<sup>10</sup>Include cross streets  
<sup>11</sup>If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".  
<sup>12</sup>Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.  
<sup>13</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.  
<sup>14</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.  
<sup>15</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.  
<sup>16</sup>For redevelopment projects, state the pre-project impervious surface area.  
<sup>17</sup>For redevelopment projects, state the post-project impervious surface area.





C.3 – New Development and Redevelopment

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) –  
 Projects Approved During the Fiscal Year Reporting Period  
 (public projects)**

Project Name	Approval Date <sup>30</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>31</sup>	Site Design Measures <sup>32</sup>	Treatment Systems Approved <sup>33</sup>	Operation & Maintenance Responsibility Mechanism <sup>34</sup>	Hydraulic Sizing Criteria <sup>35</sup>	Alternative Compliance Measures <sup>36/37</sup>	Alternative Certification <sup>38</sup>	HM Controls <sup>39/40</sup>
<b>Public Projects</b>										
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:										

<sup>30</sup>For public projects, enter the plans and specifications approval date.  
<sup>31</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.  
<sup>32</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.  
<sup>33</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).  
<sup>34</sup>List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.  
<sup>35</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).  
<sup>36</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.  
<sup>37</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.  
<sup>38</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.  
<sup>39</sup>If HM control is not required, state why not.  
<sup>40</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s), bioretention unit(s), regional detention basin, or in-stream control).



**C.3.h.v.(2). ► Table of Newly Installed<sup>41</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)**

Fill in table below or attach your own table including the same information.

Name of Facility	Address of Facility	Party Responsible <sup>42</sup> For Maintenance	Type of Treatment/HM Control(s)
None	City of Clayton	N/A	N/A

<sup>41</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>42</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

**C.3.e.v.Special Projects Reporting Table**

Reporting Period – July 1 2015 - June 30, 2016

Project Name & No.	Permittee	Address	Application Submittal Date <sup>43</sup>	Status <sup>44</sup>	Description <sup>45</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>46</sup>	LID Treatment Reduction Credit Available <sup>47</sup>	List of LID Stormwater Treatment Systems <sup>48</sup>	List of Non-LID Stormwater Treatment Systems <sup>49</sup>
None	City of Clayton	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>43</sup>Date that a planning application for the Special Project was submitted.

<sup>44</sup>Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>45</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>46</sup>For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>47</sup>For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>48</sup>List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

<sup>49</sup>List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Special Projects Narrative

N/A

Special Projects Narrative

N/A

**C.3.j.ii.(2) ▶ Table A - Public Projects Reviewed for Green Infrastructure**

Project Name and Location <sup>44</sup>	Project Description	Status <sup>45</sup>	GI Included? <sup>46</sup>	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement <sup>47</sup>
See Attachment C3j				

**C.3.j.ii.(2) ▶ Table B - Planned Green Infrastructure Projects**

Project Name and Location <sup>48</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
See Attachment C3j			

<sup>44</sup> List each public project that is going through your agency's process for identifying projects with green infrastructure potential.

<sup>45</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>46</sup> Enter "Yes" if project will include GI measures, "No" if GI measures are impracticable to implement, or "TBD" if this has not yet been determined.

<sup>47</sup> Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

<sup>48</sup> List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

Section 4 – Provision C.4 Industrial and Commercial Site Controls

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

The City of Clayton does not have any industrial sites. The City of Clayton has very few commercial sites, they are limited to one 8 acre master planned neighborhood shopping center, and a two block area of smaller commercial business consisting of mostly offices, two small convenience stores, and a few restaurants. The City does not have any auto service facilities. The City of Clayton contracts with the Central Contra Costa Sanitary District – Central Sans- (POTW) for its commercial inspections. We have developed an inspection plan and review and update annually as needed with Central Sans staff supervising inspector, including reviewing of previous years inspection results. City staff met with its inspector supervisor and ensured the business listing data base was current and updated the planned inspection list for the Fiscal year, facilities lists, and inspection frequencies and priorities; 2) the contracted POTW inspectors conducting inspections and provides regular updates to city staff ; with a minimum of quarterly written status reports; 3) the POTW inspectors received appropriate training. The City regularly monitors the meetings CCCWP's Commercial/Industrial Workgroup, Municipal Operations Committee and the in the BASMAA Municipal Operations Committee.

See Attachment C-4 for business listings and inspection history

Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWP's FY 15-16 Annual Report for a description of activities of the countywide program.

**C.4.b.iii ► Potential Facilities List**

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

See Attachment C4b

**C.4.d.iii.(1)(a) ► Facility Inspections**

Fill out the following table or attach a summary of the following information. Indicate your violation reporting methodology below.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.									
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Number</th> <th style="width: 10%; text-align: center;">Percent</th> </tr> </thead> <tbody> <tr> <td>Number of businesses inspected</td> <td style="text-align: center;">9</td> <td></td> </tr> <tr> <td>Total number of inspections conducted</td> <td style="text-align: center;">12</td> <td></td> </tr> </tbody> </table>			Number	Percent	Number of businesses inspected	9		Total number of inspections conducted	12	
	Number	Percent								
Number of businesses inspected	9									
Total number of inspections conducted	12									

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**C.4 – Industrial and Commercial Site Controls**

Number of violations (excluding verbal warnings)	2
Sites inspected in violation	22%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	100%
<p>Comments:</p> <p><b>Central Sans, our POTW inspector, reports that for initial inspections they provide an average of 4 informational materials per business; for re-inspections they provide an average of 2 informational materials to the business.</b></p> <p><b>For FY 15-16 one food service business was issued a Warning Notices (WN) and one food service business was issued a Notice of Violations (NOV). Both violations were resolved within 10 days.</b></p> <p><b>Sites inspected in violation are reported once per unique site. The number of violations is reported as one violation per site per inspection date. In the event of a new or recurring violation upon subsequent inspection at a specific site, it is reported as a separate violation.</b></p> <p><b>See Attachments C 4d for details of the inspections</b></p>	

**C.4.d.iii.(1)(b) ► Frequency and Types/Categories of Violations Observed**

Fill out the following table or attach a summary of the following information.

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	2
<p>Comments:</p> <p><b>The City of Clayton contracts with our POTW- Central Contra Costa Sanitation District for inspection services. Refer to the "Enforcement Actions" listed under C.4.c.iii.2 Typically a "Level 1" enforcement actions (Warning Notice) is not considered "violations", however it is followed up with either specific follow up inspection, or at a subsequent regular inspection to ensure corrective action is taken. One food service business was issued a Warning Notices (WN) and one food service business was issued a Notice of Violations (NOV). Both violations were resolved within 10 days.</b></p> <p><b>Discharges to streams are counted one discharge per inspection per site.</b></p> <p><b>See Attachments C 4d for details of the inspections</b></p>	

**C.4.d.iii.(1)(b) ► Frequency and Type of Enforcement Conducted**

Fill out the following table or attach a summary of the following information.

	Enforcement Action (as listed in ERP) <sup>49</sup>	Number of Enforcement Actions Taken	% of Enforcement Actions Taken <sup>50</sup>
Level 1	Warning Notice	1	50%
Level 2	Notice of Violation	1	50%
Level 3	Formal Enforcement Action (Administrative Penalties, Cost Recovery)	0	0%
Level 4	Legal Action/Referral to State and Federal Agencies	0	0%
<b>Total</b>		<b>2</b>	<b>100%</b>

<sup>49</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>50</sup>Percentage calculated as number of enforcement action divided by the total number of enforcement actions.



**C.4.d.iii.(1)(c) ▶ Types of Violations Noted by Business Category**

Fill out the following table or attach a summary of the following information.

Business Category <sup>51</sup>	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Food Service (Country Waffles Restaurant and Oakhurst Golf Course Restaurant)		2
Fleet Service parking		0
Retail		0
See Attachment C4d for details		

**C.4.d.iii.(1)(d) ▶ Non-Filers**

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

There are no industrial facilities in the City of Clayton, therefore there were no industries identified as non-filers during scheduled inspections during this fiscal year. Central Sans conducts inspections for Clayton under an interagency service agreement. Central Sans reviews the operations of the businesses inspected to determine if they may be subject to the General Industrial Permit standards and if so, determines if the business filed a Notice of Intent (NOI) with the SWRCB. If a non-filer is identified, Central Sans informs the business of the requirement to file a NOI. If the business does not file a NOI, Central Sans notifies City of Clayton of this status so that appropriate referral to the RWQCB is made. Central Sans did not notify the City of Clayton of any non-filers during the reporting period.

<sup>51</sup>List your Program's standard business categories.

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C.4 – Industrial and Commercial Site Controls

C.4.e.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Industrial/Commercial Site Inspectors in Attendance	Percent of Industrial/Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
CWEA Stormwater Training Webinar	August 26, 2015	<ul style="list-style-type: none"> <li>Stormwater Inspections at commercial/industrial facilities</li> <li>Stormwater BMPs</li> </ul>	4	44%	N/A	N/A
CCCSO Sponsored Anatomy of an Investigation	Oct. 6, 2015	<ul style="list-style-type: none"> <li>Inspector training</li> <li>Gaining access</li> <li>Obtaining evidence</li> <li>Building a case</li> </ul>	9	100%	N/A	N/A
BACWA Sponsored Sampling/Ethics Training	Oct. 13, 2015	<ul style="list-style-type: none"> <li>Documentation requirements for environmental sampling</li> <li>Importance of ethical conduct when performing environmental sampling</li> </ul>	9	100%	N/A	N/A
California Hazardous Materials Investigators Association – Advanced Criminal Investigations	Oct. 20-30, 2015	<ul style="list-style-type: none"> <li>Investigation elements</li> <li>Collecting defensible evidence</li> <li>Witness training</li> </ul>	1	11%	N/A	N/A
CWEA –Annual Conference	April 26, 2016	<ul style="list-style-type: none"> <li>Stormwater education and outreach</li> <li>Trash management</li> </ul>	1	11%	N/A	N/A
Commercial/Industrial Stormwater Inspection Training Workshop (Contra Costa County)	May 5, 2016	<ul style="list-style-type: none"> <li>Stormwater inspection under MRP 2.0</li> <li>Inspecting Public Works Corporation yards</li> <li>Inspecting Mobile Businesses</li> <li>Talking Trash</li> </ul> <p>Outline available through CCCWP</p>	9	100%	N/A	N/A
Comments: None.						

Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

**Program Highlights and Evaluation**

**Highlight/summarize activities for reporting year.**

Provide background information, highlights, trends, etc.

**Summary:**

The City of Clayton monitored and received updates from the countywide program's Municipal Operations Committee/Work Group; and the BASMAA Municipal Operations Committee. Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 15-16 Annual Report for a description of activities conducted at the countywide or regional level.

During the year the City reviewed and updated its emergency and environmental contact list. There are no known or observed illicit discharges or illicit connections in the City of Clayton. City Maintenance staff annually checks and cleans as needed all DI's throughout the City, and at that time observes to see if any signs of illicit discharges or connections. During the FY 15-16 period Maintenance staff did not observe any illicit discharges or connections. The POTW's also observe for such illicit discharges or connections during their annual business inspections, no illicit discharges or connections were observed by Central Sans staff during the FY 15-16 reporting period. The City contracts with the City of Concord for maintenance of its Sanitary Sewer system. Construction permits go through a review by the City of Concord prior to issuance to ensure that any sewer connections are done to appropriate sewer lines and to current codes and are inspected properly.

Because the City does not receive or observe or have issues related to illicit discharges or connections there are not any trends in the detection and abatement of illicit discharges to report. If there is an item identified it is a rare and infrequent occurrence.

If the City was to receive a complaint/observation of illicit discharge or connection: Our process is that calls are received by city front line staff, police admin staff, or may be field observed by police patrol or maintenance staff in the field, and are directed to either the Asst. to the City Manager or the City Engineering Inspector for initial review, field verification and action; or referred to City Maintenance staff to verify and if needed to take appropriate action to ensure any discharge in public ways does not enter into storm drain. The Asst. to the City Manager is responsible to coordinate with POTW, city part time code enforcement staff person/city engineer/city attorney for any other appropriate follow action. Such actions include contacting the business owner/operator and contact the property owner to determine how the discharge came about; provide them with appropriate educational information; and depending on circumstances may issue any appropriate written warning notice/ citation and/or conduct an investigation and file report with the District Attorney and the Regional Water Control Board for any other follow up action. If it is from an illicit connection we would require them to remove the connection.

The City of Clayton Emergency & Environmental Management Phone Number Response List and Spill Response Procedures are reviewed annually; no changes were needed in FY 15-16.

See Attachment C.5

**C.5.c.iii ► Complaint and Spill Response Phone Number**

List below or attach your complaint and spill response phone number

**1-800-NO DUMPING (1-800-663-8674) or can call Clayton City main office number at 925-673-7300 or police non-emergency number at 673-7350; after hours the non-emergency police number is responded to by Concord Police dispatch.**

Provide your complaint and spill response web address, if used

<http://ci.clayton.ca.us/departments/maintenance/report-a-problem/>  
 or  
<http://ci.clayton.ca.us/contact-us/>

In addition there is a location on the website for stormwater related issues and links related thereto including spills.

<http://ci.clayton.ca.us/departments/public-works-engineering/storm-water/>  
 this site also links to the following

**TO REPORT ILLEGAL DUMPING OR A SPILL:**

**Call 1-800-NO DUMPING (1-800-663-8674). If you are aware of an emergency and need an immediate response, call 911.**

Is a screen shot of your website showing the central contact point attached? **See Attachment C5c**

Yes  No

If No, explain:

Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web address) is being publicized to your staff and the public.

**The City of Clayton web site contact forms these methods are directly sent to the City Clerk who then routes to the appropriate staff person: Maintenance, City Engineer, and/or Stormwater Program Manager. If the form is done through the Clean Water Program it is forwarded to the local city contact – for Clayton it is the Stormwater Manager (Asst. to the City Manager). The City staff is very small and periodically the contact sheet is distributed so that staff is aware to either call police/maintenance or the stormwater manager. Most city staff the stormwater manager personal cell number to reach as well. During FY 15-16 the City had several vacancies in police and maintenance and after new staffs are hired the call out contact information will be recirculated.**

**C.5.d.iii.(1), (2), (3) ▶ Spill and Discharge Complaint Tracking**

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number	Percentage
Discharges reported (C.5.d.iii.(1))	0	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	0	N/A
Discharges resolved in a timely manner (C.5.d.iii.(3))	N/A	N/A

Comments: The following overview describes the implementation of your agency's illicit discharge complaint and response program and explains how data account for discharge reports that are unsubstantiated in the field and discharges that are prevented from reaching storm drains/receiving waters.

The City of Clayton illicit discharge complaint and response program is implemented as follows: public calls and staff encounters or emails are depending on the nature of the call, referred to the Maintenance Division or CCCSD for follow-up. If determined to be unsubstantiated in the field the stormwater program manager is advised as such. If substantiated they the complaint and follow up are tracked, if unsubstantiated they are discarded. In field either the action is by maintenance to address or if necessary stormwater manager and code enforcement and police and city engineer may be involved depending on the nature and source (ie: if construction related then city engineer would address via the required BMPs along with code enforcement only if there was not cooperation to resolve). The Stormwater manager also receives information to track and follow up.

During this year there were not any calls received or emails received that were substantiated.

**C.5.f.iii ▶ MS4 Map Availability**

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.

The MS4 maps are available for the public to view upon request at our contract City Engineers office; the City is also in the process of making them available on the Contra Costa Clean Water GIS data base that is being created. The City is planning to undertake an update of its Website during FY 16-17 and will be determining if the MS4 maps can be placed on the City Stormwater - NPDES webpage. The City of Clayton will also be revising its website and the Stormwater Materials may be able to be added and better located for ease of public access in the revised website. Once these changes are made the City will be able to include publicizing at our permit counter through the various outreach through the Contra Costa Clean Water Program. The city with its small staffing does not have IT or social media staffing. The City does not have its own FB or Twitter accounts nor does it have staff to manage a city social media program and accounts. The City Clerk is currently tasked with managing and updating the city website in addition to numerous other duties.

Section 6 -- Provision C.6 Construction Site Controls

**C.6.e.iii.(1) Hillside Development Criteria**

What criteria is your agency using to determine hillside development areas?		Local criteria such as maps of hillside development areas or other written criteria	The permit definition of projects on sites with $\geq 1.5\%$ slope
Attach a copy of hillside development area maps or provide your written criteria below, if applicable.			
Description:			

**C.6.e.iii.2.a, b, c Site/Inspection Totals**

Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)  #	Number of sites disturbing $\geq 1$ acre of soil (C.6.e.iii.1.b)  #	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)  #
Guidance: This is the total number of SITES considered high priority, which triggers a requirement for monthly inspection during the rainy season. Please see MRP for discussion of what sites are considered high priority sites. Sites disturbing less than one acre of soil that are not considered high priority by the Permittee should not be reported here.	Guidance: This is the total number of SITES that disturb one or more acres of soil and are inspected monthly during the rainy season.	Guidance: This is the total number of INSPECTIONS conducted at high priority sites and at sites disturbing one or more acres of soil. Do not list inspections that are conducted at sites that are not within these two categories.
Comments: Guidance: Do not leave any cells blank. 1) Provide explanatory details about the data reported above if necessary. 2) Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites (optional).		

<b>C.6.e.iii.2.d ▶ Construction Activities Storm Water Violations</b>		
<b>Guidance: Do not leave any cells blank.</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>52</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>53</sup></b>
Erosion Control		
Run-on and Run-off Control		
Sediment Control		
Active Treatment Systems		
Good Site Management		
Non Stormwater Management		
<b>Total<sup>54</sup></b>		<b>100%</b>

<sup>52</sup>Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

<sup>53</sup>Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

<sup>54</sup>The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.



**C.6.e.iii.2.e ▶ Construction Related Storm Water Enforcement Actions**

**Guidance: Do not leave any cells blank.**

	Enforcement Action (as listed in ERP) <sup>55</sup>	Number Enforcement Actions Issued	% Enforcement Actions Issued <sup>56</sup>
Level 1 <sup>57</sup>			
Level 2			
Level 3			
Level 4			
<b>Total</b>			<b>100%</b>

**C.6.e.iii.2.f, g ▶ Illicit Discharges**

**Guidance: Do not leave any cells blank.**

	Number
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	<b>0</b>
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	<b>0</b>

<sup>55</sup> Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>56</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>57</sup> For example, Enforcement Level 1 may be Verbal Warning.

**C.6.e.iii.2.h, i ▶ Violation Correction Times**

	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period [C.6.e.iii.1.h]		% <sup>58</sup>
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered [C.6.e.iii.1.i]		% <sup>59</sup>
Total number of violations (excluding verbal warnings) for the reporting year <sup>60</sup>		100%

**Comments:**

**Guidance: Do not leave any cells blank. Provide an explanation for each violation not resolved within 10 days or otherwise deemed resolved in a longer but still timely manner. Permittees who list violations not fully corrected within 30 days after violations are discovered should provide an explanation of how their program is complying with the MRP. If your agency's ERP Level 1 includes verbal warnings with written documentation to address situations that are not violations, exclude those from the tally of violations and explain the basis of the exclusion in this comment box.**

**C.6.e.iii.(4) ▶ Evaluation of Inspection Data**

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

**Description:**

**C.6.e.iii.(4) ▶ Evaluation of Inspection Program Effectiveness**

Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.

**Description:**

**Guidance: Evaluate your construction inspection program and summarize efforts conducted by your municipality in FY 15-16 to implement MRP requirements, such as: 1) revised stormwater construction inspection forms and inspection data tracking tools; 2) revised operating procedures and provided training to inspectors; 3) conducted inspections with the new forms; 4) participated in the CCCWP's Development Committee (if applicable); and, 5) participated in the BASMAA Development Committee (if applicable). Refer to the C.6 Construction Site Control section of the CCCWP's FY 15-16 Annual Report for a description of activities conducted at the countywide and regional level.**

<sup>58</sup> Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

<sup>59</sup> Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

<sup>60</sup> The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions, i.e., this assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

**C.6.f ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
CCCWP Construction Inspection Training Workshop	June 14, 2016	<ol style="list-style-type: none"> <li>1. C.6 Requirements Overview – Highlights on the MRP 2.0 Requirements</li> <li>2. Municipal Perspective - Hillside Project Policy</li> <li>3. C.6 BMPs Tool Box &amp; BMP Resources</li> <li>4. MRP 2.0 and General Construction Permit Overlap and Differences</li> <li>5. Inspections, Documentation, and Reporting</li> </ol>	1

**Section 7 – Provision C.7. Public Information and Outreach**

**C.7.b.i.1 ► Outreach Campaign**

Summarize outreach campaign. Include details such as messages, creative developed, and outreach media used. The detailed outreach campaign report may be included as an attachment. If outreach campaign is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Summary:

**The City of Clayton monitored and received updates during FY 2015-16 from the countywide program's CCCWP's Public Information and Participation Committee and BASMAA's Public Information and Participation Committee Guidance.**

**Refer to Section 7 in the CCCWP's FY 1516 Annual Report for summary of activities related to planning and development of an Outreach Campaign.**

**C.7.c. Stormwater Pollution Prevention Education**

**The City of Clayton has a web page <http://ci.clayton.ca.us/departments/public-works-engineering/storm-water/> that provides links to city ordinance and links to the CCCWP website for this information (i.e., [www.cccleanwater.org](http://www.cccleanwater.org)).**

Local stormwater phone number(s)

**Clean Water Program at 925 313-2392 or City Hall Main line 925-673-7300  
 or 925-673-7308 direct to Clayton Storm Water Program Manager/Asst. to the City  
 Manager or Clayton City Engineer at 925-363-7433**

Local/Regional stormwater website(s)

[www.cccleanwater.org](http://www.cccleanwater.org)  
 or  
<http://ci.clayton.ca.us/departments/public-works-engineering/storm-water/>

Outreach:

**The City web site has a link to the Clean Water Program through its website at <http://ci.clayton.ca.us/departments/public-works-engineering/storm-water/>. On this page the city has link to its stormwater ordinance and various links to the Clean Water Program main web site and to the Clean Water program pages on point of contacts, storm water issues, watershed characteristics and stormwater pollution prevention alternatives. The City will be in FY 16-17 updating and revising its website and will provide a better ability to refer to Stormwater and Spill prevention and reporting information. In addition the City's local trash/recycling hauler continues to maintain a website with information related to**

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**C.7 – Public Information and Outreach**

the proper way to discard trash/recycling. E-waste, batteries and CFLs. The City's web site has a link to their website and the haulers website is on outreach materials mailed periodically to Clayton residents and businesses.

Within the City of Clayton there are two local newspapers "Clayton Pioneer" and the "Concord Transcript", throughout the year there are various articles related to a variety of green topics, including recycling and trash reduction. In addition our local trash/recycling hauler maintains a website with information related to the proper way to discard trash/recycling, the City's web site has a link to their website and the website is also included on outreach materials. Our hauler also provides an annual customer guide that is mailed to all residents and businesses within the City, and provides bi-monthly billing messages that often have information related to trash reduction and recycling. The City also distributes at its library and City hall fliers on sharps/drugs and bulky object pick up/recycling that the hauler provides for in most cases at no cost, including e-waste. During 15-16 the hauler also mailed out a flier with information and provided direct mail letter to all commercial business. All commercial businesses were re-inspected and found to still be subscribing and have trash and recycling services. The City's local paper "Clayton Pioneer" also coordinated and advertised a "Clayton Cleans Up" day for residents to participate in. This year apx. 170 people attended. At this event there were various materials related to the proper disposal of trash and recycling provided.

Clayton Customer Guide 2016 (mailed Jan – Feb 2016) sent to over 4,700 residents and 100 businesses (all Clayton households and businesses)  
Treecycling 2015 (mailed November 2015) sent to over 4,700 residents and 100 businesses (all Clayton households and businesses) – Also posted at three public posting informational kiosks in the City.

Sharps – Pharmaceutical disposal included in the customer guide is sent to over 4,700 residents (all Clayton households); and 60 fliers provided at Library and City Hall; 60 fliers provided at Clayton Cleans Up. Also posted at three public posting informational kiosks in the City- The city has collection bins at its police department for these. In FY 15-16 there was 507 lbs. of sharps dropped off (an increase of 10% over FY 14-15); and there was 677 lbs. of pharmaceuticals dropped off (an increase of apx. 53% over FY 14-15, and more than past years).

Free Bulky items/e-waste pick up – 60 fliers provided pick up at Library and City Hall; 60 fliers provided for Clayton Cleans Up April 2016. Also posted at three public posting informational kiosks in the City. In FY 15-16 there were apx. 149 appliances and 101 mattresses; and 128 e-waste items collected curbside for free from our hauler Allied/Republic. This is slightly more than last year. In addition there are many appliance companies that back haul old appliances and there were several e-waste drop off events at the local nearby schools.

Refer to the CCCWP's FY 15-16 Annual Report, Section C.7 "Public Information and Outreach" for details on how the CCCWP maintains and publicizes the stormwater point of contact and provides stormwater pollution prevention education.

See Attachment C7.

**C.7.c) ► Public Outreach and Citizen Involvement Events**

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroescape presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> <li>• Success at reaching a broad spectrum of the community</li> <li>• Number of participants compared to previous years.</li> <li>• Post-event effectiveness assessment/evaluation results</li> <li>• Quantity/volume of materials cleaned up, and comparisons to previous efforts</li> </ul>
The City of Clayton is required to participate in a minimum of 4 Public Outreach and Citizen Involvement event. This year the City participated in 9 events, 5 through the Program: Watershed Stewardship Grant Program; Bringin Back the Natives Gardens Tour; Our Water our World; Program website CCCleanwater.org Community Calendar and website Mygreengarden.org. The 4 City activities: City maintains its own City Event Calendar on its own website (cityofclayton.org), and the City helped facilitate the local annual Clayton Cleans Up. See Attachment C7		
2016 Community Watershed Stewardship Grant Program	See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.
May 2016 Bringing Back the Natives Gardens	See the FY 2015-16 Group Program Annual	See the FY 2015-16 Group Program Annual

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<p>Tours</p> <p>Our Water Our World (Tabling/Outreach Events at Stores)</p> <p>Program website <a href="http://CCleanwater.org">CCleanwater.org</a> Community Calendar</p> <p>website <a href="http://Mygreengarden.org">Mygreengarden.org</a></p>	<p>Report, Section C.7, for further details regarding the description of this event.</p> <p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p> <p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p> <p>See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p>	<p>Report, Section C.7, for further details regarding the effectiveness of this event.</p> <p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p> <p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p> <p>See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p>
<p>- Local (Oktoberfest 3 &amp; 4, 2015) Booth with pollution prevention information; less toxics and Mr. Funnelhead (Downtown Clayton)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscap landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc. Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>
<p>Clayton Cleans Up , Local (April 23, 2016- City Hall Courtyard)</p>	<p>This is a three hour Saturday morning Community Clean Up event along city trails, creeksides, and sidewalk/landscape areas. There were tables with information and education was provided where residents</p>	<p>Estimated attendance was 170 it included parents and children. Due to budget cuts city staff can no longer attend this event, and is done solely by volunteers there is not any information on the amount of materials</p>



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<p>Art and Wine, Local Booth with pollution prevention information; less toxics and Mr. Funnelhead          (April 30 &amp; May 1, 2016- Downtown Clayton)</p>	<p>were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p> <p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscap landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc. Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>distributed. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities. It is estimated that 30 cubic yards of trash (mostly on land) was collected at this one day activity.</p> <p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>
<p>City event calendar <a href="http://www.cityofclayton.org">www.cityofclayton.org</a></p>	<p>City maintains its own City event calendar which included the listing of various community events such as the Clayton Cleans Up, Creekside Arts Festival; Oktoberfest and Art and Wine. The City website also has links to our haulers web site and the Clean Water Program web site.</p>	<p>We do not have the capability to track and find out the number of visits to the various web sites.</p>

**C.7.e. ► Watershed Stewardship Collaborative Efforts**

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

**Refer to the CCCWP's FY 15-16 Annual Report, Section 7 Public Information and Outreach for a full description of the efforts and an evaluation of their effectiveness.**

**The City is required to participate in or contribute to a minimum of 1 effort. During FY 15-16 the City participated/supported in apx. 6 efforts.**

**The City of Clayton actively participates and supports the Program and its efforts on: 1) participation in the Contra Costa Watershed Stewardship Grant Program; 2) Bringing Back the Natives Garden Tours; 3) the Contra Costa Watershed Forum; 4) the Green Business Program; Website: 5) CcleanWater.org Community Calendar ; 6) Sustainable Contra Costa.**

**See Attachment C 7**

**C.7.f. ► School-Age Children Outreach**

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
<b>The City of Clayton is to participate or support a minimum of 1 effort.</b>			

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<p>In FY 15-16 the City supported 6 such efforts: 3 via the CCCWP: 2016 Community Watershed Stewardship Grant Program; Be Classy not Trashy Youth Anti-littering outreach campaign; and Mr. Funnelhead school, city/county events and tv ads.</p> <p>In addition the City facilitated 3 other efforts: Mr. Funnelhead appearance at Oktoberfest, Clayton Cleans Up; Art and Wine Festival.</p> <p>See Attachment C7</p>			
<p>2016 Community Watershed Stewardship Grant Program</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the number of students reached from this on of this program.</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this outreach program.</p>
<p>Be Classy not Trashy Outreach, Countywide</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the number of students reached from this on of this program.</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this outreach program.</p>
<p>Mr. Funnelhead, Countywide</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the</p>	<p>See the FY 2015-16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this outreach program.</p>

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	number of students/teachers reached from this on of this program.	
<p>Mr. Funnelhead – Local (Oktoberfest 3 &amp; 4, 2015 Downtown Clayton)</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscap landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices</p>
<p>Clayton Cleans Up/Mr. Funnelhead, Local (April 23, 2016- City Hall Courtyard)</p>	<p>Estimated attendance was 170 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event; it is done solely by volunteers</p>	<p>This is a three hour Saturday morning Community Clean Up event along city trails, creeksides, and sidewalk/landscape areas. There were tables with information and education was provided where residents were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and</p>

<p>Art and Wine/Mr. Funnelhead,                  Local                  (April 30 &amp; May 1, 2016-                  Downtown Clayton)</p>	<p>less toxic gardening practices.</p>	<p>there is not any data on the amount of children vs. adults. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities.</p>	
<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscap landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc. Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>		

Section 9 – Provision C.9 Pesticides Toxicity Controls

**C.9.a. Implement IPM Policy or Ordinance**

Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?

Yes       No

If no, explain:

Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.

**Trends in Quantities and Types of Pesticides Used<sup>61</sup>**

Pesticide Category and Specific Pesticide Used	Amount <sup>62</sup>					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
<b>Organophosphates</b>	0					
Product or Pesticide Type A						
Product or Pesticide Type B						
<b>Pyrethroids</b>	0					
Product or Pesticide Type X						
Product or Pesticide Type Y						
<b>Carbamates</b>	0					
Product or Pesticide Type X						
Product or Pesticide Type Y						
<b>Fipronil</b>	0					
Product or Pesticide Type X						
Product or Pesticide Type Y						

<sup>61</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>62</sup>Weight or volume of the product or preferably its active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, estenvalerate, lambda-cyhalothrin, and permethrin.



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Indoxacarb	Reporting not required in FY 15-16					
Diuron	Reporting not required in FY 15-16					
Diamides	Reporting not required in FY 15-16					
<p><b>IPM Tactics and Strategies used:</b>          The City historically has always used a very minimal amount of pesticides and herbicides. Roadside natural grasses/weeds are weed whacked prior to the fire season as well as weed whacking in open space near homes. None of these fire prevention measures use herbicides. The City does not use any pesticides or herbicides in a manner that threatens water quality, or in any quantities that would be sufficient to have trend analysis. Pesticide use is mostly limited to building interiors for ants and is mostly done with ant bait stations. Overall the amount used has been constant. Any increase in use is due to increase in the ants based upon weather and climate conditions and seasonal fluctuations. The City limits its use to herbicides to round up and pre-emergent for spot spraying in landscape areas during the dry weather with Ranger Pro (Glyphosate N (phosphonmethyl) glycine in form of isopropylamin salt for FY 15-16 the total amount applied citywide was 528.36 gal. in addition 292 oz. of Evade 4FL (Prodlamine CAs No. 29091-21-2) was used city wide; and 8.25 lbs. of Gallery 75 Dry Flowable isixaben: N-[3(1-ethyl-1-methylpropyl)-5-sioxazolyl]-2-6dimethoxybenzamide and isomers) was used citywide. The City maintenance staff applies slow release fertilizer on turf areas only in park areas, total amount used in park lawn areas for FY 15-16 was 200 lbs. These applications are also done when it is not raining or threat of rain. The City ensures through its maintenance operations that it's limited outside contractors for building pest management also use IPM practices. The City's weed abatement contractors and this year the pedestrian bridge over creek replacement project contractor were provided Clean Water Program protocol for New Zealand Mud Snail. All maintenance staff including seasonal temporary staff were provided or provided a refresher of this information prior to annual creek checking. Buildings are mostly managed mostly with minimal building exterior foundation spray if needed and bait type materials for ants by its outside contractor Western Exterminator that is Eco Wise IPM certified. Western Exterminators use of organophosphates, pyrethroids, carbaryl and fipronil are not used or applied in a manner that threatens water quality (i.e., are used outdoors and may come in contact with stormwater.) Any work is done inside of building areas or if outdoors only during non-rain periods. Outdoor work is limited to around building foundations which have landscaping adjacent to the buildings so there is not any potential runoff. Only three small restroom buildings (each about 300 sq. ft. in size) and treatments are applied only during non-rain periods so that there is not any potential runoff thus no threat to coming into contact with stormwater.</p> <p>Open space weeds in about 125 acres are also managed for non-native invasive (star thistle and artichoke heart) by outside contractor that during FY 11-12 attend and was certified as Bay Friendly IPM and renewed in 2014 and is valid through 2016. The area targeted for this weed management is a limited area and applications are conducted during non-rain periods. This contractor is also provided with the City IPM Policy.</p> <p>The City Maintenance Supervisor during FY 11-12 attended and was certified as Bay Friendly IPM, this certification expired at end of 2014. No renewal program was available that he could attend prior to the expiration and no program available between January and June of 2015. The Maintenance Supervisor will obtain re-certification as soon as a course is available that he can attend. This supervisor did attend the June 2015 Clean Water Program Workshop on IPM Guidance Manual Training. All full time maintenance staff received PAPA training which includes IPM.</p>						



City Maintenance Staff only uses spot spraying of round-up and pre-emergent in landscape areas during the spring and fall during non-rain periods. During FY 15-16 due to continuing limited funds and limited staff resources, and the lingering drought the maintenance staff applied limited pre-emergent, only spot and spraying of roundup during the non-rainy times. No fertilizer or pesticide spraying occurs in the planted landscape areas. The only fertilizer application is limited to active play lawn (ie: park sports field areas) and three small grass landscape features. However due to the extreme drought and water reduction that continued into part of FY 15-16 the small grass landscape feature lawns were fallowed, and no fertilizer applied in FY 15-16. The City maintenance employees do not use or apply pesticides outside.

See Attachment C9

**C.9.b ▶ Train Municipal Employees**

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.

4

Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.

4

Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.

100%

Type of Training:

The City Maintenance Supervisor during FY 11-12 attended and was certified as Bay Friendly IPM, this certification expired at end of 2014. No renewal program was available that he could attend prior to the expiration and no program available between January and June of 2015. The Maintenance Supervisor will obtain re-certification as soon as a course is available that he can attend. This supervisor did attend the June 2015 Clean Water Program Workshop on IPM Guidance Manual Training. All full time maintenance staff received PAPA training which includes IPM. In addition all Maintenance staff have periodic tailgate training that is done by the Maintenance Supervisor.

Two full time maintenance staff had QAC (Qualified Applicator Certificate) with IPM training at PAPA seminars on 7/28/15 and 4/5/16.

Two full time maintenance employees received their QAC in FY 15-16. A total of 10 seasonal workers were trained in pesticide application on one of the following dates 5/6/15, 6/7/15, and 6/13/16.

Refer to the CCCWP's FY 2015-16 Annual Report, Section C.9 for details of the April 6, 2016 Bay Friendly Training Workshop for Municipalities.

**C.9.c ▶ Require Contractors to Implement IPM**

Did your municipality contract with any pesticide service provider in the reporting year?

X

Yes

No

If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored

The City historically has always used a very minimal amount of pesticides and herbicides. The City does not use any pesticides or herbicides in a manner that threatens water quality, or in any quantities that would be sufficient to have trend analysis. Pesticide use is mostly limited to building interiors for ants and is mostly done with ant bait stations. Overall the amount used has been constant. Any increase in use is due to increase in the ants based upon weather and climate conditions and seasonal fluctuations.

The City limits its use to herbicides to round up and pre-emergent for spot spraying in landscape areas during the dry weather with Ranger Pro (Glyphosate N (phosphonmethyl) glycine in form of isopropylamine salt for FY 15-16 the total amount applied citywide was 528.36 gal. In addition 292 oz. of Evade 4FL (Proflamime CAS No. 29091-21-2) was used city wide; and 8.25 lbs. of Gallery 75 Dry Flowable Isixaben: N-[3(1-ethenyl-1-methylpropyl)-5-sioxazolyl]-2-6dimethoxybenzamide and isomers) was used citywide. The City maintenance staff applies slow release fertilizer on turf areas only in park areas, total amount used in park lawn areas for FY 15-16 was 200 lbs. These applications are also done when it is not raining or threat of rain.

The City ensures through its maintenance operations that it's limited outside contractors use IPM practices. They are provided a copy of the City IPM Policy and New Zealand Mud Snail Protocol. They sign a document after receipt and review by city staff showing that they have received and reviewed the materials. Buildings are mostly managed mostly with minimal building exterior foundation spray if needed and bait type materials for ants by its outside contractor Western Exterminator that is Eco Wise IPM certified. Western Exterminators use of organophosphates, pyrethroids, carbaryl and fipronil are not used or applied in a manner that threatens water quality (i.e., are used outdoors and may come in contact with stormwater.) Any work is done inside of building areas or fit outdoors only during non-rain periods. Outdoor work is limited to around building foundations which have landscaping adjacent to the buildings so there is not any potential runoff. Only three small restroom buildings (each about 300 sq. ft. in size) and any outdoor treatments are applied only during non-rain periods so that there is not any potential runoff thus no threat to coming into contact with stormwater. Western Exterminator reviews annually their proposed use plan and provides materials applied and quantities used to city staff upon each site visit.

Open space weeds in about 125 acres are also managed for non-native invasive (star thistle and artichoke heart) by outside contractor that during FY 11-12 attend and was certified as Bay Friendly IPM and renewed in 2014 and is valid through 2016. The area targeted for this weed management is a limited area and applications are conducted during non-rain periods.

The City Maintenance Supervisor during FY 11-12 attended and was certified as Bay Friendly IPM, this certification expired at end of 2014. No renewal program was available that he could attend prior to the expiration and no program available between January and June of 2015. The Maintenance Supervisor will obtain re-certification as soon as a course is available that he can attend. This supervisor did attend the June 2015 Clean Water Program Workshop on IPM Guidance Manual Training. All full time maintenance staff received PAPA training which includes IPM.

City Maintenance Staff only uses spot spraying of round-up and pre-emergent in landscape areas during the spring and fall during non-rain periods. During FY 15-16 due to continuing limited funds and limited staff resources, and the lingering drought the maintenance staff applied

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limited pre-emergent, only spot and spraying of roundup during the non-rainy times. No fertilizer or pesticide spraying occurs in the planted landscape areas. The only fertilizer application is limited to active play lawn (ie: park sports field areas) and three small grass landscape features. However due to the extreme drought and water reduction that continued into part of FY 15-16 the small grass landscape feature lawns were fallowed, and no fertilizer applied in FY 15-16. The City maintenance employees do not use or apply pesticides outside.

See Attachment C9

**C.9.d ▶ Interface with County Agricultural Commissioners**

Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides.

	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If yes, summarize the communication. If no, explain.

**Refer to the CCCWP's FY 15-16 Annual Report, Section C.9 Pesticide Toxicity Controls for a summary of the CCCWP's communication with Contra Costa County Agricultural Commissioner.**

Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.

	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

**C.9.e.ii (1) ▶ Public Outreach: Point of Purchase**

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 15-16 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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**C.9.e.ii.(2) ▶ Public Outreach: Pest Control Contracting Outreach**

Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals; **AND/OR** reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.

Summary:

**See the C.9 Pesticides Toxicity Control section of the CCCWPs FY 15-16 Annual Report for information on pest control contracting outreach conducted countywide and regionally.**

**C.9.e.ii.(3) ▶ Public Outreach: Pest Control Operators**

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **AND/OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary:

**See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 15-16 Annual Report for a summary of public outreach to pest control operators and landscapers.**

**C.9.f ▶ Track and Participate in Relevant Regulatory Processes**

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

**During FY 15-16, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.**

Section 10 - Provision C.10 Trash Load Reduction

**C.10.a.i ► Trash Load Reduction Summary**

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.b.i-iv and C.10.e.i-ii. Provide a discussion of the trash estimate below, including whether the applicable trash reduction performance guideline or deadline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).

**Trash Load Reductions**

Percent Trash Reduction in All Trash Management Areas (TMAs) due to **Trash Full Capture Systems** (as reported in C.10.b.i)

Percent Trash Reduction in all TMAs due to **Control Measures Other than Trash Full Capture Systems** (as reported in C.10.b.ii)

Percent Trash Reduction due to **Jurisdictional-wide Source Control Actions** (as reported in C.10.b.iv)

**SubTotal for Above Actions**

**Trash Offsets (Optional)**

Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)

Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)

**Total Estimated % Trash Load Reduction in FY 15-16**

**Discussion of Trash Load Reduction Estimate:**

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**C.10 – Trash Load Reduction**

**Guidance:**

- This section is not applicable to Non-population based Permittees. Non-population based Permittees should mark "NA" in all cells.
- Based on information presented in the C.10 tables following this page, report the % of trash reduced to-date from your jurisdictional areas that generate VH, H or M levels of trash, including any reduction offsets for additional creek and shoreline cleanups and direct trash discharges.
- The "Total Estimated % of Trash Load Reduction in FY 15-16" should equal the sum of the rows above that cell (with the exception of the subtotal row).
- For those Permittees that have not achieved the 60% performance goal in FY 15-16, under "Discussion of Trash Load Reduction Estimate" reference and attach a detailed plan and schedule of implementation of additional trash load reduction control actions that will attain 2017 mandatory deadline (i.e., 70%), consistent with MRP 2.0 requirements.

**C.10.a.iii ► Mandatory Trash Full Capture Systems**

Provide the following:

- 1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.
- 2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.

Type of System	# of Systems	Areas Treated (Acres)
<b>Installed Prior to FY 15-16</b>		
<b>Installed in FY 15-16</b>		
<b>Total for all Systems Installed To-date</b>		
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		



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**C.10 – Trash Load Reduction**

**Guidance:**

- Only include full capture systems that are being counted towards full capture system requirements in the permit. As described in the permit, full trash capture systems are defined as "any device or series of devices that traps all particles retained by a 5mm mesh screen and has a design treatment capacity of not less than the peak flow rate resulting from a one-year, one-hour, storm in the tributary drainage catchment area." Trash collection booms and sea curtains do not meet this definition, but are effective for removal of floating trash if properly maintained. Because these devices do not meet the Full Trash Capture Device definition, only ¼ of the catchment area treated by these measures is credited toward meeting the trash management area requirement of C. 10.a.
- For **population-based Permittees (Cities/counties)**, provide the number and types of full capture systems installed prior to FY 15-16 and during FY 15-16. Identify the total area (acres) treated by each type of system. Clearly identify treatment systems installed via provision C.3 (e.g., bioretention) and whether systems are publicly or privately owned.
- For **non-population based Permittees**, list the number and types of systems installed prior to FY 15-16 and during FY 15-16. To the extent possible, identify the total area treated by each boom/curtain, netting device or equivalent measure(s).
- Delete highlighted text before finalizing.

**C.10.b.i ► Trash Reduction - Full Capture Systems**

Provide the following:

- 1) Jurisdictional-wide trash reduction in FY 15-16 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) Since the effective date of MRP 2.0 (January 1, 2016), the percentage of systems that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full	Summary of Maintenance Issues and Corrective Actions
<b>Total</b>				

**Certification Statement:**



**C.10.b.i ► Trash Reduction - Full Capture Systems**

**Guidance:**

- **TMA** – List each TMA included on your trash management area map(s) even if no full capture systems have been installed to-date in the specific TMA.
- **Jurisdiction-wide Reduction**
  - o Calculate the overall % reduction in your jurisdiction that has occurred in each TMA as a result of full capture systems.
  - o For TMAs with no full capture system treatment, use “0.0%”.
  - o For TMAs with no moderate, high or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) AND with no full capture system treatment, use “NA.”
  - o The “Total” in the last row should equal the sum of the rows above.
- If a full capture system treats non-jurisdictional areas (e.g., public schools) and you chose to claim a trash reduction, indicate such in a footnote with the acreage of non-jurisdictional area treated and the associated baseline trash generation category.
- **Total # of Full Capture Systems** – List the total number of large and small full capture systems installed to-date in your jurisdiction. This number should be the same as the “Total for all Systems installed To-date” reported in Section C.10.a.iii (Mandatory Trash Full Capture Systems).
- **% of Systems Exhibiting Plugged/Blinded Screens or >50% full** – Provide the percentage of all full capture systems that based on operation and maintenance records since January 1, 2016 (effective date of the permit) were significantly plugged/blinded or greater than 50% full at the time of maintenance.
- **Summary of Maintenance Issues and Corrective Actions** – Provide a narrative summary of corrective actions taken to avoid future full capture system performance issues that cause full capture requirements to not be achieved. Include increases in maintenance frequencies or other changes to operation/maintenance procedures. As applicable, identify if certain types of systems or systems in specific geographical areas (e.g., TMAs) have significantly higher rates of maintenance issues.
- **Certification Statement:** Provide a statement certifying that each system is operated and maintained to meet the full capture system requirements in the MRP. For example: “The City/County of \_\_\_\_\_ certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.”
- As described in the permit, trash collection booms and sea curtains do not meet the full capture system definition, but are effective for removal of floating trash if properly maintained. Because these devices do not meet the definition, only ¼ of the trash generated from the catchment area treated by these measures is credited toward meeting the trash load reduction included in provision C.10.a.
- Add rows as necessary. Delete highlighted text before finalizing.



**GUIDANCE - C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)**

**General:**

- Only actions implemented since the effective date of MRP 1.0 in 2009 should be reported.
- Do not leave any cells blank.
- Add rows as necessary.
- Delete this guidance after finalizing.

**Summary of Trash Control Measures Other than Full Capture Devices:**

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 15-16, including any enhancements or new actions implemented in FY 15-16. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 15-16, including any enhancements or new maintenance activities implemented in FY 15-16. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 15-16, including any enhancements or new actions implemented in FY 15-16. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 15-16, and any enhancements or new actions implemented in FY 15-16. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of citations or other correction actions accomplished this year, and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.
- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 15-16, and any enhancements or new actions implemented in FY 15-16. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities/actions (e.g., public education) implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 15-16, and any enhancements or new (post December 2009 effective date) actions implemented in FY 15-16.



**GUIDANCE - C.10.b.ii – Trash Reduction – Other Trash Management Actions (Part B)**

- **Total Street Miles or Acres Available for Assessment (Column 2)** - For each TMA or applicable control measure area, list the total street miles or acres associated with jurisdictional areas with very high, high or moderate baseline trash generation. Do not include street miles or acres associated with areas treated by full capture systems or low baseline trash generation.
- **Street Miles or Acres Assessed (Column 3)** - For each TMA or applicable control measure area, sum the miles or associated acres for sites assessed. Do not include street miles or acres assessed that are associated with areas treated by full capture systems or low baseline trash generation.
- **% of Applicable Street Miles or Acres Assessed (Column 4)** - For those Permittees using randomly selected sites, for each TMA or applicable control measure area, calculate the % of street miles or acreage assessed by dividing the "Street Miles/Acres Assessed" (column 3) by the "Total Street Miles/Acres Available for Assessment" (column 2) and multiplying by 100. For those Permittees conducting assessments at strategic locations, place a "NA – Strategic Locations" in this cell and include/attach a description and justification for the selection of assessment site locations.
- **Avg # of Assessments Conducted at Each Site (Column 5)** - For each TMA or applicable control measure area, calculate the average number of assessments conducted at each site by dividing the total # of assessments conducted at all sites in the TMA or control measure area, by the number of sites assessed in the TMA or control measure area. Round to the nearest whole number.
- **Jurisdictional-wide Reduction (%)** - Use the following MRP formula and methods described in the MRP, calculate the trash reduction percentage associated with trash management actions other than full capture systems:

$$\% \text{ Reduction} = 100 \left[ \frac{(12A_{VH(2009)} + 4A_{H(2009)} + A_{M(2009)}) - (12A_{VH} + 4A_H + A_M)}{(12A_{VH(2009)} + 4A_{H(2009)} + A_{M(2009)}) + A_{M(2009)}} \right]$$

where:

$A_{VH(2009)}$	=	total amount of the 2009 very high trash generation category jurisdictional area
$A_{H(2009)}$	=	total amount of the 2009 high trash generation category jurisdictional area
$A_{M(2009)}$	=	total amount of the 2009 moderate trash generation category jurisdictional area
$A_{VH}$	=	total amount of very high trash generation category jurisdictional area
$A_H$	=	total amount of high trash generation category jurisdictional area in the reporting year
$A_M$	=	total amount of moderate trash generation category jurisdictional area in the reporting year
12	=	Very High to Moderate weighing ratio
100	=	High to Moderate weighing ratio
100	=	fraction to percentage conversion factor

- o List ALL TMAs whether assessments were conducted or not.
- o For TMAs with no reductions calculated, use "0.0%".
- o For TMAs with no moderate, high or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) AND with no new or enhanced other control measures, use "NA."
- o For each column, the "Total" in the last row should equal the sums of the rows above.
- o If a full capture system treats non-jurisdictional areas (e.g., public schools) and you chose to claim a trash reduction, indicate such in a footnote with the acreage of non-jurisdictional area treated and the associated baseline trash generation category.
- Delete this guidance after finalizing

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**C.10 – Trash Load Reduction**

**C.10.b.iv ▶ Trash Reduction – Source Controls**

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction	Total Reduction Credit (%)

**Guidance:**

- **Source Control Action** - Provide a brief description of the ordinance/policy, implementation date(s), manner of implementation including a summary of enforcement and a web link or attach a copy of the ordinance.
- **Summary Description & Dominant Trash Sources and Types Targeted** – Provide a summary of the sources and types of trash the source control is attempting to target.
- **Evaluation Method(s)** - For each control measure, list the method(s) (e.g., surveys, inspections, field monitoring) used to evaluate the effectiveness of the control measure in reducing trash from entering the municipal stormwater conveyance device. For Single-use Bag Ordinance and Expanded Polystyrene Ordinance document the implementation, enforcement and effectiveness relative to the programs of any Permittee whose effectiveness data are cited to obtain trash reduction value. Also, describe the method and assumptions used to estimate the % reduction of trash in stormwater attributable to the implementation of the control measure. Reference any studies, strategies, or other reports that detail the methods used. Reference or attach separate reports as applicable.
- **Summary of Evaluation Results To-date** - For each control measure, provide a brief description of the results of evaluations conducted to-date. Results may include, but are not limited to, business compliance rates, survey results, or environmental monitoring. Reference any separate reports that provide more detailed results. For Single-use Bag Ordinance and Expanded Polystyrene Ordinance document implementation, enforcement and effectiveness relative to the programs of any Permittee whose effectiveness data are cited to obtain trash reduction value. Reference or attach separate reports as applicable.
- **% Reduction** - For each control measure, provide an estimate of the % of trash load generated in your municipality that was reduced as a result of the on-going implementation of the control measure. Use available information from your municipality, or another representative municipality, or regional/countywide study/assessment. If using another representative municipality, describe with documentation and statistics from effectiveness evaluation, the comparability of their results with your program.
- **Total % Reduction Credit** – For all source controls combined, provide the total % reduction credit claimed towards your trash load reduction goal, up to the maximum 10% allowed by MRP 2.0.
- Delete this guidance after finalizing

**C.10.c ► Trash Hot Spot Cleanups**

Provide the FY 15-16 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 15-16.

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Clayton Station (behind Safeway- Mt Diablo Creek segment)	N	___/___/2016	6/5/2012 33 gallons (.20 cubic yd)	6/28/2013 25 gallons (.15 cubic yd)	6/27/2014 7.5 gallons (.04 cubic yd)	6/22/15 25 gallons (.15 cubic yd)	Need number here

**Guidance:**

- Fill out the following table or attach a summary or table with equivalent information.
- Add rows as necessary.
- Do not leave any cells blank and add/delete rows as needed.
- Photographs of hot spots before and after cleanups/assessments should be documented and accessible, but are not required to be submitted with the Annual Report.
- Do not include information/data regarding hot spot cleanups that are reported under section C.10.e (Additional Creek and Shoreline Cleanups).
- Delete this guidance after finalizing



**C.10.d ► Long-Term Trash Load Reduction Plan**

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your trash generation map was revised and is attached to your Annual Report.

Description of Significant Revision	Associated TMA
None or elimination of the schools ??	

**Guidance:**

- List all significant changes made to your long-term plan since February 2014.
- For this year, all Permittees should include a statement to the effect that public schools (K-12, community colleges, and public universities) have been reclassified as a non-jurisdictional land use. Submit revised Baseline Trash Generation Rate map to show this reclassification.
- Descriptions provided in this section should only pertain to significant changes or additions made to Long-term Plans to-date.
- Add rows as necessary.
- If your baseline trash generation map was revised subsequent to your Long-Term Plan submittal in February 2014, attach to your annual report and indicate in the table above the changes/revisions that were made.
- Delete this guidance after finalizing

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**C.10 – Trash Load Reduction**

**C.10.e. ► Trash Reduction Offsets (Optional)**

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 15-16	Offset (Jurisdiction-wide Reduction %)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	<p>None claimed – However the local newspaper, Clayton Pioneer, hosts one community wide creek/trail clean up in April. Creek areas covered included portions of Mt. Diablo Creek, Donner Creek and Mitchell Creek within the City limits of Clayton.</p> <p>This FY it was done on April 23, 2016. Apx. 125 attended and there was apx. 10 cubic yards of vegetation and miscellaneous litter items (paper, wood, plastic, cardboard) collected along the trails, creeks, parks and in downtown Clayton.</p>	12 cubic yards	None claimed
Direct Trash Discharge Controls (Max 15% Offset)			

**Guidance:**

- **Additional Creek and Shoreline Cleanups :**
  - o Describe the creek and shoreline cleanup actions taken in FY 15-16 in addition to those required by provision C.10.c. Include the number and frequency of cleanups conducted, the locations and cleanup dates, and the volume of trash removed.
  - o Include separate tables with an equivalent level of information as needed.
  - o Using the formula below, calculate the offset (% reduction) and include in the last column:
  
- **Direct Trash Discharge Controls:**
  - o Describe your Direct Discharge Control Program approved by the Water Board Executive Officer and implemented in FY 15-16. Reference approval obtained by the Water Board Executive Officer. In your description, include the number and frequency of actions conducted, the locations and dates of actions taken, and the volume of trash removed/reduced.
  - o Also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program.
  - o Include separate tables with an equivalent level of information as needed.
  - o Using the formula below, calculate the offset (% reduction) and include in the last column:

$$1\% \text{ Reduction Offset (Volume)} = (12A_{VH(2009)} + 4A_{H(2009)} + 4A_{M(2009)}) \text{ OF}$$

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where:

$A_{VH}(2009)$	=	total amount of the 2009 very high trash generation category jurisdictional area
$A_H(2009)$	=	total amount of the 2009 high trash generation category jurisdictional area
$A_M(2009)$	=	total amount of the 2009 moderate trash generation category jurisdictional area
12	=	Very High to Moderate weighing ratio
4	=	High to Moderate weighing ratio
OF	=	offset factor equal to $(7.5 \times 0.033)$ for the 2016 performance guideline, where 7.5 is the conversion from acres to gallons based on trash generation rates and 0.033 is the three to one offset ratio

- Delete this guidance after finalizing

Appendix XX. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 15-16.

TMA	2009 Baseline Trash Generation (Acres)				Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems				Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems and Other Control Measures				Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)				
	L	M	H	VH	Total	L	M	H		VH	Total	L	M			H	VH	Total	
<b>Totals</b>																			

**Guidance:**

- **2009 Baseline Trash Generation (Acres)** – Provide the jurisdictional area (acres) in each trash generation category depicted on your most recent baseline trash generation map. Do not include non-jurisdictional areas.
- **Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems** – Provide the jurisdictional area in each trash generation category after moving all areas treated by full capture systems and reported in section C.10.b.i to "low/L" trash generation.
- **Jurisdiction-wide Reduction via Full Capture Systems (%)**
  - o Using the load reduction calculation formula included in the MRP, provide the % reduction in your jurisdiction that has occurred in each TMA as a result of full capture systems.
  - o For TMAs with no full capture system treatment, use "0.0%".
  - o For TMAs with no moderate, high or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) AND with no full capture system treatment, use "NA."
  - o The "Total" in the last row should equal the sum of the rows above.
  - o The % reductions reported for each TMA and the Total should be consistent with those reported in section C.10.b.i.
  - o If a full capture system treats non-jurisdictional areas (e.g., public schools) and you chose to claim a trash reduction, indicate such in a footnote with the acreage of non-jurisdictional treated and the associated baseline trash generation category.
- **Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems and Other Control Measures** - Provide the jurisdictional area in each trash generation category after moving all areas treated by full capture systems and reported in section C.10.b.i to "low/L" trash generation AND accounting for trash load reductions via on-land assessments reported in C.10.b.ii.
- **Jurisdiction-wide Reduction via Other Control Measures (%)**
  - o For TMAs with no reductions calculated, use "0.0%".
  - o For TMAs with no moderate, high or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional), use "NA."
  - o For each column, the "Total" in the last row should equal the sum of the rows above.

- o The % reductions reported for each TMA and the Total should be consistent with those reported in section C.10.b.i.
- o If a load reduction associated with other actions implemented in non-jurisdictional areas is claimed in section C.10.b.ii, indicate such in a footnote with the acreage of non-jurisdictional area addressed via other actions and the associated baseline trash generation category.
- **Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)**
  - o Provide the sum of "Jurisdiction-wide Reduction via Full Capture Systems (%)" and "Jurisdiction-wide Reduction via Other Control Measures (%)" for each TMA and Total.
  - o For each column, the "Total" in the last row should equal the sums of the rows above.
  - o If a full capture system treats non-jurisdictional areas (e.g., public schools) OR a load reduction associated with other actions in non-jurisdictional areas is claimed in section C.10.b.ii, indicate such in a footnote with the acreage of non-jurisdictional area treated and addressed via other actions and the associated baseline trash generation category.

**Section 11 - Provision C.11 Mercury Controls**  
**C.11.a ▶ Implement Control Measures to Achieve Mercury Load Reductions**  
**C.11.b ▶ Assess Mercury Load Reductions from Stormwater**  
**C.11.c ▶ Plan and Implement Green Infrastructure to Reduce Mercury Loads**  
**C.11.d ▶ Prepare Implementation Plan and Schedule to Achieve TMDL Allocations**  
**C.11.e ▶ Implement a Risk Reduction Program**

Summary: A summary of countywide and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional reports.

The City of Clayton local efforts related to mercury load reductions through recycling during FY 15-16 included the following:

- 1) **Promotion:** Our Solid Waste/Recycling Hauler (Allied Waste – AWIN, now known as Republic Services) started in October 2011 the curbside collection of CFL's and e-waste for free. This promotion was included on the Republic Services billing messages to customers, billing inserts, and their Annual Customer Guide (mailed to all customers) and Republic Services web site. The City of Clayton web site has a link to our haulers web site. In addition there is information on the County web site related to proper disposal or recycling opportunities. Our hauler also provides periodic information in our local newspaper [Clayton Pioneer] which is distributed to all Clayton residences and businesses.
  - 2) **HHW Program:** The City of Clayton is served by a semi regional facility operated by and located at Central Contra Costa Sanitation – Central Sans. They produce promotional information and have a Web Site. They provide the opportunity for small businesses and residents to drop-off mercury-containing devices of CFL's, fluorescent tubes, mercury thermometers, mercury switches.
  - 3) **Curbside Collection:** Our Hauler (Republic Services) started curbside collection in October 2011 of CFL's and e-waste for free at individual residences and businesses [fluorescent tubes and thermometers are not collected curbside].
  - 4) **Commercial business take back:** Bill's Ace Hardware is located about 3 miles away in Concord. This location takes back fluorescent tubes at no cost to residents – this location is closer than the HHW Central Sans.
  - 5) **City Maintenance Activity:** The City maintains four buildings [City Hall, County Library Branch, Maintenance Yard Building, and a small rental hall (Endeavor Hall)], and some of the city streetlamps, all park lighting, and landscape lighting. All CFL's, Fluorescent tubes, Metal Halides lamps, as well as leftover paints are taken to the Central Sans HHW facility. The City recently converted some of its streetlights on its arterial streets with LED lamps through grant funds. PGE initiated the completion of the remaining lights arterial lights that they own to LED at the end of FY 14-15. The LED's have a longer life and contain less mercury than metal halides streetlights.
1. **Collection of Mercury-containing devices and equipment:** The City of Clayton has no role in the collection of mercury-containing devices and equipment at the consumer level.
    - a. Collection of Mercury-containing devices and equipment by your municipality or contractors at individual residences. The City of Clayton does not have nor does its hauler provide pick up for mercury containing devices other than CFL's. Collection is done with residents puffing bulbs into zip lock bags and placing out with their other materials on their scheduled collection day. (According to our hauler in 2015-16 apx. 292 CFL's were collected curbside ( a decrease of 40% over FY 14-15); along with 128 e-waste devices; and 9,050 household batteries. Batteries increased over 200% from FY 14-15, - in FY 14-15 there was also an increase of over 100% over FY 13-14;

See Attachment C 11



Section 12 - Provision C.12 PCBs Controls

- C.12.a ▶ Implement Control Measures to Achieve PCBs Load Reductions
- C.12.b ▶ Assess PCBs Load Reductions from Stormwater
- C.12.c ▶ Plan and Implement Green Infrastructure to Reduce PCBs Loads
- C.12.d ▶ Prepare Implementation Plan and Schedule to Achieve TMDL Allocations
- C.12.e ▶ Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way
- C.12.f ▶ Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains
- C.12.g. ▶ Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins
- C.12.h ▶ Implement a Risk Reduction Program

Summary:

There are no industrial or commercial facilities or uses in the City of Clayton that would have PCB related to them. The City of Clayton is mostly newer low density wood frame residential development. It's one neighborhood commercial shopping center was built in 1990. The City of Clayton is participating with the program and/or BASMA on these provisions.

A summary of Permittee, CCCWP and BASMAA regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional report.



Section 13 - Provision C.13 Copper Controls

**C.13.a.iii ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features**

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?

<b>X</b>	<b>Yes</b>	<b>No</b>
----------	------------	-----------

(For FY 15-16 Annual Report only) Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary: **to date, there are not any copper roofs or other copper architectural features existing in the City of Clayton, nor have any been reviewed or processed or approved by City staff or the Planning Commission.**

New development projects, or modification to existing projects, are subject to review by planning dept. prior to the issuance of building permits, and would require discretionary review by the Planning Dept. and/ or Planning Commission. If copper features were proposed staff would either work to have the material changed to non-copper, or if approved with copper ensure that all runoff from the copper features including that from cleaning, treating and washing went into LID's. Guidance materials developed by the San Mateo Countywide Pollution Prevention Program and used by the Contra Costa Clean Water Program were provided to the County Building Division that handles building permit review for the City of Clayton. These materials document BMP's that should be implemented during installation and maintenance of copper architectural features.

(FY 15-16 Annual Report and each Annual Report thereafter) Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary: **There are not any copper roofs or other copper architectural features existing in the City of Clayton.**

New development projects, or modification to existing projects, are subject to review by planning dept. prior to the issuance of building permits, and would require discretionary review by the Planning Dept. and/ or Planning Commission. If copper features were proposed staff would either work to have the material changed to non-copper, or if approved with copper features, including roofs, would have all runoff including that from cleaning, treating and washing go into LID's. Guidance materials developed by the San Mateo Countywide Pollution Prevention Program and used by the Contra Costa Clean Water Program were provided to the County Building Division that handles building permit review for the City of Clayton. These materials document BMP's that should be implemented during installation and maintenance of copper architectural features.

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**C.13 – Copper Controls**

**C.13.b.iii ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals**

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
X	Yes	No

(For FY 15-16 Annual Report only) Provide a summary of how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.

Summary:

The City of Clayton utilizes the CCCWP pamphlet addressing appropriate BMPs for draining pools, spas and fountains ([http://www.cccleanwater.org/\\_pdfs/Pool\\_Spa\\_Brochure.pdf](http://www.cccleanwater.org/_pdfs/Pool_Spa_Brochure.pdf)). This tri-fold informs residents/contractors of maintenance items that reduce the need to drain pools and spas, instructs in the proper procedures for pool draining (discharge to sanitary sewer), and provides tips for locating the sanitary sewer clean-out. In addition, the City refers residents to CCCSD for a no-fee permit for discharging water from pools and spas and provides BMP information on its webpage (<http://www.centralian.org/index.cfm?navid=203>). For all new or renovation pool and or spa plans the City provides these materials to the contractor and homeowner. If the homeowner has a contractor obtaining the permits the City provides notice on the plans that the contractor is responsible to provide the materials to the homeowner on proper discharge and maintenance.

**See Attachments C 13**

(FY 15-16 Annual Report and each Annual Report thereafter) Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:

**There were no enforcement activities required or undertaken in FY 15-16 for copper containing discharges from pools, spas or fountains.**

**C.13.c.iii ► Industrial Sources Copper Reduction Results**

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary:

There are no facilities within the City of Clayton that have been identified as potential users or sources of copper that would require copper reduction BMPs. In general no facilities were inspected in FY 15-16 under Provision C-4 Industrial and Commercial Business Inspection program that are potential users or sources of copper. There was one business inspected this FY on August 25, 2015 (R&M Pool and Spa Garden Center) and no issues were identified in the inspection by our POTW – Central Sans. Central Sans furnished informational materials Guidance materials developed by the San Mateo Countywide Pollution Prevention Program and used by the Contra Costa Clean Water Program were provided to the County Building Division that handles building permit review for the City of Clayton. These materials document BMP's that should be implemented during installation and maintenance of copper architectural features.

See Section C.4 for information and refer to BASMAA POC inspector training materials.

Section 15 -Provision C.15 Exempted and Conditionally Exempted Discharges

**C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering**

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:

In September 2010, the City of Clayton adopted new water conservation requirements as was mandated per state law. This ordinance requires new developments to submit efficient irrigation water use calculations and detailed landscape plan prior to either issuance of permits or final inspection of the development project. The Planning staff, City Engineer, stormwater manager have all received a copy and been trained on the new requirements. The requirements apply to private and public projects. Since the requirements are a part of the city codes they are included on our on line documents. The Planning staff provides the information to as part of the early review consultation process of any applicable development application. The city engineer includes as part of any public contract bid process, and city maintenance staff utilize as part of any major landscape renovation project.

In February 2014, the City adopted Ordinance 452 which updated the Building Codes to the 2013 Cal Green version which includes water conservation components related to plumbing. The City is also covered by the drought emergency regulations set forth by the State and Contra Costa Water District.

With the drought and emergency regulations established by the State there has been many media provided by the State and the Contra Costa Water District (CCWD) on water restrictions and conservation, including print ads, direct mail information/bill insert, web, social media, with messages to customers regarding water conservation promotion. Additionally in FY 15-16 the City of Clayton will review of Ordinance 452 and make appropriate modification to comply with newer state regulations of WELO (Water Efficient Landscape Ordinance)

Materials prepared by the Program on less toxic pest control measures are available at the library kiosk display and were provided at the Clayton Cleans Up event and the Creekside Arts Festival. The Contra Costa Water District also staffed information booth and provided outreach materials on water restrictions, conservation, proper plan selection, less toxic pest control and landscape management and drought tolerant and native vegetation. The local garden club also provided information on drought tolerant and native vegetation at one of the farmers market and their annual spring plant sale. There are also local landscape designers that support these approaches and include this aspect in their print media of our local newspaper on a regular basis. The local garden club (Clayton Valley Garden Club) hosts an annual local spring Garden Tour where homes feature water conserving planting and irrigation, in addition the City of Clayton supports the Bringing Back the Natives annual Garden Tour with usually two local homes in Clayton on the tour again promotes water conserving planting and irrigation, and less toxic pest control methods.

**FY 15-16 Annual Report**

**Permittee Name: City of Clayton**

**C.15 – Exempted and Conditionally Exempted Discharges**

Additionally, the City of Clayton through the CCCWP promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- 6th Edition Stormwater C.3 Guidebook adopted by ordinance promotes to land development professionals landscaping designed to:  
1) minimize irrigation and runoff; 2) promote infiltration of runoff where appropriate; and, 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g., soil and climate).
- Green Business Program promotes to businesses a variety of measures such as using drought tolerant plantings, mulching, carefully monitoring irrigation schedules and needs, and implementing Integrated Pest Management.
- Our Water Our World (OWOW) Program promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.
- Bay Friendly Landscaping and Gardening Training and Certification Program promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.

One of our Maintenance Supervisors has been Bay Friendly certified and our outside contractor for weed abatement is also Bay Friendly Certified.

**See Attachment C15**

# Attachments

## City of Clayton

### for Section C-2

CITY OF CLAYTON MAINTENANCE STAFF ACTIVITY  
Information for storm water report Year 15-16

**Herbicide common name, usage, and active ingredient**

Trade Name: RANGER Pro

Usage in 15/16: 28.36 gallons

Active ingredient: Glyphosate N (phosphonmethyl) glycine in form of isopropylamin salt

Trade Name: eVade 4FL

Usage in 15/16: 292oz

Active ingredient: Prodiamine (Cas No. 29091-21-2)

**Trade Name:** GALLERY 75 Dry Flowable

Usage in 15/16: 8.25lbs

Active ingredient: isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide and isomers

**Fertilizers Usage:** 200 pounds of fertilizer used on Park lawns - it was a slow release.

**Material Removed in annual fall inspection:**

**Landslide Debris bench:** 0

**Box Culverts:** 0

**Creeks:** 40 yards removed – mostly wood, brush, trash; including paper, plastic, bottles, and cans.

**Catch Basin:** Inspected all catch basins in the City. Roto Rotor removed 6 yards from 82 catch basins with vacuum truck cost \$12,302.00

**V Ditches:** 10 yards removed – mostly dirt small amount of trash

**Drain to the Bay Signs:** inspected all catch basins for damage; 208 signs reported damage purchased 105 new signs at a total cost \$3,024.71

**Training:** 2 Full time QAC (Qualified Applicator Certificate) with IPM training at PAPA seminars 7/28/15 and 4/5/16 2 full time employees received their QAC in 15/16 FY total of 10 seasonal workers in pesticide application one or more was trained on these dates 5/6/15, 6/17/15, and 6/13/16

Contractor given city protocol for the New Zealand Mud Snail before starting repairs of Pedestrian Bridges along trail system 11/12/15. Maintenance person were given a refresher on New Zealand Mud Snail before the annual checking of Cities creeks.

CITY OF CLAYTON MAINTENANCE STAFF ACTIVITY  
**Information for storm water report Year 15-16**

**Trash from City Parks and Roadways:** 79 total recycling and trash receptacles serviced in the City Trash; estimated 1,942 cubic yards recycling; estimated 322 cubic yards

**Inspection of Corp Yard:** Inspected 9-16-15 before rains. Check and clean catch basin, removed debris from yard i.e. paint, signs, old light bulbs, and general house cleaning. Installed trash cans at the Police Car parking area. Purchased new traps and installed over equipment and Bin materials (i.e. sand, gravel, top soil, bark)


**Hot Spot:** Inspected and cleaned June 23, 2015.

**Trash Capture Equip Catch Basins:** 25 total catch basins inspected, cleaned and information out into Trash Tracker – June 20, 21, 22, and 23, 2015.





# Memo

**To:** Mark Janney and John Johnston – Maintenance Supervisors  
**From:** Laura Hoffmeister, Asst. to the City Manager   
**Meeting Date:** September 19, 2012  
**Re:** Transmittal of new required City Maintenance Written Standard Operation Procedures (SOP) for addressing potential threat of New Zealand Mud Snail

---

The City of Clayton is a part of the Contra Costa Clean Water Program NPDES permit regulations issued as the Municipal Regional Permit (MRP). One of the permit regulations state that we are to address impacts or potential threats to impacts to water quality including that in and around the creeks.

A regional monitoring program conducts periodic assessments to evaluate for any potential threats that water board has identified. One of the threats is from the non-native New Zealand Mud Snail. Recent monitoring studies have found that it is appearing in several creek areas in Contra Costa County. Even though it has not been identified to date in creeks in our city we are still required to immediately undertake the SOP. Because the studies did not include all creeks or creek segments in the region as the New Zealand Mud Snail is highly transportable, reproduces extremely fast and wipes out creek habitat swiftly all cities are to implement the SOP. Additional background info is attached.

I have attached the SOP that are now to be implemented. All maintenance staff are to be made aware of the information. Obtain in writing (their signature/date) that they have reviewed and received the information. The SOP and documentation shall be kept on site at the Corp. Yard where it is easily accessible as can be quickly located by any of the staff, as it is a part of the permit requirement and thus is subject to random audits conducted by the Water Board staff or their consultants.

Volunteer groups that might go into the creek must adhere to these SOP. For the volunteers it is probably best just to prohibit them from going into the creek.

For outside contractors that you or City Engineer may use they also must adhere to the SOP, and these SOP are to be a part of their contract/agreement.

cc: Rick Angrisani  
Gary Napper

## Laura Hoffmeister

---

**From:** Mark Janney <mjanney@ci.clayton.ca.us>  
**Sent:** Wednesday, February 05, 2014 8:35 AM  
**To:** lhoffmeister@ci.clayton.ca.us  
**Subject:** New Zealand Mud Snails

Laura

It is the policy of the City of Clayton Maintenance Department to let only paid seasonal or full time workers into the creek during the Cities annual inspection and cleaning. All paid seasonal and full time workers that work in the creeks have been made aware of the New Zealand Mud Snails. They have been informed on the proper way of cleaning equipment and clothing that comes in contact with the creeks. The Maintenance Department does not use WAP (work alternative personal) to enter creek areas during our annual creek maintenance or any other official volunteer personnel.

NEW ZEALAND MUD SNAIL  
CLAYTON MAINTENANCE MEETING

DATE 9-14-2015

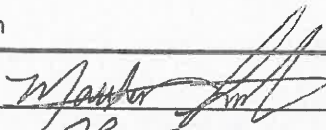
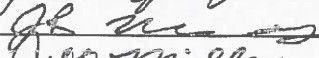
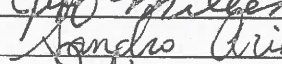


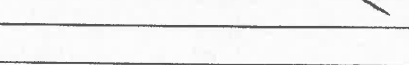

Meeting of the Clayton Maintenance Staff in Methods/Procedures for the prevention of the New Zealand Mud Snail survival and proper cleaning of Equipment/Clothing when in Creeks.

Attendees

Print Name

Sign

MATTHEW Trout  
James Murray  
JEFF MILLER  
Sandro Arias  
Jade Thorndick  
Dan Johnson  
MARK JANNBY

NEW ZEALAND MUD SNAIL

CITY OF CLAYTON SUB-CONTRACTER

KNOWLEDGEMENT OF RECEIPT OF CITY PROCEDURES (SOP)

DATE OCT 8 2015

This is acknowledgement of receipt of the New Zealand Mud Snail Standard Operation Procedures (SOP) for the City of Clayton when working in any of the Cities Creeks. This also acknowledges the receipt of literature explaining the threat to water ways and the characteristics of the New Zealand Mud Snail. This further acknowledges that all employees of the sub-contractor have been made aware and follow the Cities Standard Operation Procedures (SOP) for the New Zealand Mud Snail when operating in the Cities Creeks.

Print Name

Sign

Company

E.J. Waraner

*E.J. Waraner*

Waraner Bros Tree Service

NEW ZEALAND MUD SNAIL

CITY OF CLAYTON SUB-CONTRACTER

KNOWLEDGEMENT OF RECEIPT OF CITY PROCEDURES (SOP)

DATE 11/12/15

This is acknowledgement of receipt of the New Zealand Mud Snail Standard Operation Procedures (SOP) for the City of Clayton when working in any of the Cities Creeks. This also acknowledges the receipt of literature explaining the threat to water ways and the characteristics of the New Zealand Mud Snail. This further acknowledges that all employees of the sub-contractor have been made aware and follow the Cities Standard Operation Procedures (SOP) for the New Zealand Mud Snail when operating in the Cities Creeks.

Print Name

Sign

Company

SWAN CARBILLO Juan C Carillo GRATINERO CA

# Standard Operating Procedures for Field and Personal Equipment and Clothing Decontamination Procedures for Creek Work

## **Special Cautions and Considerations; Health and Safety**

!

### **CAUTIONS**

When using chemical cleaners, always read the product label and adhere to all printed cautions and safety measures. Wear rubber gloves and eye protection when using chemical cleaners.

Treating field gear with chemical methods may result in unintended contamination of the environment. In particular, extreme caution must be taken to avoid contamination of waterways and wetlands. DO NOT rinse your treated gear in a water body.

Treating rubber gear or boots with Formula 409® and other disinfectants with quaternary ammonium compounds (QACs) may result in surface cracking of the rubber and loss of water repellency.

Chemical methods are not always effective in killing mudsnails. Always scrub your gear and consider using physical methods before resorting to chemical methods.

The best prevention is to simply stay out of the creeks as much as possible. When maintenance is required, limit the number of people who are actually getting into the water.

Work shall be spaced or scheduled in a manner that is spaced out and not going from one creek to another without decontaminating gear. If in same creek and going to a different section (more than ¼ mile away), gear and equipment shall be decontaminated prior to going into the next segment.

Decontamination of all gear, boots, waders and equipment that goes into or comes in contact with the water.

One of the 3 following methods shall be used for decontamination: Do not hose off into yard. Must use a sink that is connected to sanitary sewer or use the covered service bay with water that goes into holding tank.

Scrubbed with a stiff brush, AND followed by either:

- Chemical or Physical treatment. Chemical treatment can include Quat 128 (the active ingredient in Formula 409).
- Drying for a minimum of one week.
- Freezing gear overnight.

Further information and details regarding decontamination procedures are attached.

## Methods/Procedures

To prevent the survival of mudsnails or other invasives on field clothing and equipment, it is necessary to first clean all field gear and then to treat it, using either the physical or chemical methods listed below. The following steps are recommended:

- If possible, keep different sets of field gear for use in different bodies of water.
- **Clean** all gear before leaving a site, scrubbing with a stiff-bristled scrub brush and rinsing with water, preferably high-pressure. This is often the simplest and most effective measure for prevention.
- **Inspect** gear before it is packed for transport. Visible traces of sand, mud, gravel, and plant fragments are signs that gear has not been properly cleaned and mudsnails may have been retained.
  
- **Select** a treatment method in addition to scrubbing and rinsing if mudsnails are present or suspected to be present. Two general categories of treatment are available - physical methods and chemical methods:
  - **Freezing, hot water, or drying treatments** are recommended over chemical treatments because they are usually less expensive, more environmentally sound, and possibly less destructive to gear. However, most physical methods require longer treatment times and often cannot be performed in the field.
  - **Chemical treatments** require a 10-minute soak in a special solution (see "CHEMICAL," page 5). After chemical treatment, gear must be rinsed thoroughly with tap water away from all bodies of water, and all soak solutions and rinse water must be properly disposed of.

## PHYSICAL TREATMENT

These methods for cleaning gear are effective as well as environmentally sound. Use *one* of the following methods:

- **Freeze** your gear for a minimum of 4 hours to kill all mudsnails. Freezer temperatures should be at 26°F (-3°C) or below.
- **Soak** gear in a bath of hot water (at least 120°F, 46°C) for 10 minutes.  
NOTE: This method is not advised for Gortex.
- **Dry** your gear before reuse. A drying time of at least 48 hours under low humidity is recommended to remove all pockets of dampness. Gear must be completely dry for a minimum of 24 hours. Check to ensure that boots are totally dry.



## CHEMICAL TREATMENT

Common disinfecting cleaners containing quaternary ammonium compounds (QACs, e.g., alkyl dimethyl benzylammonium chloride [ADBAC]; diacyl dimethyl ammonium chloride [DDAC]) are effective for decontaminating gear.

Disinfectants listed below will kill other aquatic invasive species but may not result in 100% mortality.

Gear should be soaked in *one* of the following solutions for 5 minutes and then rinsed thoroughly with tap water, away from the water body:

- Commercial disinfectant solutions containing quaternary ammonium compounds (e.g., Formula 409® Cleaner Degreaser Disinfectant, alkyl dimethyl benzylammonium chloride [ADBAC]; diacyl dimethyl ammonium chloride [DDAC]). Formula 409® Cleaner Degreaser Disinfectant has been proven effective for killing mudsnails at 50% dilution.
- The compounds Quat 128® and Sparquat 256® are commercial disinfectants with an active ingredient (QAC) similar to that of Formula 409® Cleaner Degreaser Disinfectant, which has proven effective for killing mudsnails and other aquatic invasive species (see the table on the foldout page of the brochure for dilution rates).
- Many household bath and kitchen disinfectants contain quaternary ammonium compounds (check the label for active ingredients containing alkyl dimethyl benzylammonium chloride [ADBAC]; diacyl dimethyl ammonium chloride [DDAC]).

These and other chemical treatments are constantly being evaluated and are updated online at: [seagrant.oregonstate.edu/themes/invasives/](http://seagrant.oregonstate.edu/themes/invasives/)

Store and dispose of solution and used rinse water properly.

### **Quality Assurance/Quality Control**

If chemical treatments are used, ensure that rinsing is performed thoroughly, to prevent contamination of water courses.

## IF YOU FIND MUDSNAILS

If you suspect you have found mudsnails, collect 5 to 10 individuals and place them in a plastic bag into which you have sprinkled water. Check against the simple traits above and on the Web page below to confirm identification.

<http://www.esg.montana.edu/aim/mollusca/nzms>

Please save the samples and contact the Oregon Invasive Species Council (1-866-INVADER) and one of these specialists:

Sam Chan

Oregon State University  
Oregon Sea Grant Extension  
[samuel.chan@oregonstate.edu](mailto:samuel.chan@oregonstate.edu)

Robyn Draheim

Center for Lakes and Reservoirs  
Portland State University  
[draheim@pdx.edu](mailto:draheim@pdx.edu)

Paul Heimowitz

U.S. Fish and Wildlife Service  
[Paul\\_Heimowitz@fws.gov](mailto:Paul_Heimowitz@fws.gov)

Sherri L. Johnson

PNW Research Station  
USDA Forest Service  
[johnsons@fsl.orst.edu](mailto:johnsons@fsl.orst.edu)

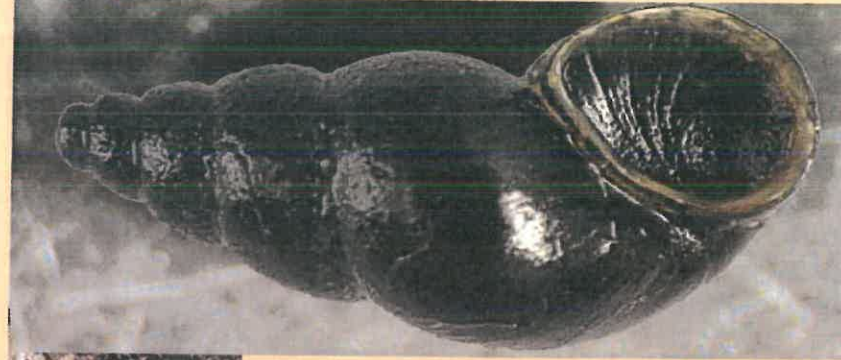
To order copies, call 1-800-375-9360,  
or write [sea.grant.communications@oregonstate.edu](mailto:sea.grant.communications@oregonstate.edu)  
You can download a pdf of this brochure at  
<http://seagrant.oregonstate.edu/sgpubs/onlinepubs.html>



# NEW ZEALAND MUDSNAILS



## HOW TO PREVENT THE SPREAD OF NEW ZEALAND MUDSNAILS THROUGH FIELD GEAR



*This brochure is intended for researchers, monitoring crews, watershed survey groups, and anyone else who travels frequently between aquatic or riparian locations. It is intended to be used as a guide to currently accepted methods for treating field gear to prevent the spread of New Zealand mudsnails.*





Devils Lake, Oregon, is heavily infested with New Zealand mudsnails. Prevent the spread of New Zealand mudsnails by cleaning gear and boats and not moving water from infested waters into new bodies of water. (Photo by Jane and Michael Liu.)

## INTRODUCTION

The New Zealand mudsnail (*Potamopyrgus antipodarum*) is an introduced aquatic species that has invaded estuaries, lakes, rivers, and streams in Washington, Oregon, California, and many other states in the western U.S. It was first noted in North America in the late 1980s in the Snake River and has since spread throughout the West.

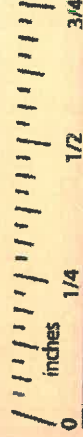
The small size (< 5 mm), cryptic coloration, and ability to survive out of water for weeks make the New Zealand mudsnail an ideal hitchhiker.



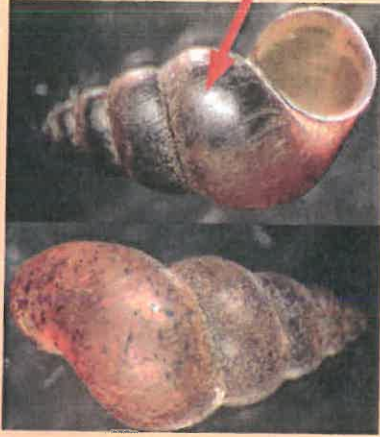
Snails can be inadvertently transported in bootlaces (center)—note different color. (Photo by Jane and Michael Liu.)

Range expansion of the mudsnail has been unwittingly hastened by anglers, hunters, and field personnel—in other words, people who frequently move between streams and lakes in watersheds, hauling wet waders, nets, and other gear with them. Once the mudsnail is established in a new habitat, it is impossible to eradicate it without damaging other components of the ecosystem. Thus, inspecting, removing, and treating gear before moving to a new water body is the most effective means of preventing the spread of mudsnails.

## IDENTIFYING THE NEW ZEALAND MUDSNAIL



**Size:** A mature snail is usually less than 5 mm (.2 in) long. (Photo by Jane and Michael Liu.)



**Shape:** Shell is elongated and dex-  
tral (its whorls or spirals lean toward  
the right). Snail typically has  
between 5 to 6 whorls on its shell.  
(Photo by D. L. Gustafson, [http://www.esg.montana.edu/aim/  
mollusca/hzms](http://www.esg.montana.edu/aim/mollusca/hzms))



**Color:** Most snails have a light- to  
dark-brown shell that may appear  
to be black when wet. (Photo by Jane and  
Michael Liu.)



**Embryos:** Upon dissection, mature  
snails will have brooded embryos.  
(Photo by D. L. Gustafson, [http://www.esg.montana.edu/aim/  
mollusca/hzms](http://www.esg.montana.edu/aim/mollusca/hzms))



**Operculum:** The mudsnail operculum  
(a rounded plate that seals the mouth  
of the shell when the animal's body  
is inside) can be seen on live snails  
but is not easily visible on dead or  
preserved snails. (Photo by D. L. Gustafson, [http://  
www.esg.montana.edu/aim/mollusca/hzms](http://www.esg.montana.edu/aim/mollusca/hzms))

The New Zealand mudsnail is often less than 5 mm long. (Photo by Jane and Michael Liu.)



## MIXING INSTRUCTIONS

■ **Copper sulfate:** Dissolve 3.785 grams of copper sulfate pentahydrate crystals (99.1% purity) for each gallon of solution you want to make. This will achieve a concentration of 252 mg/L of copper ion in the cleaning solution.

■ **Benzethonium chloride:** Dissolve 7.57 grams of benzethonium chloride (97% purity) for each gallon of cleaning solution you want to make. This will achieve a concentration of 1,947 mg/L in the cleaning solution.

■ **Formula 409® Disinfectant:** Dilute the commercially available solution 1:1 with clean water to achieve the needed concentration for the cleaning solution (i.e., 1 gallon of Formula 409 Disinfectant to one gallon of water). (Note that formulations are subject to change. Check label to make sure that benzethonium chloride is listed as an ingredient.)



Fishing docks and boats are potential conduits for spreading the New Zealand mudsnail. (Photo by Jane and Michael Liu.)

New Zealand mudsnail in test chamber with chemical test solution. (Photo by Robert Hosea.)

## CAUTION

Treating field gear with chemical methods may result in unintended contamination of the environment. In particular, extreme caution must be taken to avoid contamination of waterways and wetlands. DO NOT rinse your treated gear in a water body.

Treating rubber gear or boots with benzethonium chloride or Formula 409® may result in surface cracking of the rubber and loss of water repellency. Chemical methods are not always effective in killing mudsnails. Always scrub your gear and consider using physical methods before resorting to chemical methods. For more information on the testing of chemical treatment methodology, see R. C. Hosea, and B. Finlayson, 2005, *Controlling the Spread of New Zealand Mud Snails on Wading Gear*, Administrative Report 2005-02, Rancho Cordova, California: Resources Agency, California Department of Fish and Game.

## THE MUDSNAIL PROBLEM

The New Zealand mudsnail is a threat to our waters. By competing with native invertebrates for food and habitat, it may have a detrimental impact on fish populations, vegetation, and other native biota. Mudsnails can tolerate a wide range of habitats, including brackish water, and are found living in high densities (often over 400,000 snails/sq meter) on many different substrates (rock, gravel, sand, and mud).

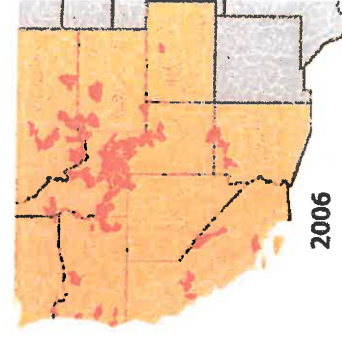
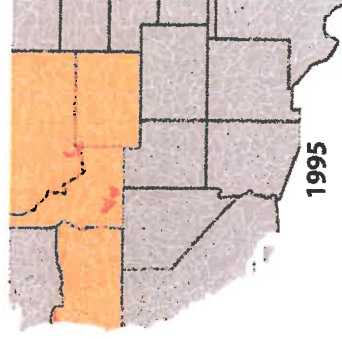


Mudsnails on the seam of a stream boot. Unintentional transport from one stream location to another by hitchhiking on waders or wading boots is one of the primary vectors for spreading New Zealand mudsnails. (Photo by Jane and Michael Liu.)

The biology, ecology, and distribution rate of the mudsnail suggest that many habitats are suitable for further expansion.

Mudsnail populations in the West are self-reproducing brooders; they clone themselves and retain the embryos inside their shell until they are large enough to release. Also known as parthenogenesis, this reproductive technique means that a single mudsnail can rapidly colonize a new location.

Mudsnails are easily transported to new habitats by field crews because the snails readily attach to or are wedged into the many cracks, crevices, and crannies presented by waders, boot soles, nets, buckets, and so on. New Zealand mudsnails can live for weeks in damp, cool conditions; can easily survive on field gear for long periods of time; and can be transferred to a new environment when that gear is reused.



Spread of the New Zealand mudsnail from 1995 to 2006 in the western U.S. New Zealand mudsnails have recently been found in parts of the Great Lakes region. (Map modified from D. L. Gustafson, <http://www.esg.montana.edu/aim/mollusca/nzms/>.)





*Mudsnails that have been passed through the intestinal tract of a fish. Almost half of the mudsnails survived this trip. (Photo by M. Vinson, <http://www.esg.montana.edu/aim/mollusca/nzms>)*

## PREVENTION

To prevent the survival of mudsnails on field clothing and equipment, you will need first to clean your field gear and then to treat it, using either the physical or chemical methods listed below. We recommend the following steps:

- 1 If possible, keep several changes of field gear for use in different bodies of water.
  - 2 Clean all gear before leaving a site (a stiff-bristled scrub brush or high-pressure water is the best tool for this task).
  - 3 Inspect gear before it is packed for transport. Visible traces of sand, mud, gravel, and plant fragments are signs that gear has not been properly scrubbed and mudsnails may have been retained.
  - 4 Select a treatment method in addition to physical cleaning.
    - Physical treatments are recommended over chemical treatments because they are usually less expensive, more environmentally sound, and possibly less destructive to gear. However, most physical methods require longer treatment times and often cannot be performed in the field.
    - Chemical treatments require a 5-minute soak in a special solution. After chemical treatment, gear must be rinsed thoroughly with tap water away from all bodies of water, and all soak solutions and rinse water must be properly disposed of.
- Remember: physical and chemical treatments are not a substitute for physically scrubbing and cleaning your gear.**

## PHYSICAL

Physical methods for cleaning gear are effective as well as environmentally sound. Use one of the following methods:

- Freeze your gear for a minimum of 4 hours to kill all mudsnails. Freezer temperatures should be at 26°F (-3°C) or below.
- Soak gear in a bath of hot water (at least 120°F, 46°C) for 5 minutes. This method is not advised for Gortex.
- Dry your gear before reuse. A drying time of at least 48 hours under low humidity is recommended to remove all pockets of dampness. Gear must be completely dry for a minimum of 24 hours. Check to ensure that boots are totally dry.

## CHEMICAL

Chemical solutions, at the concentrations below, also kill mudsnails but may not always result in 100% mortality.

Gear should be soaked in one of the following solutions for 5 minutes and then rinsed thoroughly with tap water, away from the water body. Store and dispose of solution and used rinse water properly.

- Benzethonium chloride (1, 940 mg/L)
- Commercial Solutions Formula 409® Cleaner Degreaser Disinfectant (50% dilution)
- Copper sulfate (252 mg/L copper ion)

These and other chemical treatments are constantly being evaluated.



*The toe of this rubber wader boot has cracked after being exposed to repeated applications of benzethonium chloride. (Photo by Robert Hosea.)*

*A worker filters the cleaning solution after removing wading gear. (Photo by Robert Hosea.)*



# Occurrences of New Zealand Mud Snail in Contra Costa County



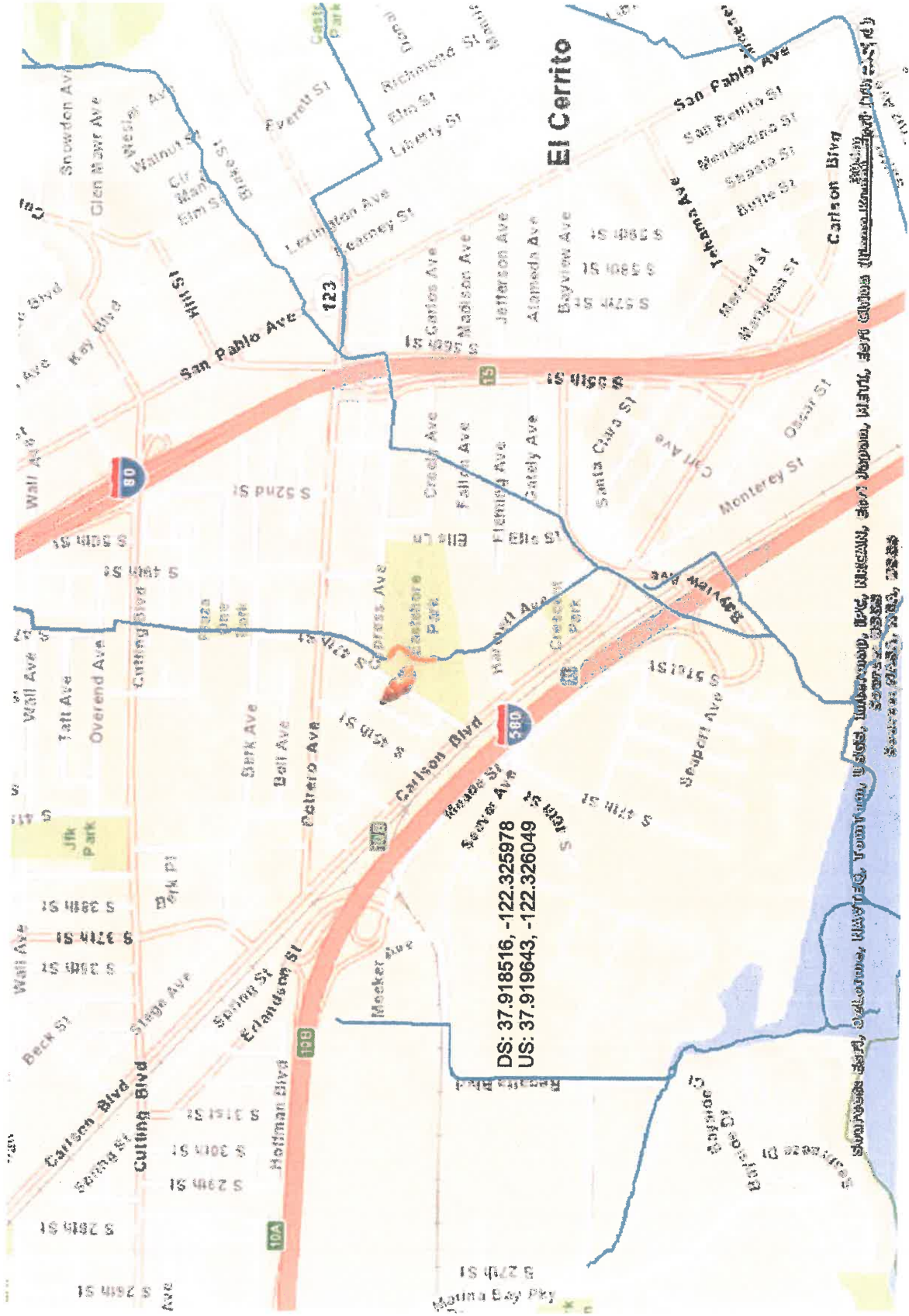
New Zealand Mud Snail Detection



Watershed Boundary

Note: Year given with a station was the first one in which the snails were first detected.

# Baxter Creek (BAX030), 2009



DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

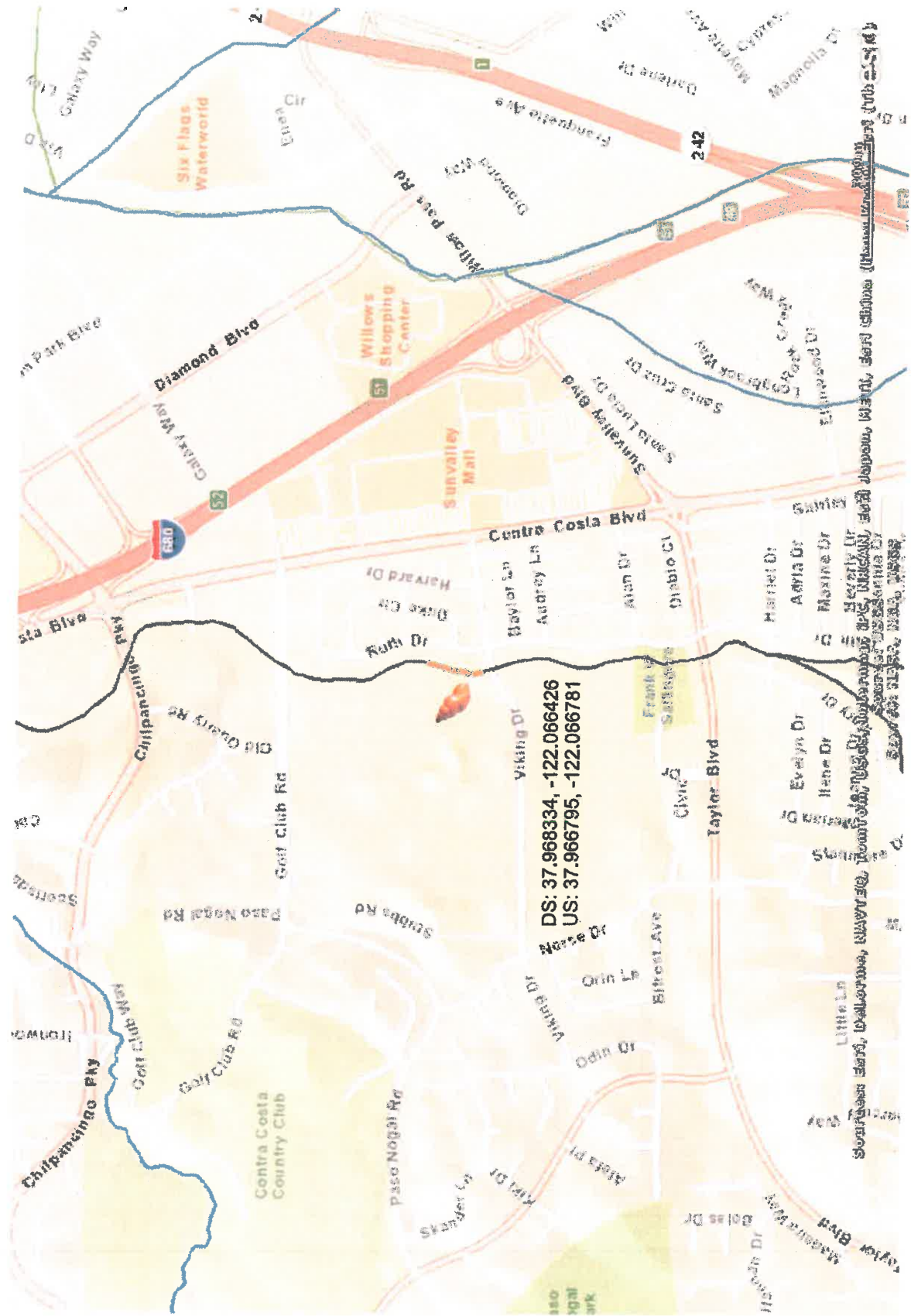
US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)

— Mud Snail Detection



# Grayson Creek (WAL050), 2011

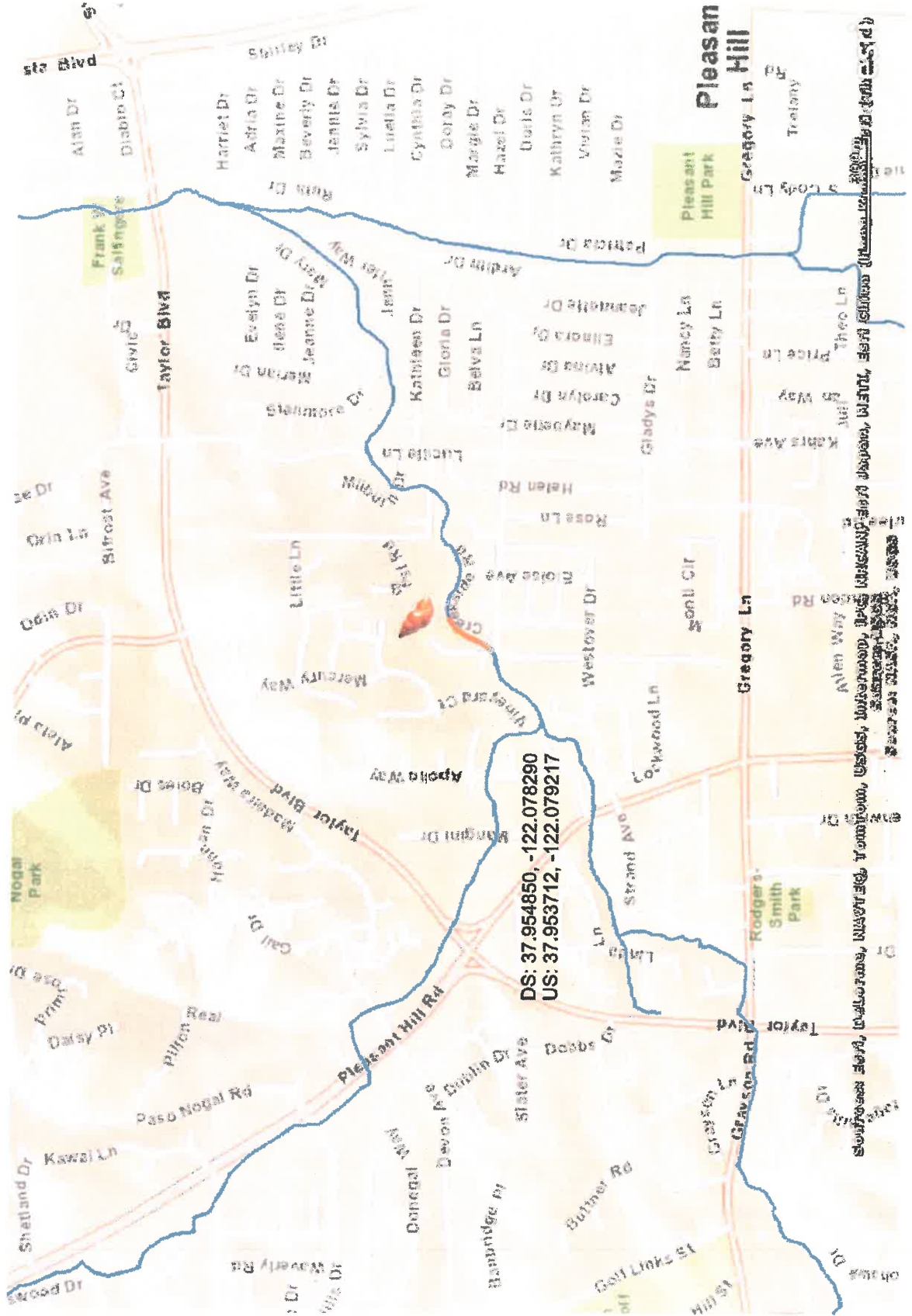


DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected. — Creek (Blue-Line data)

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected. — Mud Snail Detection

DS: 37.968334, -122.066426  
 US: 37.966795, -122.066781

# Grayson Creek (207R00011), 2012



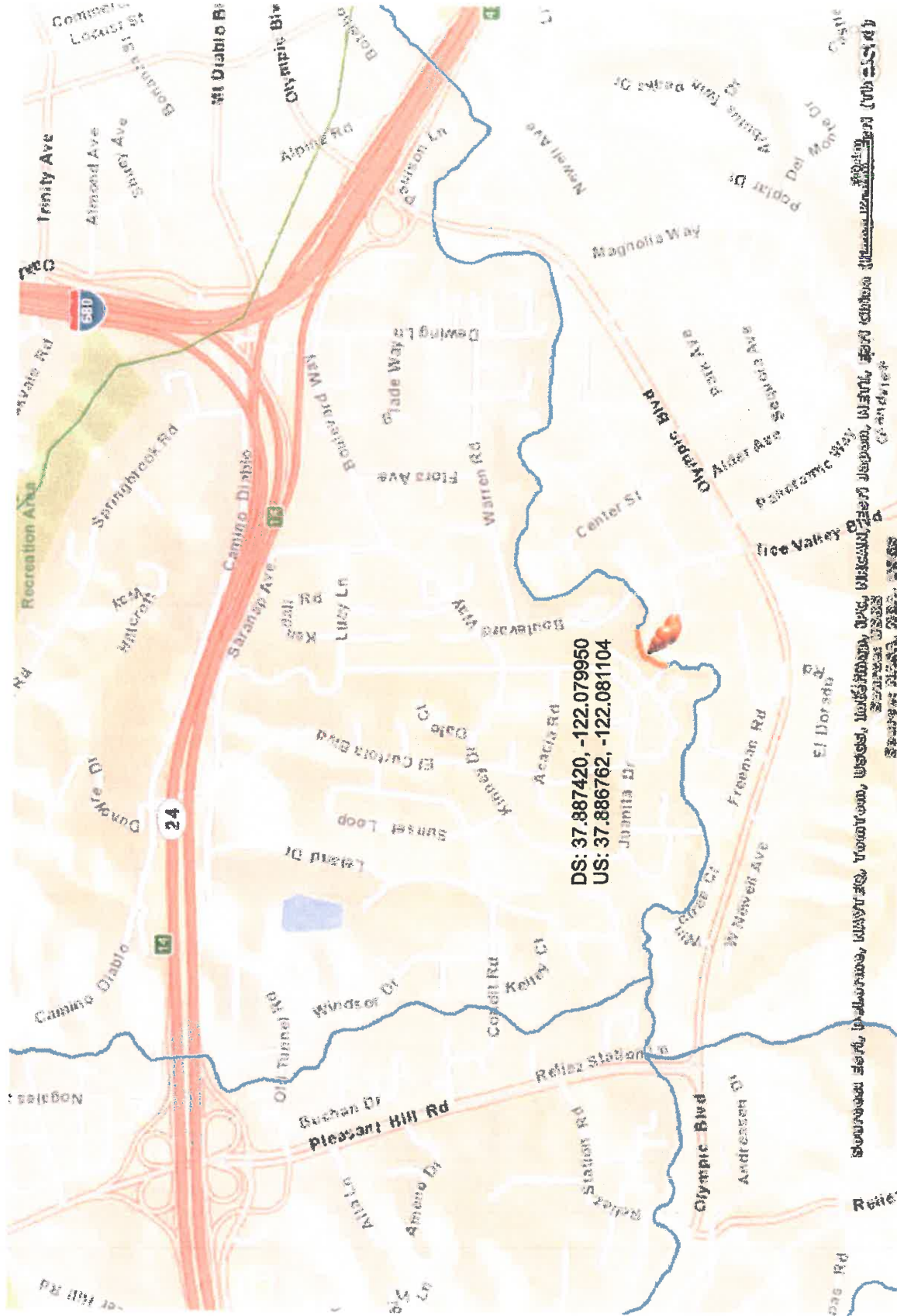
DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)

— Mud Snail Detection

# Las Trampas Creek (RMC139), 2012



DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

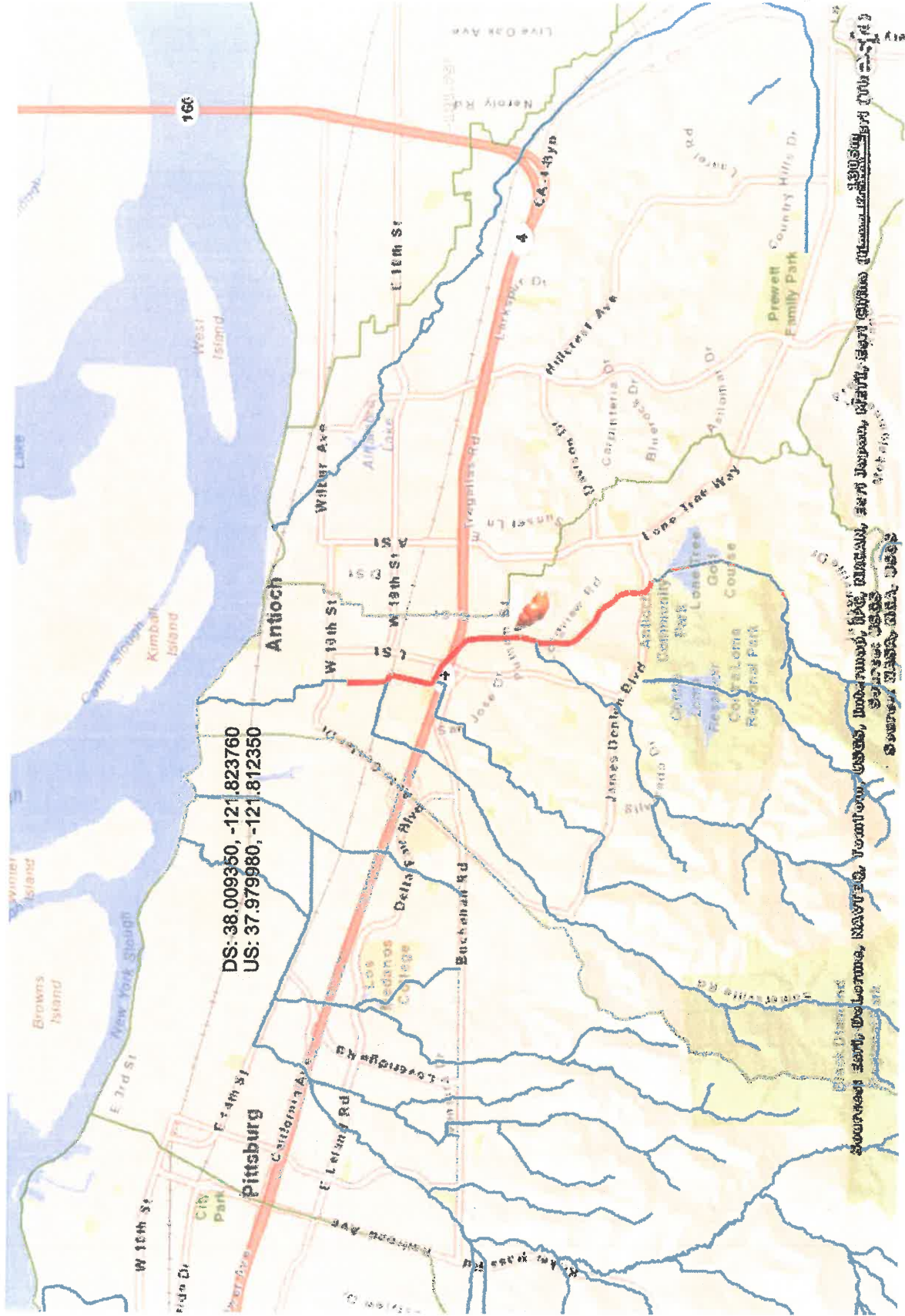
— Creek (Blue-Line data)

— Mud Snail Detection





# West Antioch (WAN080), 2008



DS: 38.009350, -121.823760  
 US: 37.979980, -121.812350


DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.  
 US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)  
 — Mud Snail Detection


Laura Hoffmeister

**From:** mailer@groupsite.com on behalf of Beth Baldwin via Contra Costa Clean Water Program (Groupsite) <mailer@groupsite.com>  
**Sent:** Thursday, June 05, 2014 11:25 AM  
**To:** Laura Hoffmeister  
**Subject:** Management Committee - New Sightings of the Invasive New Zealand Mud Snail

Management Committee  
Contra Costa Clean Water Program  
New Email Blast


 [Update your notification preferences](#)

**Think this email is off topic?**

 [Tell the Manager](#)



*Beth Baldwin wants you to know about the following*  
*(View [Beth Baldwin's profile](#))*

 [CWF\\_7-9-2014\\_Agenda.pdf](#)

**Dear Management Committee Members:**

The highly invasive New Zealand Mud Snail was discovered this past month in Mount Diablo Creek. As a result of this new sighting and other factors, the Contra Costa Watershed Forum will be holding a workshop on the mud snail and other invasive species followed by a site visit to a nearby creek to look for mud snails and review and practice decontamination procedures.

A similar email about this workshop will also be sent to the Monitoring Committee and Municipal Operations Committee.

Please contact Program staff members Beth Baldwin (925-313-2164) or Lucile Paquette (925-313-2373) if you have any questions.

Sincerely,

Beth A. Baldwin

Watershed Management Planning Specialist

Contra Costa Clean Water Program

255 Glacier Drive

Martinez, CA 94553

Tel: (925) 313-2164

E-mail: [bbald@pw.cccounty.us](mailto:bbald@pw.cccounty.us)

## Laura Hoffmeister

---

**From:** Mark Janney <mjanney@ci.clayton.ca.us>  
**Sent:** Wednesday, November 12, 2014 2:50 PM  
**To:** lhoffmeister@ci.clayton.ca.us  
**Subject:** RE: New Zealand Mud Snail

Laura

This information on the New Zealand Mud Snail has been relayed to the Maintenance Staff (full time and seasonal) and will be part of the ongoing education and training for working in the creeks. All contractors that work in the creeks for the City will be made aware of this information also before work starts. Mark

---

**From:** Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]  
**Sent:** Friday, June 27, 2014 12:58 PM  
**To:** [mjanney@ci.clayton.ca.us](mailto:mjanney@ci.clayton.ca.us); [jjohnston@ci.clayton.ca.us](mailto:jjohnston@ci.clayton.ca.us)  
**Subject:** FW: New Zealand Mud Snail  
**Importance:** High

Mark and John

Please be advised the New Zealand mud snail has arrived in Clayton in the Mt Diablo creek I think between the second and third bridge – the coordinates it has been logged into the USGS data base mapping is below (I think we are now the 4<sup>th</sup> location in County to have : Antioch (West Antioch Creek below Contra Loma) , Pleasant Hill (Grayson Creek), Walnut Creek (Sarnap area), and now Clayton – Mt Diablo Creek

**Mt. Diablo Creek, north of Clayton Library adjacent to public trail ( 37°56'44.26"N, 121°56'19.48"W )**

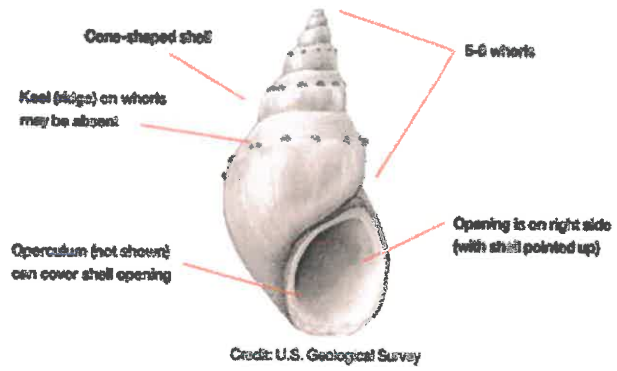
**Specimen ID:** 630844  
**Specimen Type:** New Zealand mudsnail  
**Description:** Mt. Diablo Creek, north of Clayton Library adjacent to public trail  
**State/Province:** CA  
**County:** Contra Costa  
**Year:** 2014  
[View Additional Data for this specimen](#)

We must ensure any activity in creeks we follow all decontamination procedures for clothing and equipment (including shovels, hand tools) etc.

The review of what the snails are need to be gone over again now, and done quarterly thereafter, and when ever a new employee arrives they need to be trained on what they look like and how to decontaminate etc – looks like the last time was in 2012

– just because it is in this one area the state believes it could be elsewhere it just happened that this was the location they took a water sample at. We are now on the monitoring radar screen for this





Laura

Here's a link for the USGS's mudsnail map:

<http://nas.er.usgs.gov/taxgroup/mollusks/newzealandmudsnaildistribution.aspx>.

**Standard General Specification Information for  
Road Repair and Construction Contracts**

**STORMWATER POLLUTION PREVENTION**

**Stormwater Protection for Construction Contracts**

**Stormwater Pollution Prevention for Sawcut Slurry**

**Fresh Concrete and Mortar Application**

**Painting and Application of Solvents and Adhesives**

**Pollution Prevention – It's Part of the Plan**

**RECYCLING OF CONSTRUCTION & DEMOLITION MATERIALS**

**C&D Waste Recovery and Disposal**

**Republic Services on site C&D services**

**C&D Waste Recovery Management Plan**

## **STORMWATER PROTECTION and STORM WATER POLLUTION CONTROL MEASURES for**

### **CITY OF CLAYTON**

#### **CONSTRUCTION CONTRACTS**

The attached following is being included in construction contracts awarded by City of Clayton. Its purpose is to provide detailed instructions to contractors to insure that construction practices do not cause pollutant discharges to the storm drain system. Businesses and institutions are encouraged to use this or similar language in their contracts as well. The language is based upon best management practices (BMPs) presented in the *California Storm Water Best Management Practice Handbook—Construction Activity* and the Regional Water Quality Control Board's (RWQCB's) *Erosion and Sediment Control Field Manual*.

The language was produced originally in 1994 by the City of Palo Alto where it was a companion to a new ordinance specifically prohibiting construction related discharges to storm drains and adding administrative penalty authority (fines). The language was revised in 2001 for circulation to member agencies of the Bay Area Storm Water Management Agencies Association.

The goal of these requirements is to prevent the pollution of storm water runoff from construction projects by keeping pollutants out of storm drains, reducing the exposure and discharge of materials and wastes to storm water, and by reducing erosion and sedimentation. Storm drains discharge runoff directly to creeks and the Bay without treatment. The City of Clayton is required under its stormwater discharge NPDES permit from the Regional Water Quality Control Board (RWQCB) to reduce pollutants in stormwater runoff from construction sites to the maximum extent practicable.

#### **A. General Requirements**

The following requirements shall be met on all projects for the City of Clayton. All contractors and subcontractors working on City of Clayton projects are required at a minimum to comply with the pollution control measures attached. Depending on the work scope the City Engineer may require additional BMP measures.

##### **1) Employee and Subcontractor Training and Awareness**

- a. The CONTRACTOR shall train all employees/subcontractors on the storm water pollution prevention requirements contained in these Specifications.
- b. The CONTRACTOR shall inform subcontractors of the storm water pollution prevention contract requirements and include appropriate subcontract provisions to ensure that these requirements are met.

c. The CONTRACTOR shall label new storm drain inlets, constructed as part of the project, with the “No Dumping Drains to Creek” message (to obtain a stencil or marker, contact the City of Clayton Maintenance staff).

## **2) Nonhazardous Material / Waste Management**

### **a. Designated Area**

The CONTRACTOR shall propose designated areas of the project site, for approval by the ENGINEER, suitable for material delivery, storage, and waste collection that are near construction entrances and away from storm drain inlets, gutters, drainage courses, and creeks.

### **b. Granular Material**

i) The CONTRACTOR shall store granular material at least ten feet away from storm drain inlet and curb returns.

ii) The CONTRACTOR shall not allow granular material to enter the storm drains or creeks.

iii) When rain is forecast within 24 hours or during wet weather, the ENGINEER may require the CONTRACTOR to cover granular material with a tarpaulin and to surround the material with sand bags.

### **c. Dust Control**

i) The CONTRACTOR shall use water to control dust on a daily basis or as directed by the ENGINEER.

### **d. Street Sweeping**

i) At the end of each working day or as directed by the ENGINEER, the CONTRACTOR shall clean and sweep roadways and on-site paved areas to remove all materials attributed to or involved in the work. The CONTRACTOR shall not use water to flush down streets in place of street sweeping.

### **e. Recycling**

i) The CONTRACTOR shall recycle aggregate base material, asphalt concrete, and Portland cement concrete.

ii) In addition, to the maximum extent practicable, the CONTRACTOR shall reuse or recycle any useful construction materials generated during the project.

#### **f. Disposal**

- i) At the end of each working day, the CONTRACTOR shall collect all scrap, debris, and waste material, and dispose of such materials properly.
- ii) The CONTRACTOR shall inspect dumpsters for leaks and contact trash hauling contractors to replace or repair dumpsters that leak.
- iii) The CONTRACTOR shall not discharge water on-site from cleaning dumpsters.
- iv) The CONTRACTOR shall arrange for regular waste collection before dumpsters overflow.

### **3) Hazardous Material / Waste Management**

#### **a. Storage**

- i) The CONTRACTOR shall label and store all hazardous materials, such as pesticides, paints, thinners, solvents, and fuels; and all hazardous wastes, such as waste oil, antifreeze and mercury containing devices such as thermostats and fluorescent light bulbs in accordance all applicable local, State and Federal regulations.
- ii) The CONTRACTOR shall store all hazardous materials and all hazardous wastes in accordance with secondary containment regulations, and it is recommended that these materials and wastes be covered, as needed, to avoid potential management of collected rainwater as a hazardous waste.
- iii) The CONTRACTOR shall keep an accurate, up-to-date inventory, including Material Safety Data Sheets (MSDSs), of hazardous materials and hazardous wastes stored on-site, to assist emergency response personnel in the event of a hazardous materials incident.

#### **b. Usage**

- i) When rain is forecast within 24 hours or during wet weather, the ENGINEER may prevent the CONTRACTOR from applying chemicals in outside areas.
- ii) The CONTRACTOR shall not over-apply pesticides or fertilizers and shall follow material manufacturers' instructions regarding uses, protective equipment, ventilation, flammability, and mixing of chemicals. Over-application of a pesticide constitutes a "label violation" subject to an enforcement action by your local County Agricultural Commissioner.

#### **c. Disposal**

- i) The CONTRACTOR shall arrange for regular hazardous waste collection to comply with time limits on storage of hazardous wastes.
- ii) The CONTRACTOR shall dispose of hazardous waste only at authorized and permitted Treatment, Storage, and Disposal Facilities, and use only licensed hazardous waste haulers to remove the waste off-

site, unless quantities to be transported are below applicable threshold limits for transportation specified in State and Federal regulations.

iii) If the CONTRACTOR qualifies as a "Conditionally Exempt Small Quantity Generator" as defined under State and Federal regulations then the CONTRACTOR may be able to dispose of this waste through a local sponsored small quantity generator program. Contact your local hazardous waste management agency for information on these programs.

#### **4) Spill Prevention and Control**

a. The CONTRACTOR shall keep a stockpile of spill cleanup materials, such as rags or absorbents, readily accessible on-site, and ensure that all employees know where these materials are and how to use them.

b. The CONTRACTOR shall immediately contain and prevent leaks and spills from entering storm drains, and properly clean up and dispose of the waste and cleanup materials. If the waste is hazardous, the CONTRACTOR shall handle the waste as described in section A.3.c above.

c. The CONTRACTOR shall not wash any spilled material into streets, gutters, storm drains, or creeks and shall not bury spilled hazardous materials.

d. The CONTRACTOR shall report any hazardous materials spill to the local fire department.

#### **B. Activity-Specific Requirements**

The following requirements shall be met on all projects for the City of Clayton that include the listed activities.

##### **1) Dewatering Operations**

###### **a. Sediment Control**

i) The CONTRACTOR shall route water through a control measure, such as a sediment trap, sediment basin, or Baker tank, to remove settleable solids prior to discharge to the storm drain system.

ii) Approval of the control measure shall be obtained in advance from the ENGINEER.

iii) Filtration of the water following the control measure may be required on a case-by-case basis.

iv) If the ENGINEER determines that the dewatering operation would not generate an appreciable amount of settleable solids, the control measure requirement in i) above may be waived.

v) The CONTRACTOR shall reuse water for other needs, such as dust control or irrigation, to the maximum extent practicable.

###### **b. Contaminated Groundwater**

i) If the project is within an area of known groundwater contamination, then water from dewatering operations shall be tested prior to discharge. If the water quality meets Regional Water Quality Control

Board (RWQCB) standards, then it may be discharged to the storm drain. If the water quality meets local sanitary sewer pretreatment regulations, then it may be discharged to the sanitary sewer with prior approval from the local wastewater management authority. Otherwise, the water shall be treated or hauled off-site for proper disposal.

ii) If the project is not within an area of known groundwater contamination, then monitoring shall only be required if directed by the ENGINEER. The CONTRACTOR shall follow section B.1.b.i above, if contamination is found.

iii) If the project is found to be within an area of groundwater contamination not identified in the project specifications, a change order shall be negotiated to cover additional work performed by the CONTRACTOR.

## **2) Paving Operations**

### **a. Project Site Management**

i) When rain is forecast within 24 hours or during wet weather, the ENGINEER may prevent the CONTRACTOR from paving.

ii) The ENGINEER may direct the CONTRACTOR to protect drainage courses by using control measures, such as earth dike, and sand bag, to divert runoff or trap and filter sediment.

iii) The CONTRACTOR shall place drip pans or absorbent material under paving equipment when not in use.

iv) The CONTRACTOR shall cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.

v) If the paving operation includes an on-site mixing plant, the CONTRACTOR shall comply with General Industrial Activities Storm Water Permit requirements.

### **b. Paving Waste Management**

i) The CONTRACTOR shall not sweep or wash down excess sand (placed as part of a sand seal or to absorb excess oil) into gutters, storm drains, or creeks. Instead, the CONTRACTOR shall either collect the sand and return it to the stockpile, or dispose of it in a trash container.

ii) The CONTRACTOR shall not use water to wash down asphalt or concrete pavement.

iii) Marking paint shall be removed from paving using dry methods such as a wire brush and vacuum. If water is used, all wastewater shall be collected and disposed of to a dirt area or to the sanitary sewer.

## **3) Saw Cutting**

a. During saw cutting, the CONTRACTOR shall cover or barricade storm drain inlets using control measures, such as filter fabric, straw bales, sand bags, and fine gravel dams, to keep slurry out of the



storm drain system. When protecting a storm drain inlet, the CONTRACTOR shall ensure that the entire opening is covered.

b. The CONTRACTOR shall shovel, absorb, or vacuum saw cut slurry and pick up the waste prior to moving to the next location or at the end of each working day, whichever is sooner.

c. If saw cut slurry enters storm drain inlets, the CONTRACTOR shall remove the slurry from the storm drain system immediately.

#### **4) Contaminated Soil Management**

a. On all projects involving grading or excavation, the CONTRACTOR shall look for contaminated soil as evidenced by site history, discoloration, odor, differences in soil properties, abandoned underground tanks or pipes, or buried debris. If the project is not within an area of known soil contamination and no evidence of soil contamination is found, then testing of the soil shall only be required if directed by the ENGINEER. The CONTRACTOR shall follow section B.4.b below, if contamination is found.

b. If the project is within an area of known soil contamination or evidence of soil contamination is found, then soil from grading or excavation operations shall be tested. The soil shall be managed as required by the local hazardous waste management agency.

c. If the project is found to be within an area of soil contamination not identified in the project specifications, a change order shall be negotiated to cover additional work performed by the CONTRACTOR.

#### **5) Concrete, Grout, and Mortar Waste Management**

a. The CONTRACTOR shall store concrete, grout, and mortar away from drainage areas and ensure that these materials do not enter the storm drain system.

##### **b. Concrete Truck/Equipment Wash Out**

i) The CONTRACTOR shall not wash out concrete trucks or equipment into streets, gutters, storm drains, or creeks.

ii) The CONTRACTOR shall perform washout of concrete trucks or equipment off-site or in a designated area on-site where the water will flow onto dirt or into a temporary pit in a dirt area. The CONTRACTOR shall let the water percolate into the soil and dispose of the hardened concrete in a trash container. If a suitable dirt area is not available, then the CONTRACTOR shall collect the wash water and remove it off-site.

##### **c. Exposed Aggregate Concrete Wash Water**

i) The CONTRACTOR shall avoid creating runoff by draining water from washing of exposed aggregate concrete to a dirt area to percolate and evaporate. If a suitable dirt area is not available, then the

CONTRACTOR shall filter the wash water or allow solids to settle out and pump the water to a sanitary sewer (first check with your local wastewater authority).

ii) The CONTRACTOR shall collect and return sweepings from exposed aggregate concrete to a stockpile or dispose of the waste in a trash container.

## **6) Painting**

### **a. Painting Cleanup**

#### **i) Designated Area**

(a) The CONTRACTOR shall conduct cleaning of painting equipment and tools in a designated area that will not allow run-on of storm water or runoff of spills.

(b) The CONTRACTOR shall not allow wash water from cleaning of painting equipment and tools to drain into streets, gutters, storm drains, or creeks.

#### **ii) Water-based Paint**

(a) The CONTRACTOR shall remove as much excess paint as possible from brushes, rollers, and equipment before starting cleanup.

(b) To the maximum extent practicable, the CONTRACTOR shall dispose of wash water from aqueous cleaning of equipment and tools to the sanitary sewer.

(c) Otherwise, the CONTRACTOR shall direct wash water onto dirt area and spade in.

#### **iii) Oil-based Paint**

(a) The CONTRACTOR shall remove as much excess paint as possible from brushes, rollers, and equipment before starting cleanup.

(b) To the maximum extent practicable, the CONTRACTOR shall filter paint thinner and solvents for reuse.

(c) The CONTRACTOR shall dispose of waste thinner and solvent, and sludge from cleaning of equipment and tools as hazardous waste, as described in section A.3.c above.

### **b. Painting Materials and Waste Management**

i) The CONTRACTOR shall store paint, solvents, chemicals, and waste materials in compliance with all applicable local, State and Federal regulations. The CONTRACTOR shall store these materials in a designated area that will not allow run-on of storm water or runoff of spills.

ii) The CONTRACTOR shall dispose of excess thinners, solvents, oil and water-based paint as hazardous waste.

iii) The CONTRACTOR shall dispose of dry, empty paint cans/buckets, old brushes, rollers, rags, and drop cloths in the trash.

#### **7) Earthwork**

a. The CONTRACTOR shall maximize the control of erosion and sediment by using the BMPs for erosion and sedimentation in the RWQCB's *Erosion and Sediment Control Field Manual*.

#### **8) Vehicle / Equipment Cleaning**

a. The CONTRACTOR shall not perform vehicle or equipment cleaning onsite or in the street using soaps, solvents, degreasers, steam cleaning equipment, or equivalent methods.

b. The CONTRACTOR shall perform vehicle or equipment cleaning offsite, or onsite with water only, in a designated, bermed area that will not allow rinse water to run off-site or into streets, gutters, storm drains, or

creeks.

#### **9) Vehicle / Equipment Maintenance and Fueling**

a. The CONTRACTOR shall perform maintenance and fueling of vehicles or equipment in a designated, bermed area or over a drip pan that will not allow run-on of storm water or runoff of spills.

b. The CONTRACTOR shall use secondary containment, such as a drip pan, to catch leaks or spills any time that vehicle or equipment fluids are dispensed, changed, or poured.

c. The CONTRACTOR shall keep a stockpile of spill cleanup materials, such as rags or absorbents, readily accessible on-site.

d. The CONTRACTOR shall clean up leaks and spills of vehicle or equipment fluids immediately and dispose of the waste and cleanup materials as hazardous waste, as described in section A.3.c above.

e. The CONTRACTOR shall not wash any spilled material into streets, gutters, storm drains, or creeks and shall not bury spilled hazardous materials.

f. The CONTRACTOR shall report any spill of vehicle fluids to City of Clayton.

g. The CONTRACTOR shall inspect vehicles and equipment arriving on-site for leaking fluids and shall promptly repair leaking vehicles and equipment. Drip pans shall be used to catch leaks until repairs are made.

h. The CONTRACTOR shall recycle waste oil and antifreeze.

i. The CONTRACTOR shall comply with local, State and Federal requirements for aboveground storage tanks.

## **RECYCLING OF CONSTRUCTION AND DEMOLITION MATERIALS**

The City of Clayton expects its contractors, as part of its bid, to consider the economic benefits of recycling construction and demolition materials. As such, the Contractor shall include, as part of its contract cost, the recycling of construction and demolition materials. At least 50% of job-site waste shall be diverted from landfills.

The names of local recyclers can be obtained from Certified Facility List attached. The City of Clayton has a franchise agreement that requires Republic Services to provide on-site collection and off haul or C&D or debris boxes, otherwise the contractor may direct haul himself to a certified facility. No other hauling services other than Republic Services shall be used.

Prior to the release of retention per the "Payments Withheld" section of these Special Provisions, the Contractor shall complete and submit the "Construction and Demolition Debris Recycling Waste Management Plan" contained in the appendices. The Contractor must disclose in Section II of the form how the 50% waste diversion was achieved. Adequate evidence must include official weight tags, receipts, or similar documentation from the facility receiving the waste for recycling.

This brochure is one of a series of pamphlets describing storm drain protection measures for specific types of construction industry activities. Other pamphlets include:

- **General Construction and Site Supervision**
- **Landscaping, Gardening and Pool Maintenance**
- **Fresh Concrete and Mortar Application**
- **Roadwork and Paving**
- **Earth Moving Activities**
- **Heavy Equipment Operation**
- **Painting and Application of Solvents and Adhesives**
- **Dewatering Activities**
- **Home Repair and Remodeling**



*BASMAA gratefully acknowledges the City of Palo Alto and Alameda Countywide Clean Water Program for the original concept and text of this brochure.*

For more information from countywide storm drain protection programs, and additional brochures, contact the stormwater program in your area (listed below) or by calling 1-888-BAYWISE.

**Local Stormwater Quality Management Programs**

Alameda Countywide Clean Water Program  
951 Turner Court, Hayward, CA 94545  
510-670-5543

Contra Costa Clean Water Program  
255 Glacier Drive, Martinez, CA 94553-4897  
925-313-2360

Fairfield-Suisun Urban Runoff Management Program  
1010 Chadbourne Road, Fairfield, CA 94585  
707-429-8930

Marin County Stormwater Pollution Prevention Program  
P. O. Box 4186  
San Rafael, CA 94913  
415-499-6528

San Mateo Countywide Stormwater Pollution Prevention Program  
555 County Center  
Redwood City, CA 94063  
650-599-1406

Santa Clara Valley Urban Runoff Pollution Prevention Program  
699 Town & Country Village  
Sunnyvale, CA 94086  
800-794-2482

Vallejo Sanitation and Flood Control District  
450 Ryder Street, Vallejo, CA 94590  
707-644-8949

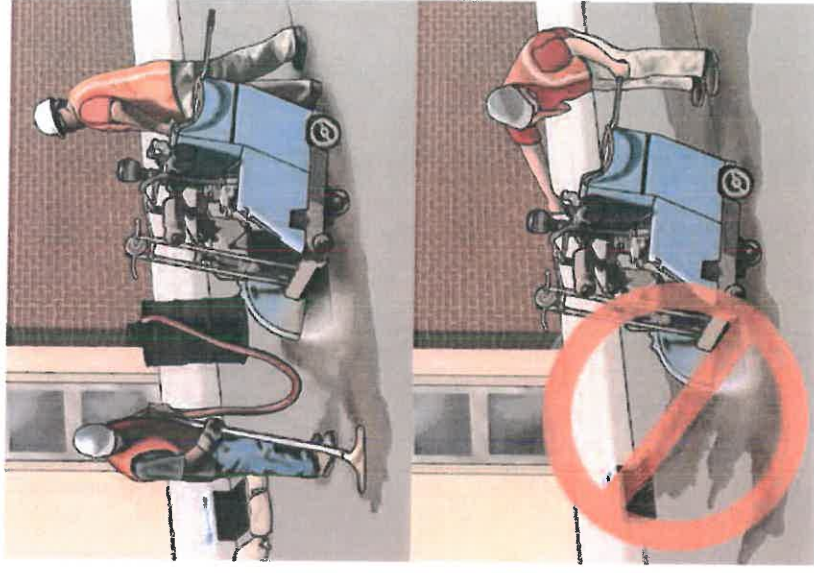
Bay Area Stormwater Management Agencies Association (BASMAA)  
1515 Clay Street, Suite 1400  
Oakland CA 94612  
510-622-2326 or 1-888-BAYWISE

**State Agencies**

California Regional Water Quality Control Board  
San Francisco Bay Region (510) 622-2300

Department of Toxic Substances (for questions about hazardous waste, call the Public and Business Liaison Hotline, Regional Duty Officers at (800) 728-6942 or (800) 727TOXIC)

# Storm Water Pollution Prevention for Sawcut Slurry



**Best Management Practices for the  
Construction Industry**

## **Why is Sawcut Slurry a Problem?**

The slurry created when pavement is cut can enter storm drains and flow directly to local waterways. This slurry can be toxic to wildlife in a local creek, the creek, bay or ocean. It can also clog drains and cause flooding.

**CAUTION:** *If sawcut slurry from your job enters a storm drain, you have broken the law!*

Allowing slurry or other pollutants to enter a storm drain, or directly to a waterway, is a violation of local, state, and federal regulations. Violators are subject to fines and cleanup costs.

*By following this three-step procedure when saw cutting you can protect the storm drain system, help environment, and avoid fines.*

### **Minimize and Contain Slurry**

Before you begin saw cutting, block the path to the nearest storm drain by placing sand bags (or equivalent) in the gutter or around the storm drain inlet. If you can lift the grate over the drain, place filter fabric underneath.

Even if the nearest drain is several blocks away, place a barrier in the gutter as near your site as practical to contain the slurry.

Use as little water as possible, to reduce the amount of slurry you must collect.

Barricade area where slurry is drying to prevent tracking by cars and foot traffic.

### **Collect Slurry**

Clean up slurry with a wet vac as you work. Where wet slurry cannot be vacuumed, allow it to dry and then sweep up with a stiff broom at the end of the day.

### **Dispose of Slurry**

Empty wet slurry into a well-contained area (where it will not run off into a gutter, street, or creek) and allow it to dry. A small amount of slurry may be mixed with dirt and left on the construction site. Where this is not possible, sweep up the dry slurry and dispose in the trash.



### Small Business Hazardous Waste Disposal Program

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month (known as Conditionally Exempt Small Quantity Generators) can often take advantage of a county-wide small business hazardous waste disposal program. Call your local stormwater program (see numbers listed below,) county health department, or local fire department for more information

### Local Stormwater Quality Management Programs

Alameda Countywide Clean Water Program  
951 Turner Court, Hayward, CA 94545  
510-670-5543

Contra Costa Clean Water Program  
255 Glacier Drive, Martinez, CA 94553-4897  
925-313-2360

Fairfield-Suisun Urban Runoff Management Program  
1010 Chadbourne Road, Fairfield, CA 94585  
707-429-8930

Marin County Stormwater Pollution Prevention Program  
P. O. Box 4186  
San Rafael, CA 94913  
415-499-6528

San Mateo Countywide Stormwater Pollution Prevention Program  
555 County Center  
Redwood City, CA 94063  
650-599-1406

Santa Clara Valley Urban Runoff Pollution Prevention Program  
699 Town & Country Village  
Sunnyvale, CA 94086  
800-794-2482

Vallejo Sanitation and Flood Control District  
450 Ryder Street, Vallejo, CA 94590  
707-644-8949

Bay Area Stormwater Management Agencies Association (BASMAA)  
1515 Clay Street, Suite 1400  
Oakland CA 94612  
510-622-2326 or 1-888-BAYWISE

### State Agencies

California Regional Water Quality Control Board  
San Francisco Bay Region (510) 622-2300

Department of Toxic Substances (for questions about hazardous waste, call the Public and Business Liaison Hotline, Regional Duty Officers at (800) 728-6942 or (800) 72TOXIC

**B A S M A A**



### TO LEARN MORE CALL 1-888-BAYWISE

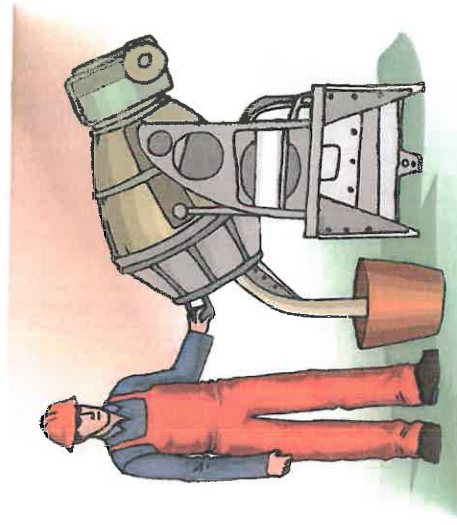
*BASMAA gratefully acknowledges the Santa Clara Valley Urban Runoff Pollution Prevention Program for the original concept and text of this brochure.*

July 2002

June 2001

# Fresh Concrete and Mortar

## Best Management Practices for the Construction Industry



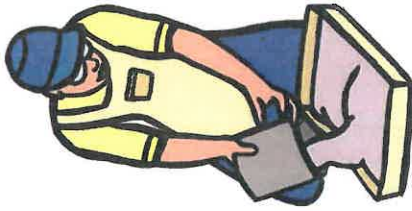
### Who should use this brochure?

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers



# Preventing Pollution: It's Up to Us

In the San Francisco Bay Area, storm drains transport water directly to local creeks and the Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.



## Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

### *During Construction*

- Don't mix up more fresh concrete or cement than you will use in a two-hour period.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.
- When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a landfill.
- Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never dispose of washout into the street, storm drains, drainage ditches, or streams.

## Doing the Job Right

### *General Business Practices*

- Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- Wash out chutes onto dirt areas at site that do not flow to streets or drains.
- Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.



### **Small Business Hazardous Waste Disposal Program**

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month (known as Conditionally Exempt Small Quantity Generators) can often take advantage of a county-wide small business hazardous waste disposal program. Call your local stormwater program (see numbers listed below,) county health department, or local fire department for more information

### **Local Stormwater Quality Management Programs**

Alameda Countywide Clean Water Program  
951 Turner Court, Hayward, CA 94545  
510-670-5543

Contra Costa Clean Water Program  
255 Glacier Drive, Martinez, CA 94553-4897  
925-313-2360

Fairfield-Suisun Urban Runoff Management Program  
1010 Chadbourne Road, Fairfield, CA 94585  
707-429-8930

Marin County Stormwater Pollution Prevention Program  
P. O. Box 4186  
San Rafael, CA 94913  
415-499-6528

San Mateo Countywide Stormwater Pollution Prevention Program  
555 County Center  
Redwood City, CA 94063  
650-599-1406

Santa Clara Valley Urban Runoff Pollution Prevention Program  
699 Town & Country Village  
Sunnyvale, CA 94086  
800-794-2482

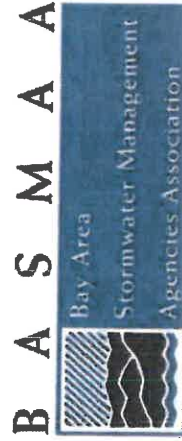
Vallejo Sanitation and Flood Control District  
450 Ryder Street, Vallejo, CA 94590  
707-644-8949

Bay Area Stormwater Management Agencies Association (BASMAA)  
1515 Clay Street, Suite 1400  
Oakland CA 94612  
510-622-2326 or 1-888-BAYWISE

### **State Agencies**

California Regional Water Quality Control Board  
San Francisco Bay Region (510) 622-2300

Department of Toxic Substances (for questions about hazardous waste, call the Public and Business Liaison Hotline, Regional Duty Officers at (800) 728-6942 or (800) 72TOXIC



### **TO LEARN MORE CALL 1-888-BAYWISE**

*BASMAA gratefully acknowledges the Santa Clara Valley Urban Runoff Pollution Prevention Program for the original concept and text of this brochure.*

# **Painting and Applications of Solvents and Adhesives**

*Best Management Practices for the Construction Industry*

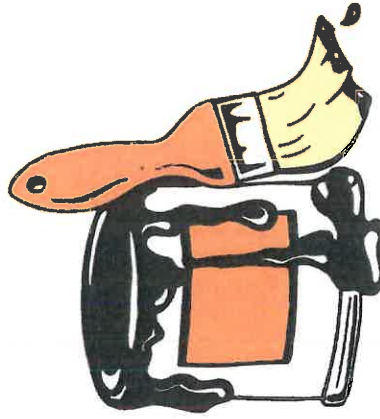


### **Who should use this brochure?**

- Painters
- Homeowners
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

# Preventing Pollution: It's Up to Us

In the San Francisco Bay Area, storm drains transport water directly to local creeks and the Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.



## Storm Drain Pollution from Paints, Solvents, and Adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint material and wastes, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

## Doing the Job Right Handling Paint Products

- Keep all liquid paint products and wastes away from the gutter, street, and storm drains.** Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of at a hazardous waste collection facility (contact 1-888-BAYWISE for more information).
- When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Empty, dry paint cans also may be recycled as metal.

## Recycle/Reuse Leftover Paints Whenever Possible.

- Recycle or donate excess **water-based (latex) paint**, or return to supplier.
- Reuse leftover **oil-based paint**. Dispose of non-recyclable thinners, sludge and unwanted paint, as hazardous waste.
- Unopened cans of paint may be able to be returned to the paint vendor. Check with the vendor regarding its "buy-back" policy.
- To locate local paint recycling facilities call 1-800-CLEANUP or go to [www.cleanup.org](http://www.cleanup.org)

## Painting Cleanup

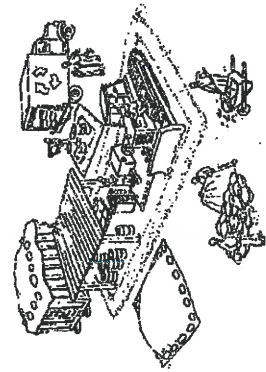
- Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or stream.
- For **water-based paints**, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- For **oil-based paints**, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

## Paint Removal and Building Cleaning

- Paint chips and dust from non-hazardous dry stripping and sand blasting** may be swept up or collected in plastic drop cloths and disposed of as trash.
- Chemical paint stripping residue** and chips and dust from **marine paints or paints containing lead, mercury or tributyl tin** must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
- Wash water from painted buildings constructed before 1978 can contain high amounts of lead, even without paint chips. Before you begin pressure washing or stripping pre-1978 building exteriors, test paint for lead by taking paint scrapings to a local laboratory. See Yellow Pages for a state-certified laboratory.
- When stripping or cleaning **building exteriors** with high-pressure water, block storm drains. Direct wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist the wastewater treatment authority in making its decision.



# Pollution Prevention — It's Part of the Plan



## Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements.

### Materials storage & spill cleanup

- ✓ **Non-hazardous materials management**
- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) recycled water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water.
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

### Hazardous materials management

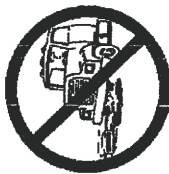
- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

### Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Dial 911 or your local emergency response number.

### Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a designated area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a designated area that will not allow washwater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



### Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are necessary, obtain a permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Regional Water Quality Control Board or local hazardous waste management agency for help in determining what testing should be done, and manage disposal of contaminated soil according to their instructions.

### Dewatering operations

- ✓ Route water for dust control, irrigation, or another useful purpose to the greatest extent possible.
- ✓ Be sure to call your city's storm drain inspector before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



### Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin filter filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.



### Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing. Waste water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.

- ✓ Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.

- ✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

### Paving/asphalt work

- ✓ Do not pave during wet weather or when rain is forecast.
- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Place drip pans or absorbent material under paving equipment when not in use.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.



### Painting

- ✓ Never rinse paint brushes or materials in a gutter or street.
- ✓ Paint out excess water-based paint before using brushes, rollers, or containers. If you can't use a sink, direct wash water to a dirt area and scrape it in.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



# City of Clayton C&D Waste Recovery and Disposal

## Certified Facility List

(\*Provisional authorization indicates on-site inspection of facility still required before final certification)

### Disposal Facilities

#### **Bio Fuel Systems**

30 Greenville Road, Livermore.....**925-455-5808**  
*Clean wood, green waste, tree stumps, and shingles (no tar paper).*

#### **County Quarry Products (Provisional)**

5501 Imhoff Rd, Martinez ..... **925-682-0707**  
*Concrete, asphalt, and dirt.*

#### **GreenWaste Recovery Facility**

625 Charles Street, San José .....**408-283-4800**  
*C&D materials accepted from GT Waste, Green waste Recovery*

#### **Newby Island Landfill**

1601 Dixon Landing Road, San José ..**408-262-1401**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, carpet, green waste, and block foam.*

#### **Zanker Materials Processing Facility**

675 Los Esteros Road, San José.....**408-263-2384**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Contra Costa Transfer/Recovery Facility**

951 Waterbird Way, Martinez ..... **925-458-9800**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Acme Fill Corporation (Provisional)**

950 waterbird way, Martinez ..... **925-228-7099**  
*Separated metal, wood, soil, and mixed C&D Loads*

#### **Contra Costa Recycling Center & Transfer**

1300 Loveridge Rd, Pittsburg ..... **925-473-0180**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Davis Street Station for Material Recycling**

2615 Davis St, San Leandro ..... **510-563-4257**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Vasco Rd Landfill & Recycling Center**

4001 N. Vasco Rd, Livermore ..... **925-447-0491**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Hay Road Compost Facility/Landfill**

6426 Hay Road, Vacaville ..... **707-678-4718**  
*Clean wood, green waste, tree stumps*

#### **Organic Solutions (Provisional)**

1460 Goodyear rd, Benicia .... **707-751-0467**  
*Green waste, wood waste*

#### **Potrero Hills Compost Facility (Provisional)**

Potrero Hills Lane, Suisun City .... **707-429-9600**  
*C&D materials accepted from GT Waste, Green waste Recovery*

#### **Pleasanton Transfer/Recovery Facility**

3110 Busch rd, Pleasanton.....**925-848-2042**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Sonoma Transfer/Recovery Facility**

4376 Stage Gulch Road, Sonoma ....**707-565-7940**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Woodmill Recycling Company (Provisional)**

5595 Byron Hot Springs Rd  
Byron, CA 94514  
*Green waste, wood waste, Concrete, asphalt, and dirt.*

#### **Diablo Valley Rock (Provisional)**

925 Waterbird Way,  
Martinez, Ca 94553 ..... **925-228-1118**

#### **M&M Services, Inc.**

580 Caletti Ave.  
Windsor, CA 94592 .... **877-698-8473**  
*Green waste, wood waste, Concrete, asphalt, and dirt.*

### Job Site Collection

City of Clayton has franchise  
agreement that requires on site  
use of Republic Services for C&D  
Waste Recovery and Disposal





# One-Stop Construction & Demolition Recycle Ordinance Compliance Made Easy

951 Waterbird Way  
Martinez, CA 94553  
(925) 313-8900

## Open to the Public

Hours: 7 a.m. to 5 p.m. Daily

Except Easter, Thanksgiving, Christmas Day and New Year's Day

### Directions:

From Benicia, take I-680 South over Benicia Bridge, take Marina Vista exit, go right, then right on Waterbird Way;

From Walnut Creek, take I-680 North, take Marina Vista exit, go right, then right on Waterbird Way;

From Antioch, take Highway 4 West, then I-680 North, take Marina Vista exit, go right, then right on Waterbird Way.

## We Provide Proof of Recycling

Many communities have enacted local construction and demolition (C&D) recycle ordinances and require proof that your material has been recycled. **Contra Costa Transfer & Recovery** can provide you with the documentation you need to comply. Here's all you need to do:

**Step #1** Make sure your load has a minimum of 50% recycle material mixed with trash or a 100% clean (no trash) single source load. See information below.

**Step #2** Tell the scale house operator you need "Construction and Demolition Recycle Ordinance" on your weight ticket.

**Step #3** Your weight ticket will be your receipt to comply with local C&D recycle ordinances.

It's that easy!!

## Mixed Construction & Demolition Loads

Up to half (50%) of the load can be trash. However, at least 50% of the load **MUST** contain a combination of the following recycle materials:

- Cardboard – no wax-coated materials
- Carpet padding
- Lumber – dimensional lumber, lumber cutoffs, plywood, particleboard, wood scraps, pallets, fencing siding, cabinets
- Shake roofing
- Metals (ferrous and nonferrous) – metal doors, office furniture, fixtures, and framing, appliances, heaters, refrigerators, freezers, washers, dryers, air conditioners and any other scrap metal flashing. All Freon must be removed. There will be an extra charge for Freon removal.
- Sheetrock, drywall, plasterboard, wallboard
- Yard waste – branches and trees, lawn clippings, brush, prunings
- Painted wood

**UNACCEPTABLE MATERIAL** includes liquids, heavy steel plates, concrete, asphalt, rock, concrete tile roofing, creosote treated wood (railroad ties, telephone poles, pressure treated wood), hazardous waste including computer monitors and televisions.

## Source Separated Construction and Demolition Loads

You can bring a clean load of only metal, wood, lumber or green waste. The load must contain 100% of only one of these materials and contain **NO** garbage.

# We Help You Recycle Construction and Demolition Debris

Allied Waste Services has the expertise and services that make it easier for builders and contractors to comply with laws that regulate the recycling and diversion of construction and demolition (C&D) debris from landfills.

## Complying with Regulations

Allied Waste Service's staff will help you deal with the different rules and regulations in the communities where you do business and make recycling construction and demolition debris easier for you.

We can help your company cut through the red tape and paperwork and make sure you receive your proper documentation and what you deliver to us meets all local regulations. Call (925) 603-1383 with any questions.

## Single-Source, Separated Debris: Lower Rates

Customers can save by delivering single-source loads. These loads must contain only one kind of recyclable material. No garbage of any kind is allowed.

To create single-source loads and qualify for lower rates, customers must separate debris and construction material and place each type of material in individual debris boxes, i.e., a debris box for wood, another for metal, another for concrete and so on.

The following are accepted for single-source loads:

- Asphalt
- Concrete
- Dirt
- Green waste
- Metals (ferrous and nonferrous)
- Lumber
- Paper and cardboard
- Wood

Please note: Contaminated debris boxes will be treated as garbage and charged at standard garbage rates. Call (925) 603-1383 for details and information

about the debris you are planning to recycle with Allied Waste Services.

## Commingled Loads

To comply with local construction and demolition debris ordinances, customers must fill 50 percent or more of their debris boxes with recyclable materials. Recyclables can be any or a combination of the following:

- Cardboard
- Carpet padding
- Green waste
- Lumber and wood, including painted wood
- Metals
- Shake roofing
- Sheetrock, drywall, plasterboard, wallboard
- Small pieces and quantities of asphalt paving, concrete and rocks

Unacceptable materials in mixed loads include liquids, heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood), hazardous wastes, including computer monitors and televisions.

## Debris Box Service

To order a debris box and for more information about recycling construction and demolition debris, call us at (925) 603-1383.

RESORTED  
FIRST-CLASS  
U.S. POSTAGE PMD  
PERMIT NO. 122  
PLEASANT HILL, CA

ALLIED WASTE SERVICES  
441 N. Buchanan Circle  
Pacifica, CA 94553  
<http://awscoc.com>



# RECYCLE CONSTRUCTION & DEMOLITION DEBRIS



(925) 603-1383

Printed on Recycled Paper



# Recycling Options



### Asphalt Paving (and Roofing)

Black or brown, tar-like material mixed with aggregate used as a paving material. Also composite shingles or other roofing material made with asphalt. (Prefer 2 ft. x 2 ft. x 1 ft. pieces.) No bricks.



### Drywall (Gypsum Board)

Interior wall covering made of a sheet of gypsum sandwiched between paper layers. Gypsum board may be called sheetrock, drywall, plasterboard, gyproc, gyprec or wallboard. Must be clean. No wire meshing, paper or cardboard.



### Soil and Fines

Soil, dirt, and other matter. Examples: sand, clay, soil and other fines. No rocks, sod or concrete.



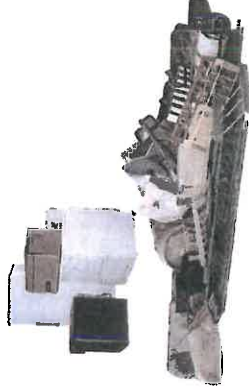
### Cardboard

Corrugated cardboard boxes. No wax-coated materials.



### Carpet Padding

Used carpet padding and remnants of padding from newly installed carpeting.



### Metals

All ferrous and non-ferrous metals. Office furniture and fixtures, metal doors and framing, appliances, including heaters, freezers, refrigerators and air conditioners (additional fee required).



### Lumber

Processed wood for building, manufacturing, landscaping, packaging and from demolition including lumber cutoffs, plywood and particleboard, wood scraps, pellets, fencing, shake roofing, siding. No composite or lead-based paint. Nails OK.



### Concrete

Material made from sand, aggregate gravel, cement mix and water, including pieces of building foundations, concrete paving, and concrete blocks. (Prefer 2 ft. x 2 ft. x 1 ft. pieces; small amount of rebar OK.)



### Rocks

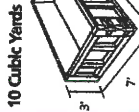
Stores and rocks of any size and shape including pebbles. No bricks. No sandstone.



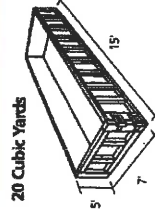
### Yard Waste

Lawn clippings, shrubbery, plants and prunings only. No stumps or large branches and no contaminants including plastic bags, food, rocks, dirt or pet waste.

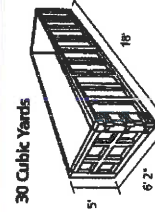
### DEBRIS BOX SIZES



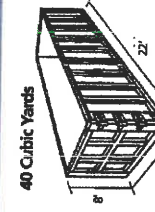
10 Cubic Yards



20 Cubic Yards



30 Cubic Yards



40 Cubic Yards

### Guidelines

Commingle construction and recycle debris in 20', 30- or 40-cubic-yard boxes.

Heavy-weight materials should be placed in 10-cu-

- bic-yard boxes. Heavy-weight materials include:
- Asphalt
  - Concrete
  - Dirt
  - Rock
  - Sod



6000 Heritage Trail  
Clayton, CA 94517  
925-673-7340

# CLAYTON CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING WASTE MANAGEMENT PLAN (WMP)

*For City Use Only*  
Project No. \_\_\_\_\_

Approved  
 Waived  
 Not Approved

Staff Initials: \_\_\_\_\_

Receipt # \_\_\_\_\_

Date: \_\_\_\_\_

**Clayton C&D Recycling Ordinance requires at least 50% diversion of job-site waste materials from the landfill. (Ord. No. 389: Jan. 6, 2006)**

Please answer the following:

1.

Property Owner Name/Ph.#	
Job-site Address:	
Name of Project Manager:	
Address:	
Phone Number:	
Cellular Phone Number:	
Fax Number:	

- Identify the type of materials to be recycled, salvaged or disposed from the job-site in **Section I** of the waste assessment table on the back of this page.
- Identify how materials will be handled, who will haul materials or what facility materials will be going to in **Section I** of the waste assessment table on the back of this page.
- Section II** is to be filled out with supporting documentation upon completion of project.
- Briefly state how materials will be sorted for recycling and/or salvage on the job site.

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- Will this project require the use of sub-contractors?  Yes  No  
If yes, briefly state how you plan to inform and ensure participation by the sub-contractors of your job-site recycling and waste management responsibility.

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**SECTION I. BEFORE START OF PROJECT:** Identify the materials that you estimate will be recycled, salvaged or landfilled. Identify the handling procedure, hauler and/or destination of each material type.

**SECTION II. UPON COMPLETION OF PROJECT:** Indicate the material **types and quantities** recycled, salvaged or disposed from this job-site. Official weight tags must be submitted with this completed report identifying 1) job site address, 2) weight of load(s), 3) material type(s) and 4) if materials were recycled, salvaged or disposed. Submit completed form with receipts/tags to City of Clayton Community Development Department.

Material Type	Section I Identify materials (✓) (Est. amount by weight - optional)			Handling procedure, hauler or final destination of materials	Section II Quantity of each material (by weight) (To be filled out at completion of project)			City use only Acceptable weight tag (staff initials)
	Recycle	Salvage	Landfill		Recycled	Salvaged	Landfilled	
Asphalt & Concrete								
Brick, Tile								
Building materials-doors, windows, fixtures, cabinets								
Cardboard								
Dirt/Clean Fill								
Drywall								
Carpet padding/ Foam								
Plate/window Glass								
Scrap Metals (steel, aluminum, brass, copper, etc.)								
Unpainted Wood & Pallets								
Yard Trimmings (brush, trees, stumps, etc.)								
Other:								
Garbage								

If no materials are targeted for recycling or salvage, please state why: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Contractor's Signature / Date \_\_\_\_\_ Property Owner's Signature/Date \_\_\_\_\_

City Use Only: Recycling meets 50% minimum - (Amount \_\_\_\_\_ %) Yes  No  Staff Initials: \_\_\_\_\_ Date: \_\_\_\_\_

Refund: Yes  No  Refund Amount: \_\_\_\_\_ Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Authorized By: \_\_\_\_\_ Date: \_\_\_\_\_ Vendor #: \_\_\_\_\_

Account # \_\_\_\_\_

City Manager Approval \_\_\_\_\_





6000 Heritage Trail  
Clayton, CA 94517  
925-673-7340

### **How to complete a Waste Management Plan**

Download the Waste Management Plan (WMP) you need to submit prior to receiving your permit. Below are the general guidelines for the WMP process:

To receive your building permit:

- o Complete Page 1 and Section I of the **WMP**
- o Contract and Property Owner's signatures are required
- o Submit the **WMP** to the permit desk or directly to the WMP Compliance Official
- o Once the submitted **WMP** is approved, your permit will be issued
- o A copy of your approved **WMP** will be returned to you with your building permit

While on the Job:

- o Keep records of all material reused, recycled or landfilled from the site
- o Official weight tags will need to be submitted with the final WMP prior to a final inspection
- o Official weight tags must contain the following information:
  1. Job site address
  2. Weight of load
  3. Material types
  4. If the materials were recycled, salvaged or disposed

**Prior** to scheduling your **Final Inspection**:

- o Complete Section II of the **WMP**
- o Submit the final **WMP** and all applicable documentation to the **City of Clayton Planning Dept. at least 3 business days before you want your final inspection** for approval.

Once your final **WMP** is approved, a final inspection can be scheduled with the Building Division of Contra Costa County, who conducts building inspections for the City of Clayton.

In order to get a building permit on qualifying projects, you will need to complete the attached Waste Management Plan (WMP), submit it along with your deposit fee to the City of Clayton Community Development Department when you submit your construction plans for city planning /zoning review.

- o Contact Laura Hoffmeister, Asst. to the City Manager, via email at [LHoffmeister@ci.clayton.ca.us](mailto:LHoffmeister@ci.clayton.ca.us); or by calling (925) 673-7308 if you need any assistance or have questions.

### **How can I estimate the amount of C&D debris material on my project?**

Attached are conversion tables and generation rates that can be used for making your calculations.

### **How do I get the debris to a salvage or recycling facility?**

If you will be hauling your C&D debris to a salvage or recycling facility, **call ahead** to check hours of operation, disposal fees and **confirm that the facility can receive and recycle your materials** Allied Waste (Pleasant Hill Bayshore Disposal-PHBD) is the only authorized hauler for the City of Clayton. You may use a third party hauler if they have a current City business license. Your regular household refuse and recycling is required to be serviced by Allied. Please call Allied to set up your regular weekly curbside recycling and garbage collection service at 925-685-4711; for Allied's temporary C&D service, and rate information call 671-5806.

### **What if I am using sub-contractors?**

Inform your sub-contractors about your recycling requirements. **You are responsible for any materials they take away from the job-site.** They must take materials to a recognized recycling facility and provide you with recycling receipts. That's your recycling credit driving away in their truck!

### **Do I need to separate the debris by material type or can I mix it together?**

The manner in which you collect and sort the C&D debris will determine what facility you can use for recycling. **Separated loads** of clean materials can be taken to one of the many area facilities listed in the Builder's Guide or Contra Costa Reuse and Recycling Guide. **Mixed loads** can be taken to facilities listed in the Builder's Guide or Contra Costa reuse and Recycling Guide that state they can receive mixed materials for recycling. **You must insist that the facility provide you with a recycling receipt and you should call ahead to confirm this.** A weight tag that simply says "C&D debris" is not adequate. A C&D Recycling Debris Box for mixed loads can be set up with Allied Waste Services by calling 925-671-5806. They can also provide you with their current rates for their services.

### **What do I need to do to demonstrate compliance with city recycling requirements?**

You will need to submit all recycling and disposal receipts to the building department before receiving your final permits. The recycling receipts should clearly state the city building permit number or job-site address, the date, the weight or volume, material type and confirmation that the materials were actually recycled. A sample form of what information is needed is attached. Please note that at most all facilities you must inform them prior to, or at the time you bring in your materials, of the need for the appropriate receipts. Most facilities can not provide the appropriate documentation after you have deposited the load or after the fact.

### **What is the cost to do construction and demolition debris recycling?**

The cost for vary depending on where the materials are taken and how they are hauled (separated material, co-mingled materials). All locations will charge a fee for taking the materials. In addition there are fees associated with hauling and on site debris boxes that would contain the materials to be hauled from the site.

### **Can I use a hauler other than Allied Waste Services?**

Yes you can use a third party hauler (not a debris box from another refuse service or landfill company such as Delta Diablo, Concord Disposal, Altamont, BFI, etc. These are franchised haulers that have very specific territory assigned to them.) A third party or independent hauler can be used however they must have a valid City of Clayton Business license. (Contact our City Business License Officer at 673-7310 to verify or obtain license application). You are responsible to ensure that they have valid City of Clayton Business License.

### **What if they do not get the City of Clayton Business License?**

Lack of a business license may result in a hold on building inspections, payment of additional fines and penalties.

### **Where can I obtain information about third party haulers and places that take C & D materials?**

Resources such as the Contra Costa Builders Guide to Reuse and Recycling and the Contra Costa Recycling Guidebook are available at City Hall or on line at [www.cccrecycle.org/debris](http://www.cccrecycle.org/debris). City Hall also has information from Allied Waste on their C&D services or at their website [www.awsgcc.com](http://www.awsgcc.com).



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Permit applicants for construction, renovation/remodel, additions, or demolition, of 500 square feet or more of area are required to divert 50% of the waste generated.

(City Ordinance No. 389, effective January 6, 2006)

The following materials should be considered for recycling and reuse.

- Appliances
- Asphalt
- Brick
- Building materials - doors, windows, and fixtures
- Cardboard
- Carpet
- Carpet padding and foam
- Ceiling tile
- Concrete
- Drywall
- Landscape debris (brush, trees, branches, stumps, leaves, and grass)
- Lumber and wood - unpainted and unfinished
- Masonry tile
- Metal - ferrous and nonferrous
- Plastics - PET (#1) and HDPE (#2)



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### STANDARDIZED GENERATION RATES

These generation rates should be used by applicants preparing Waste Management Plans for construction, renovation, and demolition projects to estimate the quantity of construction and demolition debris that will be generated.

<b>Construction Projects:</b> Type of Project	C&D Debris Pounds per sq.ft.
Single family home.....	4.6
Multifamily.....	4.0
Commercial.....	3.9

<b>Demolition Projects:</b> Type of Project	C&D Debris Pounds per sq.ft.
Single family home (without basement).....	50
Single family home (with concrete basement).....	111
Multifamily.....	127
Commercial.....	155

<b>Renovation Projects - residential</b> Type of Project	C&D Debris Pounds per sq.ft.
Kitchen (minor).....	0.75
Kitchen (major).....	4.5
Baths (minor).....	0.25
Baths (major).....	1.00
Room additions.....	0.75



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## Construction & Demolition Debris Recycling & Reuse Program STANDARDIZED CONVERSION FACTORS

These factors should be used by Applicants preparing Final Reports to convert the quantity of recycled or reused materials from volume to weight. The amount of a material recorded in cubic yards should be multiplied by the appropriate factor (pounds per cubic yard), and then divided by 2,000, to determine the number of tons of the material recycled or reused.

Example: To convert a quantity of cubic yards of cardboard to tons

(5 cubic yards of cardboard) x (300 pounds per cubic yard) = 1,500 pounds

(1,500 pounds) ÷ (2,000 pounds per ton) = 0.75 tons

Material	Pounds per Cubic Yard
Asphalt.....	1,400
Brick.....	1,400
Building Materials.....	300
Cardboard.....	120
Carpet.....	600
Carpet Padding & Foam.....	6.25
Ceiling Tile.....	175
Concrete.....	1,800
Drywall.....	500
Landscape Debris.....	300
Lumber & Wood.....	300
Metals - ferrous.....	906
Metals - nonferrous.....	175
Plastics.....	35







WALL

5/16" x 7-1/2" fiber cement lap siding	3
4" clay brick <sup>(1)</sup>	39
1/4" ceramic wall tile <sup>(1)</sup>	3.1
1 3/4" Cultured Stone <sup>®</sup>	12
2x4 studs @ 16" o.c., 5/8" gypsum, insulation, 3/8" siding <sup>(1)</sup>	11
2x6 studs @ 16" o.c., 5/8" gypsum, insulation, 3/8" siding <sup>(1)</sup>	12
Wood or steel studs, 1/2" gypsum board each side <sup>(1)</sup>	8
Exterior stud walls w/ brick veneer <sup>(1)</sup>	48
Windows: glass, frame and sash <sup>(1)</sup>	8
Stucco	10
Log Wall: 10" diameter	26
Glass Block	
4" thick - standard (hollow)	20
3" thick - standard (hollow)	16
4" thick - thick face	30
3" thick - solid glass block	40

MISCELLANEOUS

1" of sand	8
1" of water	5.2
Hay: baled (dry) <sup>(2)</sup>	15
	PCF <sup>(2)</sup>
Straw: baled (dry) <sup>(2)</sup>	8 PCF <sup>(2)</sup>
Saturated soil (garden/landscaped roof)	135 PCF
Grand Piano	1000 LB

**Include at least 1.5 psf in all dead load summations to account for incidentals such as plumbing, ducts, light fixtures, etc.**

- (1) *Minimum Design Loads for Buildings and Other Structures, ASCE 7-05.*
- (2) *National Farm Building Code (Canada) 1995. Value in pounds per cubic foot (PCF), multiply by maximum height to obtain PSF.*
- (3) *Approximate Engineering Dead Load Weight of Wood Structural Panels, APA EWS TT-019, 1998.*
- (4) *Duro-Last General Specifications, Duro-Last Roofing, Inc. 2005*



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**Recycling Receipt For Material(s) Received**  
(to be completed by material receiver)

**Company or Individual Receiving Material(s):**

Facility Name:	
Contact or Individual Name:	
Address:	
City, State, Zip:	
Phone/Fax/Mobile/Page:	
Circle Facility/Individual Type(s):	Recycler    Salvager    Landfill Operator    End User    Other
*Facility Attendant Signature:	

\* Signature required to validate receipt.

**Job-Site Information:**

Permit #:	
Job-Site Address:	

**Construction/Demolition Company or Individual Providing Material(s) to Receiver:**

Company Name:	
Contact or Individual Name:	
Address:	
City, State, Zip:	
Phone/Fax/Mobile/Page:	

**Identification of Materials Left with Receiver (use separate receipt for materials landfilled):**

Material Type	Quantity by Weight, in pounds or tons**	Circle how receiving facility or individual will use materials received for each Material Type	Date Received or Picked Up
<i>Sample: Concrete</i>	<i>12 tons</i>	(Recycle) Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	
		Recycle Salvage    Trash	

Use published conversion factors between volume and weight, if necessary, from City of Clayton  
Contact Laura Hoffmeister for assistance, 6000 Heritage Trail, Clayton, CA 94517, 925-673-7308,  
LHoffmeister@ci.clayton.ca.us

**Thank you for recycling.**

**ORDINANCE NO. 389**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON  
ADDING CHAPTER 15.80 TO TITLE 15 OF THE CLAYTON MUNICIPAL  
CODE TO REGULATE PROJECT CONSTRUCTION AND DEMOLITION  
DEBRIS RECYCLING**

**THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY FIND AS  
FOLLOWS:**

**WHEREAS**, the State of California passed Assembly Bill (AB) 939 in 1989 mandating cities and counties to recycle 50% of their solid waste stream; and

**WHEREAS**, the City of Clayton is committed to protecting public health, safety, welfare and the environment and in furtherance thereof, promotes the reduction of solid waste; and

**WHEREAS**, the City of Clayton enacted its Source Reduction and Recycling Element in 1993 to implement recycling programs in an effort to improve its recycling efforts; and

**WHEREAS**, an estimated 10-20% of solid waste material generated within the City of Clayton is comprised of construction and demolition debris that can and should be recycled; and

**WHEREAS**, the City established incentive pricing in 2001 to encourage recycling of construction related materials; and

**WHEREAS**, the State of California passed Senate Bill (SB) 1374 in 2002 imposing state mandated Construction and Demolition model ordinances be developed for local government use by 2004 or establishment of local ordinances and programs be enacted by local governments and included in a local agency's annual waste report to the California Integrated Waste Management Board; and

**WHEREAS**, the City of Clayton received conditional approval by the California Integrated Waste Management Board in 2002 for Alternative Diversion Requirement (ADR) for the years 2000-2003 (AB 1600-ADR), which included a condition to establish a local Construction and Demolition ordinance; and

**WHEREAS**, recycling of project construction and demolition debris furthers Clayton's commitment to reducing waste and state-mandated compliance with AB 939 and SB 1374, and the City's State approved AB 1600-ADR requirements.

**NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF CLAYTON  
DOES ORDAIN AS FOLLOWS:**

**Section 1. Chapter 15.80 of the Municipal Code is added to read in its entirety as follows:**

Chapter 15.80

PROJECT CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING

Sections:

15.80.010	Definitions
15.80.020	Threshold for covered projects
15.80.030	Submission and contents of waste management plan
15.80.040	Review of waste management plan
15.80.050	Modified diversion rate
15.80.060	Submission of completed waste management plan
15.80.070	Appeal
15.80.080	Enforcement

15.80.010 Definitions.

For the purposes of this ordinance, the following definitions shall apply:

- A. "Applicant" means any individual, firm, limited liability company, association, partnership, political subdivision, government agency, municipality, industry, public or private corporation, or any other entity whatsoever who applies to the city for the applicable permits to undertake construction, demolition, or renovation projects within the city.
- B. "Construction" means the building of any facility, structure, or paved area or any portion thereof including tenant improvements to an existing facility, structure, or paved area.
- C. "Construction and demolition debris" ("C&D debris") means used or discarded materials removed from a project site during construction, demolition, or renovation activities.
- D. "Conversion rate" means the rate set forth in the standardized conversion rate table approved by the state, as amended or revised, for estimating the volume or weight of materials identified in a waste management plan.
- E. "Covered project" shall have the meaning set forth in Section 15.80.020.A.
- F. "Deconstruction" means the process of dismantling a building, structure, or paved area in order to salvage components for reuse or recycling.
- G. "Demolition" means the decimating, razing, ruining, tearing down, or wrecking of any facility, structure, pavement or building, whether in whole or in part, whether interior or exterior.
- H. "Divert" means to use material for any purpose other than disposal in a landfill or transfer facility.
- I. "Diversion requirement" means the redirection from the waste stream of construction and demolition debris generated by a project via salvage, reuse, and/or recycling.
- J. "Modified diversion rate" means a diversion rate less than a standard diversion requirement.
- K. "Non-covered project" shall have the meaning set forth in Section 15.80.020.B.
- L. "Official" shall have the meaning set forth in Section 15.80.010.W.
- M. "Project" means any activity, which requires an application for a building, grading, or demolition permit, or any similar permit from the city.



N. "Recycling" means the process of collecting, sorting, cleansing, treating, and reconstituting materials that would otherwise become solid waste, and returning them to the economic mainstream in the form of raw material for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace.

O. "Renovation" means any change, addition, or modification (including tenant improvements) in an existing structure or building.

P. "Reuse" means further or repeated use of materials in their original form.

Q. "Salvage" means the controlled removal of construction or demolition debris from a project site for diversion requirement purposes.

R. "Site" means any location which requires a waste management plan under this chapter.

S. "Standard diversion requirement" means at least fifty (50) percent of the waste stream of construction and demolition debris generated by a project is diverted from the landfill via salvage, reuse, and/or recycling.

T. "Tenant improvements" means a "project" involving structural or other modifications of an existing building, structure, or project site resulting in the generation of C&D debris.

U. "Vendor" means a hauler of commercial recycling material licensed to conduct business in the city.

V. "Waste management plan" ("WMP") means a completed WMP form submitted by the applicant for any covered project for the purpose of compliance with this chapter.

W. "WMP compliance official" ("official") means the city community development director or his or her designee.

15.80.020     Threshold for covered projects.

A. Covered projects. All construction, demolition and renovation projects within the city, which involve the construction, demolition, or renovation of 500 square feet or more and which require a building, grading, or demolition permit shall be considered covered projects and shall comply with this chapter. For the purposes of determining whether a project meets the foregoing thresholds, all phases of a project and all related projects taking place on single or adjoining parcels, as determined by the official, shall be deemed a single project.

B. Non-covered projects. Construction, demolition and renovation projects within the city that have not met the threshold for covered projects shall be considered non-covered projects. Applicants for non-covered projects shall be encouraged and endeavor to divert as much project-related C&D debris as possible.

C. Projects Sponsored by the City or its Redevelopment Agency. All construction, demolition and renovation projects sponsored by the city or its redevelopment agency shall be considered covered projects for the purposes of this chapter. The project sponsor or its contractor shall submit a WMP to the official prior to beginning any activities and shall be subject to all applicable provisions of this chapter.

D. Building, grading and demolition permits. No building, grading or demolition permit shall be issued for a covered project unless and until the official has approved a WMP for the project.

15.80.030      Submission and contents of waste management plan.

An applicant for any covered project shall complete and submit a WMP on a form approved by the city as part of the application submittal requirements for a building, grading, or demolition permit. A complete WMP shall include all of the following:

- A. Identification of the types of C&D debris expected to be generated from the project and the types of C&D debris to be made available for salvage, reuse, and/or recycling, and diverted from the landfill;
- B. Acknowledgement that the standard diversion requirement requires at least fifty (50) percent of the C&D debris materials to be diverted from the landfill and made available for salvage, reuse, and/or recycling;
- C. Acknowledgement that the applicant is responsible for the actions of his or her contractors, sub-contractors or other agents with regard to the diversion requirement;
- D. Signature of the property owner (or authorized agent); and
- E. A cash deposit (or other financial security instrument acceptable to the city) to ensure the performance of the diversion requirements of this chapter, and to cover staff review and processing charges. The amount of the cash deposit (based upon the square footage of the construction, demolition, or renovation), plus a minimum deposit, shall be established by City Council resolution, and as may be amended from time to time.

15.80.040      Review of waste management plan.

A. Approval. Notwithstanding any other provision of this code, no building, grading, or demolition permits shall be issued for any covered project, nor shall any construction, demolition, or renovation take place on any covered project, unless and until the official has approved the WMP. Approval shall not be necessary, however, when the city determines an emergency demolition is required to protect public health or safety. The official shall approve the WMP if the official determines that the WMP complies with the requirements of Section 15.80.030.

B. Non-approval. If the official determines the submitted WMP does not comply with the requirements of Section 15.80.030, the official shall notify the applicant the WMP is not approved and provide a written statement of the reason(s) the WMP is out of compliance. The official shall withhold or order the withholding of issuance of all associated city development permits, including building, grading, and demolition permits for the covered project until compliance has been met.

15.80.050      Modified diversion rate.

A. Application. If an applicant experiences unique circumstances that the applicant believes make it infeasible to comply with the standard fifty (50) percent diversion requirement, the applicant may request approval of a modified diversion rate at the time the applicant submits the WMP in accordance with Section 15.80.030. Economic or increased financial costs to the applicant generally will not be a sufficient basis for approval of a modified diversion rate unless such costs are proportionately extraordinary. The applicant shall indicate on the WMP the maximum amount of diversion the applicant believes can be achieved for each material and the specific unique circumstance(s) the applicant believes makes compliance with the standard diversion requirement infeasible.

B. Granting of modified diversion rate. If the official determines that the applicant is unable to meet the standard diversion requirement due to unique circumstances, the official may

approve and issue a modified diversion rate and shall indicate this rate on the WMP submitted by the applicant.

C. Denial of modified diversion rate. If the official determines that unique circumstances are not present and the applicant is able to comply with the standard diversion requirement, the official shall so inform the applicant in writing. The applicant shall have thirty (30) calendar days to resubmit a WMP in full compliance with Section 15.80.030.

15.80.060      Submission of completed waste management plan.

A. Documentation. Prior to the final building inspection or the filing of a notice of completion for a public works project for any covered project, the applicant shall submit documentation that it has met the diversion requirement for the project to the official. This documentation shall include the following:

1. A copy of the approved WMP for the project with notations of the actual material volume or weight generated by the completed project;
2. Receipts from disposal and recycling facilities and/or vendors that received each material showing the type and quantity (weight or volume) of material, and whether the material was disposed in a landfill or recycled; and
3. Any additional information the applicant believes is relevant to determining compliance with this chapter.

B. Weighing of materials. The applicant shall make reasonable efforts to ensure that all C&D debris recycled or disposed in a landfill are measured and recorded using the most accurate method of measurement available. To the extent practical, all C&D debris shall be weighed by measurement on scales. Such scales shall be in compliance with all regulatory requirements for accuracy and maintenance. A volumetric measurement shall be used on C&D debris for which weighing is not practical due to small size or due to other considerations as determined by the official or the state. For conversion of volumetric measurements to weight, the applicant shall use the conversion rates approved by the state for this purpose.

C. Determination of compliance. The official shall review the submitted information and determine whether the applicant has complied with the diversion requirement. The official shall authorize the final building inspection or the filing of the notice of completion for a public works project upon making a determination of compliance, as listed below:

1. Full compliance. If the official determines the applicant has fully complied with the diversion requirement applicable to the project, the full performance security, less staff review and processing charges, shall be returned to the applicant within thirty (30) days after full compliance is determined.

2. Partial compliance. If the official determines the applicant has not fully complied with the diversion requirement applicable to the project, the official shall determine on a case-by-case basis whether the applicant has made a good faith effort to comply with the approved WMP. In making this determination, the official shall consider the availability of markets for the C&D debris disposed in a landfill, the size of the project and the documented efforts of the applicant to divert the C&D debris. If the official determines the applicant has made a good faith effort to comply with the approved WMP, such determination shall be provided in writing, and the portion of the deposit equivalent to the portion of C&D debris actually diverted compared to the portion that should have been diverted according to the approved WMP will be returned to the applicant, less staff review and processing charges. The



partial deposit shall be returned to the applicant within thirty (30) days after partial compliance is determined.

3. Noncompliance. If the official determines the applicant has not complied with the approved WMP, the official shall notify the applicant in writing. The full amount of the performance security shall be forfeited to the city as a penalty and to cover staff review and processing charges.

15.80.070     Appeal.

Appeal of a determination made under this chapter may be made to the city council following the procedures set forth in Section 5.04.100 of this code, with payment of an appeal fee as established by City Council resolution. Any appeals shall be limited to: 1) the granting or denial of modified diversion rate; or 2) whether the applicant has complied with an approved WMP.

15.80.080     Enforcement.

Violation of any provision of this chapter may be enforced through remedies listed in this code, including but not limited to Chapters 1.14, 1.18 and 1.20.

**Section 2.     Action to challenge**

Any action or proceeding to attack, review, set aside, void or annul this Ordinance must be commenced and the service made on the City no later than 90 days after its effective date.

**Section 3.     Conflicting Ordinances Repealed.**

Any ordinances or parts thereof, or regulations in conflict with the provisions of this Ordinance are hereby repealed. The provisions of this Ordinance shall control with regard to any provisions of the Municipal Code that may be inconsistent with the provisions of this Ordinance.

**Section 4.     Severability.**

If any section, subsection, sentence, clause, or phrase of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council has declared that it would have passed this Ordinance and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or more section, subsection, sentence, clause, or phrase thereof was declared unconstitutional, invalid or ineffective.

**Section 5.     Effective date and publication.**

This Ordinance shall become effective thirty (30) days from and after its passage. Within fifteen (15) days after the passage of the Ordinance, the City Clerk shall cause it to be posted in three (3) public places heretofore designated by Resolution of the City Council for the posting of ordinances and public notices.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on October 18, 2005.

Passed, adopted and ordered posted at a regular meeting of the City Council of the City of Clayton on December 6, 2005 by the following vote:

AYES: Councilmember Laurence, Manning, Pierce, Vice Mayor Walcutt and Mayor Shuey.

NOES: None.

ABSENT: None.

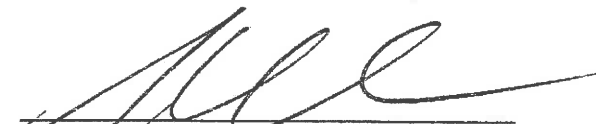
THE CITY COUNCIL OF CLAYTON, CA

  
David T. Shuey, Mayor

ATTEST:

  
Rhonda K. Basore, City Clerk

APPROVED AS TO FORM:

  
J. Daniel Adams, City Attorney,

APPROVED AS TO ADMINISTRATION:

  
Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held October 18, 2005, and was duly adopted, passed and ordered posted at a regular meeting of the City Council held on December 6, 2005.

  
Rhonda K. Basore, City Clerk



2006



MATT GREENE sorts cardboard at the Brentwood transfer station Friday. Cities are passing ordinances requiring builders to recycle. KRISTOPHER SKINNER/TIMES

# Ordinances force builders to recycle

By Sarah Jane Tribble  
TIMES STAFF WRITER

With state pressure mounting, an increasing number of Contra Costa communities are creating laws to force builders to recycle the wood, concrete and other materials from projects.

The new demands are getting results in fast-growing Antioch, and officials expect more cities countywide to join the effort this year.

Moraga, Concord and Martinez are all expected to pass or propose ordinances within the next few months. El Cerrito and Pittsburg staff members are also considering creating a construction and demolition ordinance, according to county officials.

"Contra Costa as a county has recognized the C&D (construction and demolition) issue and is taking steps," said Eric Bissinger, integrated waste management specialist for the California Integrated Waste Management

Board. "They have to convince the councils, and some people might look at the ordinance as a business hindrance."

The state board is pushing the ordinances as a way for communities to comply with a state law that requires local governments to divert half their waste from landfills or face fines of up to \$10,000 a day.

A 2004 board study found that 22 percent of the garbage that went into landfills the previous year was construction debris that could be recycled. As a result, ordinances have been a "reoccurring topic" for the board, Bissinger said.

Walnut Creek passed the first ordinance and Lafayette, Orinda, Brentwood, Antioch, Clayton and the unincorporated part of the county followed in the past five years.

Contra Costa's unincorporated area has a diversion rate of 45 percent, according to the county's

state-submitted report from 2003, the most recent data available.

Ordinances enable cities and counties to track how much developers recycle and whether the community is improving its recycling rates, said Laura Wright, senior administrative analyst in Pittsburg's public works department.

Pittsburg's diversion rate is more than 50 percent, she said.

Down the road a few miles in Antioch, Environmental Resource Coordinator Julie Haas-Wajdowicz said the city reduced by more than half its construction and demolition waste hauled to the landfill between 2003 and after the city's ordinance passed in 2004.

Antioch builders were hauling more than 6,000 tons of construction and demolition material a year to the landfill in 2003, an amount that dropped to 2,000 tons in 2004, she said. Not all of the difference was a result of recycling because the city began shipping the material to a trans-

fer station, but at least half of that difference went on to be recycled, she said.

Antioch and Brentwood require developers to recycle half their waste for any project that costs more than \$75,000.

In Brentwood, where construction and demolition materials are a large part of the waste stream, city officials are spending \$5 million this year to expand a garbage transfer station.

Brentwood Solid Waste Manager Jon Carlson said the expanded station will enable the city to recycle more efficiently as well as keep up with the city's building boom and increasing population, which is expected to nearly double and hit 70,000 in the coming years.

Sarah Jane Tribble covers East County growth and development. She can be reached at 925-779-7134 or [stribble@octimes.com](mailto:stribble@octimes.com).

**Laura Hoffmeister**

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**Subject:** FW: clayton data needed

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**From:** Ana Hidalgo [mailto:ahidalgo@cleanstreet.com]  
**Sent:** Friday, October 28, 2016 4:41 PM  
**To:** Laura Hoffmeister  
**Cc:** Nita Moran  
**Subject:** RE: clayton data needed

Hi Laura,

Below is the Street Sweeping Tonnage for Clayton by month from 7/01/15 - 06/30/16.

<b>MONTH</b>	<b>TONNAGE</b>
Jul-15	6.30
Aug-15	8.52
Sep-15	7.89
Oct-15	6.25
Nov-15	6.27
Dec-15	6.87
Jan-16	11.28
Feb-16	7.58
Mar-16	5.79
Apr-16	4.88
May-16	7.57
Jun-16	6.61
<b>TOTAL</b>	<b>85.81</b>

Kind regards,

*Ana Hidalgo*

Accounts Payable Analyst

**CleanStreet, Inc.**

ahidalgo@cleanstreet.com

Phone: (310) 436-6515 | E-Fax (424) 233-1902

# Attachments City of Clayton for Section C-3



**CERTIFICATE OF TRAINING**  
CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD)  
AND  
QUALIFIED SWPPP PRACTITIONER (QSP)

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**Richard Angrisani**

Apr 21, 2015 - Jul 19, 2017

*Certificate # 00927*



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California Stormwater Quality Association and  
California Construction General Permit Training Team

## **ORDINANCE NO. 444**

### **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON AMENDING CHAPTER 13.12 TO TITLE 13 OF THE MUNICIPAL CODE RELATING TO STORMWATER MANAGEMENT AND DISCHARGE CONTROL FOR COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM (STORM WATER POLLUTION PREVENTION) MUNICIPAL REGIONAL PERMIT (MRP) IMPOSED BY THE REGIONAL WATER QUALITY CONTROL BOARD**

#### **THE CITY COUNCIL OF THE CITY OF CLAYTON FINDS AS FOLLOWS:**

**WHEREAS**, the 1987 Reauthorization of the Federal Clean Water Act, as well as similar State legislation, required local agencies to obtain a NPDES Permit for discharging the contents of municipal storm drainage water conveyance systems; and

**WHEREAS**, the Federal Clean Water Act and related permits are implemented and enforced by the State through the Regional Water Quality Control Board (San Francisco Bay Area Region), this permitting effort is intended to improve water quality in the Delta and San Francisco Bay Estuary System, protect endangered species, and safeguard public waters and waterways for continued economic, recreation and health purposes; and

**WHEREAS**, stormwater runoff pollution has been identified as a significant impact on water quality and wildlife in the Bay Area by the State and Federal Government; and

**WHEREAS**, the City of Clayton's National Pollutant Discharge Elimination System (NPDES) permit was reissued in 2009 by the San Francisco Water Quality Control Board in, which added various mandates, including that related to Stormwater Management and Discharge Control, and

**WHEREAS**, the public necessity, conveniences and general welfare require the adoption of the proposed ordinance for compliance with the City's NPDES permit through the Municipal Regional Permit (MRP) issued by the San Francisco Regional Water Quality Control Board; and

**WHEREAS**, on March 19, 2013 the City Council held a public meeting to consider amending the Municipal Code, as proposed in the Ordinance amendments "Stormwater Management and Discharge Control"; considered the information contained in the staff report and any other written and public testimony; introduced and held first reading of said Ordinance; and



**WHEREAS**, the additions to the Municipal Code are categorically exempt under the California Environmental Quality Act (CEQA) pursuant to Section 15307, Class 7; and Section 15308, Class 8--actions by regulatory agencies for the protection of natural resources and;

**WHEREAS**, there is no evidence that the additions will have the potential for any individual or cumulative adverse effect on fish and wildlife resources or their habitat, as defined in Section 711.2 of the Fish and Game Code.

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY ORDAIN AS FOLLOWS:**

**Section 1. Revocation and Amendment.**

Chapter 13.12 of Title 13 of the Clayton Municipal Code, as adopted by Ordinance No. 379 is hereby revoked in its entirety and amended to read as follows:

“Chapter 13.12. Stormwater Management and Discharge Control

**Section 13.12.010. Intent and Purpose.**

A. The intent of this Chapter is to protect and enhance the water quality in the City of Clayton's watercourses pursuant to, and consistent with the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.) and the Federal Clean Water Act (33 U.S.C. section 1251 et seq.).

B. This Chapter also carries out the conditions in the City's National Pollutant Discharge Elimination System (NPDES) permit that require implementation of appropriate source control and site design measures and stormwater treatment measures for development projects.

C. It is the purpose of the City Council in enacting this Chapter to protect the health, safety and general welfare of Clayton's citizens by:

1. minimizing non-stormwater discharges, whose pollutants would otherwise degrade the water quality of local streams, to the stormwater system.

2. minimizing increases in nonpoint source pollution caused by stormwater runoff from development that would otherwise degrade local water quality.
3. controlling the discharge to the City's stormwater system from spills, dumping or disposal of materials other than stormwater.
4. reducing stormwater run-off rates and volumes and nonpoint source pollution whenever possible, through stormwater management controls and ensuring that these management controls are properly maintained and pose no threat to public safety.

Section 13.12.020. Definitions.

The following words and phrases when used in this Chapter shall be as defined herein. Words and phrases in this Chapter and not otherwise defined shall be interpreted as defined in the regulations issued by the U.S. Environmental Protection Agency to implement the provisions of the Federal Clean Water Act, and as defined by the State Water Resources Control Board to implement the Porter-Cologne Act:

- A. Best management practices or "BMP" are structural devices, measures, stormwater management facilities, activities, prohibitions, or practices, general good housekeeping, pollution prevention practices, maintenance procedures and other management practices, to prevent or reduce the discharge of pollutants directly or indirectly to "waters of the United States," including watercourses, water bodies, and wetlands.
- B. City's NPDES permit shall mean the NPDES permit issued to the City of Clayton, Permit No. CAS612008, and any subsequent amendment, reissuance or successor to the NPDES permit.
- C. Construction shall mean any project, including projects requiring coverage under the General Construction Permit, that involves soil disturbing activities, including but not limited to, clearing, grading, paving, and disturbances to ground such as stockpiling and excavating. Construction sites are also all sites with disturbed or graded land area not protected by vegetation or pavement that are subject to a grading or building permit.
- D. Development shall mean construction, rehabilitation, redevelopment or reconstruction of any public or private residential project (whether single-family, multi-unit, or planned unit development) or industrial, commercial, retail or other nonresidential project, including public agency projects.

E. Development runoff requirements shall mean the provisions in the City's NPDES permit that contain performance standards to address both the construction and post-construction phase impacts of new projects and redevelopment projects on stormwater quality, as well as any requirements imposed by the director pursuant to a permit or other regulatory action.

F. Director shall mean the City Manager of the City of Clayton or his or her designee.

G. Enforcement officer or Officer shall mean those individuals designated by the director to act as authorized enforcement officers.

H. Guidebook shall mean the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

I. Non-stormwater discharge is any addition of any pollutant to the City's stormwater system, except discharges pursuant to a NPDES permit, or discharges further exempted in Section 13.12.060(c) and (d) of this Chapter.

J. Pollutant shall mean any material other than stormwater including, but not limited to, petroleum products or by-products, solid waste, incinerator residue, sewage, sewage sludge, garbage, heat, chemical waste, biological materials, radioactive materials, wrecked or discarded equipment, rock, sand, soil and industrial, municipal or agricultural waste discharged into the water or stormwater system.

K. Premises shall mean any land, building, structure, facility, or installation, (including a building's grounds or other appurtenances), and adjacent sidewalks and parking strips.

L. Redevelopment shall mean land disturbing activity that results in the creation, addition, or replacement of exterior impervious area on a site on which some past development has occurred.

M. Regional Board shall mean the California Regional Water Quality Control Board, San Francisco Bay Region.

N. Responsible person shall mean the owner or occupant of any premises or who engages in, permits, or oversees any activity from which there is or may be a non-stormwater discharge

or any person who releases pollutants to the City's stormwater system.

O. Stormwater shall mean storm water runoff, snow melt runoff, surface runoff and drainage flow on the surface of the ground resulting from precipitation.

P. Stormwater management facility shall mean any BMP or any device that utilizes detention, retention, filtration, harvest for reuse, evapotranspiration or infiltration to provide treatment (and/or control volume, flows, and durations) of stormwater for purposes of compliance with development runoff requirements.

Q. Stormwater control plan shall mean a plan that meets those criteria contained in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

R. Stormwater system is that system of facilities by which stormwater may be conveyed to any stream, watercourse, other body of water or wetlands, including flood control channels, any roads with drainage systems, city streets, catch basins, curbs, gutters, ditches, improved channels, storm drains or storm drain system, which are not part of a Publicly Owned Treatment Works ("POTW") as that term is defined in 40 CFR section 122.2.

Section 13.12.030. Responsibility for Administration.

The director or his or her designee shall administer this Chapter for the City.

Section 13.12.040. Construction and Application.

This Chapter shall be construed consistent with the requirements of the Federal Clean Water Act and amendments thereto or applicable implementing regulations and the City's NPDES permit.

Section 13.12.050 Stormwater Control Plan Required.

A. In accordance with thresholds and effective dates in the City's NPDES Permit, every application for a development project, including but not limited to a rezoning, tentative map, parcel map, conditional use permit, variance, site development permit, grading permit, encroachment permit, design review, or building permit that is subject to the development runoff requirements in the City's NPDES permit shall be accompanied by a stormwater control plan that meets the criteria in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

B. Implementation of an approved stormwater control plan and submittal of an approved stormwater control operation and maintenance plan by the applicant shall be a condition precedent to a final building inspection or the issuance of a certificate of occupancy for a project subject to this section.

C. All stormwater management facilities shall be designed in a manner to minimize the need for maintenance and reduce the chances of failure. Design guidelines are outlined in the Guidebook.

D. All stormwater management facilities shall be maintained according to the Guidebook and the approved stormwater control operation and maintenance plan. The person(s) or organization(s) responsible for maintenance shall be designated in the stormwater control operation and maintenance plan. Unless a different time period is provided for in the plan, those responsible for maintenance shall inspect the stormwater management facility at least annually. The stormwater control operation and maintenance plan shall also describe how the maintenance costs will be funded. Upon the failure of a responsible person to maintain a stormwater management facility in accordance with this Chapter or the plan, the City may perform the maintenance and recover its costs from the responsible person as provided in sections 13.12.100, 13.12.170 and 13.12.180.

E. A property owner shall, through recorded covenants or easements, provide the City, the Contra Costa Mosquito and Vector Control District, and the Regional Board access to stormwater management facilities for inspections and maintenance.

Section 13.12.060. Prohibited Discharges.

A. The discharge of non-stormwater to the City stormwater system is prohibited.

B. The discharge of stormwater from any premises and any activity that may cause or contribute to prohibited discharge, to a violation of receiving water limitations in the City's NPDES permit, or to a nuisance within the meaning of California Water Code section 13050 is prohibited.

C. The following discharges are exempt from the prohibition set forth in subsection (a) above, unless determined by the director to be a source of pollutants to or from the stormwater system or to receiving waters:

1. any discharge in compliance with a NPDES permit issued to the discharger.

2. flows from riparian habitats and wetlands, diverted stream flows, flows from natural springs, rising ground waters, uncontaminated and unpolluted groundwater infiltration, single-family homes' pumped groundwater, foundation drains, and water from crawl space pumps and footing drains, and pumped groundwater from drinking water aquifers.

D. The following discharges are exempt from the prohibition set forth in subsection (a) above, if and only if the director identifies such discharge as not being a source of any pollutant to the stormwater system or to a receiving water or if control measures required by the director and as set forth in Section C.15 of the City's NPDES permit are properly implemented: pumped groundwater from non-drinking-water aquifers; pumped groundwater from other sources, foundation drains, and water from crawl space pumps and footing drains;



air conditioning condensate; planned discharges from routine operation and maintenance activities in the potable water distribution system; unplanned discharges from breaks, leaks, overflows, fire hydrant shearing, or emergency flushing of the potable water distribution system; emergency discharges of the potable water distribution system as a result of firefighting, unauthorized hydrant openings, or natural or man-made disasters; individual residential car washing; swimming pool, hot tub, spa, and fountain water discharges, and discharges from irrigation water, landscape irrigation, and lawn or garden watering.

Section 13.12.070. Discharge in Violation of NPDES Permit.

Any discharge that may result in or contribute to a violation of the City's NPDES permit either separately considered or when combined with other discharges, is prohibited. Liability for any such discharge shall be the responsibility of the person causing or responsible for the discharge, and such person shall defend, indemnify and hold harmless the City in any administrative or judicial enforcement action relating to such discharge.

Section 13.12.080. Unlawful Discharge and Unlawful Connections.

A. It is unlawful to allow, permit, establish, use, maintain or continue unauthorized drainage connections to the City's stormwater system, or to commence or continue any unauthorized discharges to the City's stormwater system.

B. No discharge shall cause the following conditions, create a nuisance, adversely affect beneficial uses of waters of the State, or cause or contribute to a violation of any applicable water quality standard for receiving waters:

1. floating, suspended or deposited macroscopic matter or foam;
2. bottom deposits or aquatic growth;
3. alterations of temperature, sediment load, nutrient load, or dissolved oxygen, which cause significant adverse impacts to native aquatic biota;
4. visible, floating, suspended or deposited oil or products of petroleum origin; or,
5. substances present in concentrations or quantities which cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption.

Section 13.12.090. Best Management Practices and Standards.

A. Generally. Any person owning or operating premises that may contribute pollutants to the City's stormwater system shall undertake best management practices to reduce the potential for pollutants entering the system to the maximum extent practicable. Examples of

such premises include, but are not limited to, parking lots, gasoline stations, industrial facilities, and other commercial enterprises. Examples of best management practices include, but are not limited to, those described in publications by the United States Environmental Protection Agency, the California Water Boards, the California Stormwater Quality Association, the Bay Area Stormwater Management Agencies Association, the Contra Costa Clean Water Program, and the City of Clayton.

B. Litter. No person shall throw, deposit, leave, keep or permit to be thrown, deposited, placed, left or maintained, any refuse, rubbish, garbage or other discarded or abandoned objects, articles or other litter in or upon any street, alley, sidewalk, business place, creek, stormwater system, fountain, pool, lake, stream, river or any other body of water, or upon any public or private parcel of land so that the same might become a pollutant, except in containers or in lawfully established waste disposal facilities.

C. Sidewalks. The occupant or tenant, or in the absence of occupant or tenant, the owner or proprietor of any real property in front of which there is a paved sidewalk shall maintain said sidewalk free of dirt or litter to the maximum extent practicable. Sweepings from the sidewalk shall not be swept or otherwise made or allowed to go into the gutter or roadway, but shall be disposed of in receptacles maintained as required for the disposal of solid waste.

D. Maintenance of Facilities and Landscaped Areas. Every responsible person shall implement Best Management Practices to minimize the release of pesticides, fertilizers, herbicides, and other related materials used to maintain landscaping and facilities.

E. Parking Lots, Paved Areas and Related Stormwater Systems. Persons owning, operating or maintaining a paved parking lot, the paved areas of a gasoline station, a paved private street or road, or similar structure, and related stormwater systems shall clean those premises as frequently and thoroughly as practicable in a manner that does not result in the discharge of pollutants to the City's stormwater system. As part of an enforcement action pursuant to this Chapter, the director may require installation and maintenance of BMPs to prevent the discharge of trash or other pollutants from private parking lots, streets, roads, and drainage facilities into the stormwater system. Failure or refusal to comply with such a requirement is prohibited and shall constitute a separate violation of this Chapter.

F. Construction Activities. In addition to any other requirement imposed by this Chapter, all construction projects shall incorporate site-specific BMPs, which can be a combination of BMPs from the California BMP Handbook, Construction January 2003, the Caltrans Stormwater Quality Handbooks, Construction Site Best Management Practices, the San Francisco Bay Regional Water Quality Control Board Erosion and Sediment Control Field Manual, 2002, the City's NPDES Permit, the City's grading and erosion control ordinance, generally accepted engineering practices for erosion control, and any other conditions required by the director when undertaking construction activities. The director may establish controls on the rate, volume, and duration of stormwater runoff from new developments and redevelopment as may be appropriate to minimize the discharge and transport of pollutants.

G. Notification of Intent and Compliance with General Permits. Each discharger associated with construction activity or other discharger described in any general stormwater permit

addressing discharges, as may be adopted by the United States Environmental Protection Agency, the State Water Resources Control Board, or the Regional Board shall provide the director with the notice of intent, comply with and undertake all other activities required by any general stormwater permit applicable to such dischargers. Each discharger identified in an individual NPDES permit relating to stormwater discharges shall comply with and undertake all activities required by the permit.

H. **Development Runoff Requirements.** Every applicant for a new development and redevelopment project subject to the development runoff requirements shall submit a stormwater control plan and implement conditions of approval that reduce stormwater pollutant discharges through the construction, operation and maintenance of treatment measures and other appropriate source control and site design measures. Similarly, increases in runoff volume, flows, and durations shall be managed in accordance with the development runoff requirements.

I. **Stormwater Pollution Prevention Plan.** The director may require any business or utility in the City that is engaged in activities that may result in non-stormwater discharges or runoff pollutants to develop and implement a stormwater pollution prevention plan, which must include an employee training program. Business activities which may require a stormwater pollution prevention plan include maintenance, storage, manufacturing, assembly, equipment operations, vehicle loading, fueling, vehicle maintenance, food handling or processing, or cleanup procedures, carried out partially or wholly out of doors.

J. **Coordination with Hazardous Material Release Response and Inventory Plans.** Any business subject to the Hazardous Material Release Response and Inventory Plan, Division 20, Chapter 6.95 of the California Health and Safety Code (commencing with section 25500), shall include, in that Plan, provision for compliance with this Chapter, including the prohibitions of non-stormwater discharges and the requirement to reduce release of pollutants to the maximum extent practicable.

Section 13.12.100. Reserved.

Section 13.12.110. Authority to Inspect.

A. **Generally.** The director and officer shall have the authority to enter property and make an inspection to enforce and carry out the provisions of this Chapter. Routine or scheduled inspections shall be based upon as reasonable a selection process as may be deemed necessary to carry out the intent of this Chapter, including, but not limited to, random sampling or sampling in areas with evidence of stormwater contamination, evidence of the discharge of non-stormwater to the stormwater system, inspection of stormwater treatment and flow-control facilities for proper operation and evidence of routine and corrective maintenance, or similar activities. Inspections may also be conducted in conjunction with routine or scheduled inspections conducted by other public agencies or special districts, including but not limited to the Central Contra Costa Sanitary District, the Contra Costa County Fire Protection District, County Environmental Health Department, the Contra Costa Mosquito and Vector Control District, or the Regional Board. The City Council may by resolution establish a schedule of fees for inspections.

B. **Authority to Sample and Establish Sampling Devices.** With the consent of the owner or

occupant, or pursuant to a search or inspection warrant, the officer may establish on any property such devices as are reasonably necessary to conduct sampling or metering operations. During all authorized inspections, the officer may take any sample deemed necessary to aid in the pursuit of the inquiry or in the recordation of the activities on site.

C. Notification of Spills. All persons in charge of the premises or responsible for emergency response for the premises have a responsibility to train premises' personnel and maintain notification procedures to ensure that immediate notification is provided to the City of any suspected, confirmed or unconfirmed release of pollutants creating a risk of non-stormwater discharge into the City stormwater system.

As soon as any person in charge of the premises or responsible for emergency response for the premises has knowledge of any suspected, confirmed or unconfirmed release of non-stormwater discharge entering the City stormwater system, such person shall take all necessary steps to ensure the detection and containment and clean up of such release and shall notify the City of the occurrence by telephoning the director. This notification requirement is in addition to and not in lieu of other required notifications.

D. Requirement to Test or Monitor. The officer may require that any person engaged in any activity or owning or operating any premises that may cause or contribute to non-stormwater discharges, undertake such monitoring activities or analysis and furnish such reports as the officer may specify. The burden, including costs of these activities, analysis and reports shall bear a reasonable relationship to the need for the monitoring, analysis and reports and the benefits to be obtained. The recipient of such request shall undertake and provide the monitoring, analysis and reports required.

E. Cost Recovery. If an inspection pursuant to this section results in an enforcement action, the City may issue an invoice of costs and recover in an enforcement action its reasonable inspection costs.

#### Section 13.12.120. Violations Constituting Misdemeanors or Infractions.

The violation of any provision of this Chapter, or failure to comply with any of the mandatory requirements of this Chapter shall constitute a misdemeanor, except that notwithstanding any other provisions of this Chapter, any violation constituting a misdemeanor under this Chapter may, at the discretion of the director, officer or city attorney, be charged and prosecuted as an infraction.

#### Section 13.12.130. Penalty for Violation.

A. Upon conviction of a misdemeanor, a person shall be subject to payment of a fine, or imprisonment, or both, not to exceed the limits set forth in California Government Code section 36901.

B. Upon conviction of an infraction, a person shall be subject to payment of a fine, not to exceed the limits set forth in California Government Code section 36900.

#### Section 13.12.140. Continuing Violation.

Every day that any violation of this Chapter shall continue shall constitute a separate offense.



Section 13.12.150. Concealment.

Concealing, aiding or abetting a violation of any provision of this Chapter shall constitute a violation of such provision.

Section 13.12.160. Acts Potentially Resulting in Violation of the Federal Clean Water Act or Porter-Cologne Act.

Any person who violates any provision of this Chapter, or the provisions of any permit issued pursuant to this Chapter, or who releases a non-stormwater discharge, or who violates any cease and desist order, prohibition or effluent limitation, may also be in violation of the Federal Clean Water Act or the Porter-Cologne Act and may be subject to the enforcement provisions of those acts, including civil and criminal penalties. Any enforcement actions authorized pursuant to this Chapter may also include notice to the violator of such potential liability pursuant to federal or state law.

Section 13.12.170. Violations Deemed a Nuisance.

In addition to the penalties provided herein, any condition caused or permitted to exist in violation of any of the provisions of this Chapter is a threat to the public health, safety and welfare. Such condition is hereby declared and deemed to be a nuisance, which may be abated as provided in Chapter 8.08 of Title 8 (commencing with section 8.08.010) of this Code including the assessment of the costs of abatement which may be collected at the same time and in the same manner as ordinary municipal taxes as provided by Government Code section 38773.5, and by civil action to abate, enjoin or otherwise compel the cessation of such nuisance by the City Attorney.

Section 13.12.180. Civil Actions.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by civil action brought by the City. In any such action, the City may seek, as appropriate, any and all of the following remedies:

1. a temporary restraining order, preliminary injunction and permanent injunction;
2. an action for an unlawful business practice pursuant to Business and Professions Code section 17206;

B. Any person violating any provision of this Chapter shall be liable for:

1. reimbursement for the costs of any investigation, inspection or monitoring which led to the discovery of the violation;
2. costs incurred in removing, correcting, or terminating the adverse effect(s) resulting from the violation;
3. compensatory damages for the loss of, or destruction to, water quality, wildlife, fish or aquatic life. Costs and damages under this subsection shall be paid to the City and shall be used exclusively for costs associated with monitoring and establishing a stormwater discharge pollution control system and implementing or enforcing the provisions of this Chapter;



4. the cost of maintenance and repair of any BMP or stormwater management facility that is not maintained in accordance with the guidebook or the stormwater control plan;

5. the reasonable costs of preparing and bringing administrative action under this Chapter.

Section 13.12.190. Remedies Not Exclusive.

The remedies identified in this Chapter are in addition to, and do not supersede or limit, any and all other remedies, administrative, civil or criminal. The remedies provided for herein shall be cumulative and not exclusive.

Section 13.12.200. Administrative Remedies.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by the following administrative remedies:

1. Notice of Violation. The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Notice of Violation in accordance with Chapter 1.14 of Title 1 of this Code. The Notice of Violation shall identify the provision(s) of this Chapter or the applicable permit or regulatory order which has been violated and shall state that continued noncompliance may result in additional enforcement actions against the owner, occupant and/or responsible person.

2. Suspension or Revocation of Permit. The director may suspend or revoke any City-issued permit when it is determined that:

i. The permittee has violated any term, condition or requirement of the permit or any applicable provision of this Chapter; or

ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is no longer appropriate to except the discharge from the prohibitions on prohibited discharge contained within this Chapter; or

iii. The permittee fails to comply with any schedule for compliance issued pursuant to this Chapter; or

iv. Any regulatory agency, including EPA or a Regional Water Quality Control Board having jurisdiction over the discharge, notifies the City that the discharge should be terminated; or

v. Any other circumstances where the director determines in his or her sole discretion that continuation of the discharge will result in substantial harm to public health or the environment.

3. Permit Modification. The director may modify any permit provided that the permittee shall be informed of any change in the permit terms and conditions at least forty-five (45) business days prior to the effective date of the modified permit when it is determined that:

i. Federal or state law requirements have changed in a manner that necessitates a change in the permit; or

ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is appropriate to modify the permit's terms, conditions or requirements; or

iii. A change to the permit is necessary to ensure compliance with the objectives of this Chapter or to protect the quality of receiving waters.

B. Cease and Desist Order. The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Cease and Desist Order. The Cease and Desist Order shall be delivered in accordance with Section 13.12.210. The Cease and Desist Order may direct the recipient to:

1. Immediately discontinue any action constituting a violation of this Chapter;
2. Immediately contain or divert any flow of non-stormwater off the premises where the flow is occurring in violation of any provision of this Chapter;
3. Clean up the area affected by the violation; and
4. Implement BMPs necessary to prevent a future violation.

Section 13.12.210. Notice.

Unless otherwise required under Chapter 1.14, any notice or order to be delivered pursuant to this Chapter shall be subject to the following:

A. The notice or order shall state that the recipient has a right to appeal the matter as set forth in Section 13.12.220 or in Section 1.14.060.

B. Delivery shall be deemed complete upon personal service to the recipient; deposit in the U.S. mail, postage pre-paid for first class delivery; or facsimile service with confirmation of receipt.

C. Where the recipient is the owner of the property, the address shall be the address from the most recently issued equalized assessment roll for the property or as otherwise appears in the current records of the City.

D. Where the owner or occupant of any property cannot be located after the reasonable efforts the notice shall be deemed delivered after posting on the property for a period of ten (10) business days.

Section 13.12.220. Appeal.

Except as provided for a notice of violation under Section 1.14.060, any person aggrieved by the decision of the officer, may file a written appeal to the director within 10 (ten) days following the date of delivery of the decision. Upon receipt of such request, the director shall request a report and recommendation from the officer and shall set the matter for hearing at the earliest practical date. At said hearing, all evidence and testimony deemed relevant and admissible by the Director shall be considered, and the Director may reject, affirm, or modify the officer's decision. Formal rules of evidence shall not apply. The decisions of the director shall be final. Failure to request a hearing or appear at the hearing shall constitute a waiver and failure to exhaust administrative remedies.

Section 13.12.230. Judicial Review.

The provisions of Code of Civil Procedure section 1094.5 are applicable to judicial review of determinations made by the director pursuant to this Chapter.”

**Section 2. Action to Challenge This Ordinance.**

Any action or proceeding to attack, review, set aside, void or annul this ordinance must

be commenced and the service made on the City no later than ninety (90) days after the effective date of the ordinance.

**Section 3. Conflicting Ordinances Repealed.**

Any ordinance or part thereof, or regulations in conflict with the provisions of this ordinance, are hereby repealed. The provisions of this ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this ordinance.

**Section 4. Severability.**

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that any one or more section, subsection, sentence, clause or phrase thereof be declared unconstitutional, invalid or ineffective.

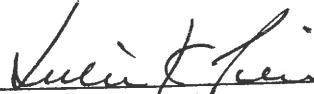
**Section 5. Effective Date and Publication.**

This ordinance shall become effective thirty (30) days after its adoption by the City Council. Within fifteen (15) days after the passage of the ordinance, the City Clerk shall cause a copy of the ordinance, including the names of the City Council members voting for and against it, to be posted in three (3) public places heretofore designated by resolution of the City Council for the posting of ordinances and public notices.

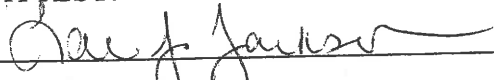
The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on the 19th day of March 2013, and PASSED, ADOPTED AND ORDERED posted at a regular meeting of the City Council of the City of Clayton on the 2nd day of April 2013, by the following vote:

AYES: Mayor Pierce, Vice Mayor Stratford, Councilmembers Diaz, Geller and Shuey.  
NOES: None.  
ABSENT: None.  
ABSTAIN: None.

APPROVED:

  
\_\_\_\_\_  
Julie K. Pierce, Mayor

ATTEST:

  
\_\_\_\_\_  
Laci Jackson, City Clerk

Laura/ordinance re stormwater management discharge control 2013



**C.3.h.iv. ► Table of Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Fill in table below or attach your own table including the same information.

The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.

These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) <sup>1</sup>	Party Responsible <sup>2</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>3</sup>	Type of Treatment/HM Control(s) Inspected <sup>4</sup>	Inspection Findings or Results <sup>5</sup>	Enforcement Action Taken <sup>6</sup>	Comments/Follow-up
CVS Pharmacy (private)	Center Street (16,000 sq ft single story commercial building; City conducts annual inspection; private maintenance)	No Installed apx. 2006	CVS and Endashon LLC (lessor; and property owner)	9/29/2013 10/1/2013	Annual; Follow Up	Filtration Planters/Bio-Retention Planters / Flo-Through Planters  On-Site	Minor leaf build up, no litter all vegetation healthy and properly trimmed	Inspector notified owner	Follow up inspection of 10/1/13 determined compliance (leaf build up removed)
				10/26/14 10/28/14	Annual; Follow Up	Filtration Planters/Bio-Retention Planters / Flo-Through Planters  On-Site	Leaf and debris build up in planters 1, 3 & 5	Inspector notified owner	Follow up inspection of 10/28/14 determined compliance (leaf build up removed)
				9/9/16	Annual; Follow Up	Filtration Planters/Bio-Retention Planters / Flo-Through Planters  On-Site	Clean of debris & leaves before heavy rain. Check to see if they change filter CB-1	Inspector notified owner	None

<sup>1</sup>Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

<sup>2</sup>State the responsible operator for installed stormwater treatment systems and HM controls.

<sup>3</sup>State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

<sup>4</sup>State the type(s) of treatment systems inspected (e.g., bio-retention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

<sup>5</sup>State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

<sup>6</sup>State the enforcement action(s) taken, if any.

**C.3.h.iv. ► Table of Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Fill in table below or attach your own table including the same information.

The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.

These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) <sup>1</sup>	Party Responsible <sup>2</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>3</sup>	Type of Treatment/HM Control(s) Inspected <sup>4</sup>	Inspection Findings or Results <sup>5</sup>	Enforcement Action Taken <sup>6</sup>	Comments/Follow-up
Flora Square (private)	Center/Oak Street (7,000 sq foot 2 story retail/office building; city conducts annual inspection; private maintenance)	No Installed apx. 2009	Dave Thomas NUCP Clayton LLC (property owner)	9/15/2013	Annual	Filtration Planters/Bio-Retention Planters On-Site	Satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	None	None
				10/01/14	Annual	Filtration Planters/Bio-Retention Planters On-Site	Satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	None	None
			Mr. Luis Munoz The Clayton Properties (property owner)	None					Sent 2 <sup>nd</sup> Violation Letter 10/31/16
Mitchell Creek Place (private)	High Street 9-lot single family subdivision; city conducts annual inspection; HOA private maintenance	No Installed apx. 2009	HOA	9/19/2013 10/1/2013	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Need to remove some silt/dirt build up; all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/1/13 determined compliance (silt/dirt removed)

					9/04/14 10/27/14	Annual Follow Up	Filtration Planters/Bio- Retention Planters On-Site	Lot 1 drain needs cap; all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/27/14 determined compliance (cap replaced) None
					9/19/16	Annual Follow Up	Planters Onsite/ Filtration	Good and capable of treating future runoff, no dead plants	None	None
Pine Hollow Estates (private)					9/19/2013 10/1/2013	Annual Follow Up	Filtration Planters/Bio- Retention Planters On-Site	Lot 1 had voids in perimeter stones or bio-filtration planter that need to be filled; Lot 2 planter mix has moss build up and need to be removed otherwise satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/1/13 determined compliance ( voids filled in and moss build up removed)
					9/04/14	Annual	Filtration Planters/Bio- Retention Planters On-Site	No issues.	None	None
					9/19/16	Annual; Follow Up	Filtration Planters/Bio- Retention Planters On-Site	Raised 4 of the overflows 6 inches. They need to check lot 8 overflow to see if's been raised 2 more inches. All lots in good condition with no issues.	None	10/5/16 Drive by for follow up inspection. Checked overflow.
Diablo Pointe (Estates) (private)					8/2013 1/10/2014	Annual Tract acceptance	Bio Retention Planters Vor Sentry Vor Sentry pre Treatment On-Site	All items installed in accordance with approved plans and properly functioning no maintenance issues identified. All on site LIDs of the residential lots completed to date were found to be in compliance	None	Has a Benefit Assessment District (BAD) that city oversees and City conducts maintenance and inspections on VorSentry; only conducts inspections for the on lot LID which



					9/9/16	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	1 dead plant in planter 2 needs to be replaced. Trash onsite but overall site condition is good & clean.	City Maintenance	None		
Oakhurst Fountain Landscaping (public)	Oakhurst Drive at Clayton Road	Yes	City of Clayton	9/19/13	Annual	Filtration Planters/Bio-Retention Planters On-Site	No issues. Plants healthy no litter.	None	None	None		
				9/6/14 10/1/14 10/15/14	Annual Follow Up Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Planter 2 - 3 dead plants Planter 3 needs weeding.	Inspector notified City Maintenance	Follow up inspection of 10/1/14 showed work not done. Notified City Maintenance. Follow up inspection on 10/15/14 to determine compliance (plants replaced and weeds removed)	None		
				9/9/16	Annual Follow Up	Filtration Planters/Bio-Retention Planters	All planters were healthy & cleaned of any leaves & trash	None	None	None		

Comments: No additional comments



*Community Park*  
*Clayton, CA*

*Storm Water Treatment*  
*Facilities*  
*FY 15-16*  
*2017 Winter Inspection*

**Richard W. Spencer**

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1691 Lilac Drive, Walnut Creek, CA 94595

(925) 250-2575

September 3, 2016

To: John Johnston  
Maintenance Manager, City of Clayton

From: Rick Spencer, President  
Redwood Canyon Construction, Inc.

Subject: Report of Findings  
Inspection storm water treatment facilities, Clayton, CA

Richard W. Spencer has been retained by John Johnston, City of Clayton's Maintenance Manager, to perform the annual inspection at the Clayton Community Park storm water treatment facilities. On August 31, 2016, I inspected and tested the three designated drainage and planter and two long slope swales at the site.

Our site inspection included:

1. One above ground planter # 1 at the end of the parking lot that catches part of the parking lot water runoff
2. Two ground level sloping filtration swales with concrete check dams, so parking lot runoff is caught
3. Two planters # 2 & 3 at end of swales for parking lot runoff.

I utilized the checklist for comprehensive annual inspection. The facility appears to be in good condition. Water had been running into the planter and drain inlets and no standing water was present. All caps and grates were in place. Catch basins and trench were free of all debris

Planter # 1 all plants look healthy

Planter # 2&3 all plants look healthy, the #2 has one dead plant. The check dams look good.

Planter #3 all plants look healthy, the swale is clean and all check dams look good

A major portion of the time taken during the inspection was spent on the testing of the 18 " sandy loam filtration capability. Water was flooded onto the surface of each of the five distinct beds in two to three areas of each bed sufficiently to puddle approximately 1 to 2 inches of water. All beds are planted and look good except as noted in the attached pictures.

Hose output of water was measured using a fixed container, allowing for local pressure differences. On average approximately 20 gallons per minute on planters 1, 2, 3 with timed flooding of 5 minutes each test. A table summary of observed filtration follows.

**Clayton Community Park – storm water treatment facilities testing 8/31/2016**

1. Planters

	Minutes Dispersed	Gallons Dispersed	Minutes to Absorption	Est. Infiltration inches per Hr.
P1 test 1	5	100	2	24
P2 test 1	5	100	2	24
P2 test 2	5	100	3	20
P3 test 1	5	100	4	15
P3 test 2	5	100	3	20
P3 test 3	5	100	3	20
P3 test 4	5	100	3	20

This year's test numbers were adjusted due to the unusually dry year and the beds being drier than years past tests

**Clayton Community Park**  
**CHECKLIST FOR COMPREHENSIVE ANNUAL INSPECTION**  
**(System-Wide; between September 15 and September 30 conducted by RWS)**  
**8/31/2016**

- Examine perimeter swales. Compare to as-built photographs and drawings. Confirm drainage has not been altered.
- Examine Parking lot paving and confirm flow to Swales 2 and 3 is unimpeded.
- Remove any debris from concrete swale and parking lot leading to planter 1, Swales 2 and 3.
  
- Check rocks at inlets and repair, replace or replenish.
  
- Examine each of the BMP's. Remove any accumulations of sediment, litter, and debris in the planter.
  
- Examine the overflow. Remove any debris. Repair any damaged or disconnected piping.
- Check cleanouts and confirm underdrain piping is intact and unobstructed.
  
- Observe the structure of the planters and repair any holes, cracks, or failure.
- Check that the soil surface is properly sloped and is at least eight inches below the surrounding grade at P1, P2 and P3.
- Check that the soil surface is level and is at least eight inches below the surrounding grade at IP1. Note condition of vegetation.
- Replace any dead plants. **See report and BMP log**
- Prune or remove any overgrown plants or shrubs that may interfere with operation of the planter.
  
- Remove any nuisance or invasive vegetation.
- Remove fallen leaves or debris and replenish mulch.
- Confirm that irrigation is adequate and not excessive.

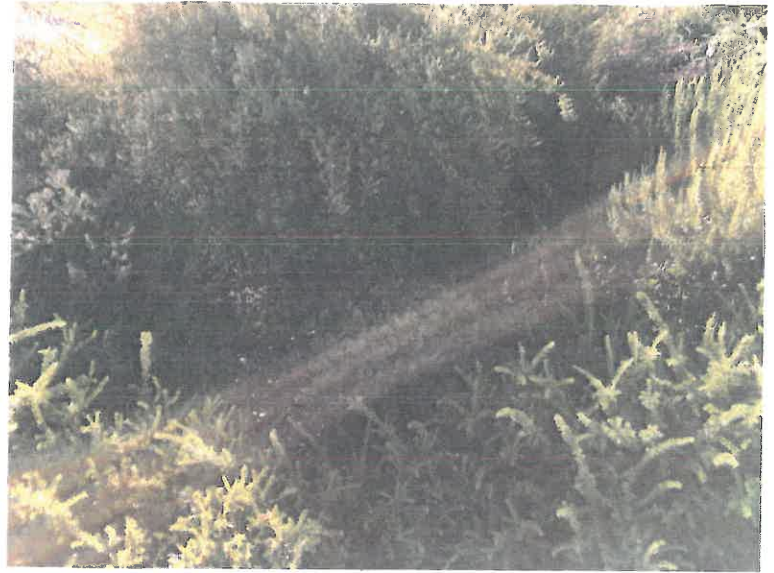
**Clayton Community park**  
**1. STORMWATER ANNUAL BMP INSPECTION AND MAINTENANCE LOGS**

Facility Name <b>Clayton Community park Marsh Creek Raad, Clayton</b>		End Date: <b>8/31/16</b>				8/31/16
Begin date: <b>9/9/15</b>						
Date	BMP ID #	BMP Description	Inspected By	Cause for Inspection	Exceptions Noted	Comments and Actions Taken
8/31/16	planter 1	end of parking lot	Richard W. Spencer (RWS)	Annual	Plants look healthy in most planters and swales	
8/31/16	planter 2	end of filtration swale		Annual		
8/31/16	planter 3	end of lower filtration swale		Annual		
8/31/16	SW2	200 ft. Filtration swale catching parking lot runoff	RWS	Annual Inspection	<b>One dead plant Planter 2</b> , see photos	Soil has maintained proper slope under growth conditions
8/31/16	SW3	195 ft Filtration swale catching parking lot runoff	RWS	Annual Inspection		





**Clayton Community Park**  
Planter # 1 DI



**Clayton Community Park**  
Planter # 1



**Clayton Community Park**  
Water test Planter # 1



**Clayton Community Park**  
Water test Planter # 2





**Clayton Community Park**  
Water test Planter # 1



**Clayton Community Park**  
Planter # 2 Dead Plant Please Remove



**Clayton Community Park**  
DI planter # 2 | reset 6 inch dam



**Clayton Community Park**  
Water test Planter # 3





**Clayton Community Park**  
Planter # 3



**Clayton Community Park**  
Water test Planter # 3



**Clayton Community Park**  
Planter # 3



**Clayton Community Park**  
Planter # 3



**Clayton Community Park**  
DI Planter # 3

*Oakhurst Water Feature*

*Clayton, CA*

*Storm Water Treatment*

*Facilities*

*FY 15-16*

*2017 Winter Inspection*



**Richard W. Spencer**

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1691 Lilac Drive, Walnut Creek, CA 94595

(925) 250-2575

September 3, 2016

To: John Johnston  
Maintenance Manager, City of Clayton

From: Rick Spencer

Subject: Report of Findings  
Inspection storm water treatment facilities, Clayton, CA

Richard W. Spencer has been retained by John Johnston, City of Clayton's Maintenance Manager, to perform the annual inspection at the Clayton Oakhurst water feature storm water treatment facilities. On August 31, 2016, I inspected and tested the four designated drainage and planters at the site.

Our site inspection included:

1. Three ground level planters # 2, #3 and #4 in the Island
2. One ground level planter #1 in the right front side of the water feature

I utilized the checklist for comprehensive annual inspection. The facility appears to be in good condition. Water had been running into the planter and drain inlets and no standing water was present. All caps and grates were in place. Catch basins were free of all debris

Planter # 1 all plants look healthy

Planter # 2, #3 and #4 all but noted plants look healthy

A major portion of the time taken during the inspection was spent on the testing of the 18 " sandy loam filtration capability. Water was flooded onto the surface of each of the four distinct beds in one of the areas of each bed sufficiently to puddle approximately 1 to 2 inches of water. All beds are planted and look good.

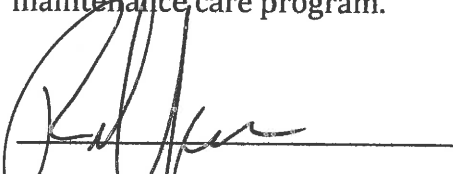
Hose output of water was measured using a fixed container, allowing for local pressure differences. On average approximately 20 gallons per minute on planters 1, 2, 3 and 4 with timed flooding of 2 to 3 minutes each test. A table summary of observed filtration follows.

**Oakhurst water feature storm water treatment facilities testing 08/31/2016**

1. Planters	Minutes Dispersed	Gallons Dispersed	Minutes to Absorption	Est. Infiltration inches per Hr.
P1 test 1	3	60	3	12
P2 test 1	3	60	3	12
P3 test 1	3	60	1	20
P4 test 1	3	60	2	18

This year's test numbers were adjusted due to the unusually dry year and the beds being drier than years past tests

The infiltration rate of 5" per hour has been met in all tests of 4 planter beds. The City of Clayton has this property under their professional ongoing landscape maintenance care program.



Rick Spencer

**Clayton Oakhurst Water Feature**  
**CHECKLIST FOR COMPREHENSIVE ANNUAL INSPECTION**  
**(System-Wide; between September 15 and September 30 conducted by RWS)**  
**8/31/16**

- Examine perimeter swales. Compare to as-built photographs and drawings. Confirm drainage has not been altered.
- Check rocks at inlets and repair, replace or replenish.
- Examine each of the BMP's. Remove any accumulations of sediment, litter, and debris in the planter.
- Examine the overflow. Remove any debris. Repair any damaged or disconnected piping.
- Check cleanouts and confirm under drain piping is intact and unobstructed.
- Observe the structure of the planters and repair any holes, cracks, or failure.
- Check that the soil surface is properly sloped and is at least eight inches below the surrounding grade at P1, P2, P3 and P4.
- Replace any dead plants.
- Prune or remove any overgrown plants or shrubs that may interfere with operation of the planter.
- Remove any nuisance or invasive vegetation.
- Remove fallen leaves or debris and replenish mulch.
- Confirm that irrigation is adequate and not excessive.

**1. STORMWATER ANNUAL BMP INSPECTION AND MAINTENANCE LOGS**

Clayton Oakhurst Water Feature

Facility Name  
Clayton OakHurst Water Feature at Oakhurst and March creek Road

8/31/16

Begin date:  
9/6/15

End Date: 8/31/16

Date	BMP ID #	BMP Description	Inspected By	Cause for Inspection	Exceptions Noted	Comments and Actions Taken
8/31/16	planter 1	Ground level planter	Richard W. Spencer (RWS) RWS	Annual	Plants look healthy all planters and swales " "	
8/31/16	planter 2	Ground level PB Island		Annual		
8/31/16	planter 3	Ground level PB Island		Annual		
8/31/16	planter 4	Ground level PB Island		Annual		



**Oakhurst Water Feature**  
Planter # 1



**Oakhurst Water Feature**  
Planter # 1 water test



**Oakhurst Water Feature**  
Planter # 1 water test



**Oakhurst Water Feature**  
Planter # 2





**Oakhurst Water Feature**  
Planter # 2 Water test



**Oakhurst Water Feature**  
Planter # 3



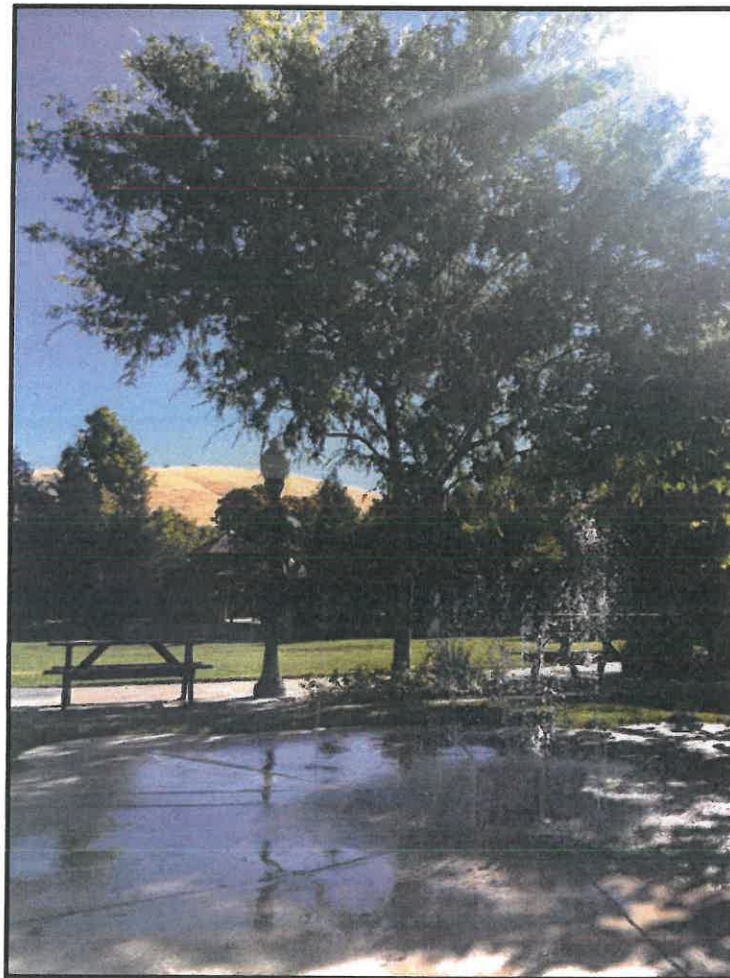
**Oakhurst Water Feature**  
Planter # 3 water test



**Oakhurst Water Feature**  
Planter # 4 Water Test

# CITY OF CLAYTON

## ADOPTED BUDGET FISCAL YEAR 2016-2017



Clayton, California  
[www.ci.clayton.ca.us](http://www.ci.clayton.ca.us)



**G. Stormwater Fund - No. 216**

This account manages the special parcel tax (labeled "ERUs" for Equivalent Runoff Units) levied locally to assist the City in compliance with unfunded State-mandated regulations through our National Pollution Discharge Elimination System (NPDES) Permit. It has been confirmed by case law (previously challenged and lost by southern California cities) that Regional Water Quality Control Boards do indeed have authority to levy unfunded mandates against pollution discharges (cities and counties) by virtue of the federal Clean Water Act and the California Porter-Cologne Water Quality Control Act.

By previous Council action long ago, this real property tax levy was maximized at its allowable cap in year 2000 currently netting the City \$81,943 for local use in FY 2016-17 (plus projected interest earnings of \$1,500). In reality, the parcel tax generates higher gross revenues (\$126,615). However, the following purposes snag portions of the City's local levy before ever touching our local coffers:

Contra Costa [Cities] Clean Water Program	\$	26,872	
Commercial Building Inspections by Sanitary District		8,000	
County Auditor-Controller Administrative Fee		3,800	
Reserve Fund for the Clean Water Program		3,000	
Flood Control District Management Expense		3,000	
<b>Total Revenue Offsets:</b>	<b>\$</b>	<b>44,672</b>	<b>35.28%</b>

In addition the City must pay an annual NPDES Regional Discharger Fee to the State projected to be approximately \$10,000, further dipping into the local assessment levied for the City.

The City's 5-year Stormwater Permit (MRP) is issued by the San Francisco Regional Water Quality Control Board. Public agencies, including Clayton, are now under requirements to elevate enforcement, monitoring measures, and treatment projects each year to ensure cleaner stormwaters. This permit, called MRP 2.0, was reissued last November. The permit contains additional and enhanced requirements for cities such

as: managing litter that can get into its drainage and creeks from private commercial properties; PCB and Mercury pollutant testing/monitoring; maintenance and enforcement activities; "green infrastructure" which would set forth standards for cities to redirect existing storm drainage water from streets, sidewalks and parking lots and buildings into landscape areas; and enhanced IPM policies, practices and mandatory training and certifications. These additional permit terms will continue to impact the fund's equity. As other cities in the state are experiencing similar funding constraints, discussions are being held state wide to support legislation that would allow for consideration by the voters of a constitutional amendment to Prop 218. If approved by the voters this amendment would allow for fees or assessments for Stormwater to be voted on locally or regionally by majority protest consistent with the method currently allowed for sewer and water rates.

MRP 2.0 requires information to be disclosed by June 30, 2016 to elected officials of the Green Infrastructure (GI) requirements. MRP 2.0 defines Green Infrastructure: Infrastructure that uses vegetation, soils, and natural processes to manage water and create healthier urban environments..., green infrastructure refers to stormwater management systems that mimic nature by soaking up and storing water. GI is designed to capture and reduce existing PCB including background levels, and Mercury. The second objective of GI is to recharge runoff into the ground creating more filtering and more natural infiltration into creeks and waterways. The permit mandates that retrofitting existing impervious surfaces with Green Infrastructure be evaluated, analyzed, planned for costed and reported upon.

The GI has two main elements to be implemented:

- Preparation of a Green Infrastructure Plan for the inclusion of bioswale/landscape planter (LID) drainage design into existing storm drain infrastructure, including streets, roads, storm drains, etc.
- Early implementation of Green Infrastructure Projects Green Infrastructure Plan

The Green Infrastructure Plan requirements and deadlines are:

- Prepare a framework or workplan to be approved by the Permittee's governing body by June 30, 2017, and submit it to the SF Regional Water Board.
- Prepare and show estimated costs/budget for a Green Infrastructure Plan and submit it to the SF Regional Water Board with the 2019 Annual Report.

The permit requires that in the 2016 Annual Report each Permittee review current infrastructure (capital improvement) projects, prepare a list of infrastructure projects planned for implementation that have potential for green infrastructure measures, and submit the list with each Annual Report, including:

*... a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practical*

*during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description for the project and the reasons green infrastructure measures were impracticable to implement.*

The Green Infrastructure Plans are intended to describe how each jurisdiction will, in the coming decades, shift their impervious surfaces and storm drain infrastructure from gray, or conventional, storm drain infrastructure where runoff flows directly in to the storm drain and then to creeks and the Bay, to a more resilient, sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention to detain, retain, and treat stormwater.

Cities will also be tasked to review and update as necessary their standard engineering designs and planning policies/ordinances to incorporate Green Infrastructure. The Contra Costa Clean Water Program (CCCWP), will provide guidance to the cities for reviewing capital improvement programs and projects, identifying green infrastructure potential, advancing planning and design of potential green infrastructure features, and documenting decisions regarding implementation of green infrastructure.

As noted the current permit contains mandated trash reduction requirements which are met through the implementation of the full trash capture devices. The City has installed and maintains 25 devices in its four Trash Management Areas. Through this effort we have been able to achieve 100% reduction in trash load baseline, and permit compliance. The City of Clayton is one of only a few cities to have already achieved this goal. However, recent refinements by the SF Regional Water Board to this requirement may require installation and maintenance of additional full trash capture devices to remain in compliance.

The new permit also requires the use of GIS for data base mapping and available to the public for viewing. The Clean Water Program has begun the establishment of a cloud based GIS mapping program as a group funded effort for all cities. Each city will have its own section for storm water mapping with the ability to have additional data layers as it desires. Therefore no additional city funds are needed at this time for GIS program.

Such Permit conditions necessitate ever-increasing expenditures which will eventually consume current levy revenues. Initial staff analyses reveal an additional \$225,000 to \$515,000 in annual costs could someday impact the City's fiscal operations for this state-mandated purpose alone. Only a Proposition 218 voter approval process can increase the levied rates. The failure of the Clean Water Coalition's Proposition 218 ballot in FY 2012-13 to raise levy revenues turned aside a potential \$93,700 for use in meeting state unfunded mandates for cleaner storm waters. Since the City reached its parcel levy cap 16 years ago there have been approximately 512 additional permit requirements



mandated by the SF Regional Water Board with no increase in revenue to offset the associated costs, thus resulting in the reduction of this Fund's equity reserve.

In the FY 2016-17 budget, the City's stormwater costs under the permit regulations exceed available revenues by approximately \$91,739, although the close of FY 2015-16 is expected to incur a lesser annual deficit of **\$54,232**. Fortunately for the moment there is projected to be reserve balance of approximately **\$99,608** at the start of FY 2016-17 in this restricted-use special revenue, sufficient to cover the projected annual shortfall. The erosion of the Fund's reserve balance over past years is directly a result of added Permit requirements imposed by the Regional Board in 1996 (referred to as "C-3 amendments") MRP (1.0), issued in 2010, and the current MRP 2.0 issued in November 2015, all as "unfunded mandates."

Labor-related expenditures from this Fund in FY 2016-17 (\$68,280) cover public works' labor for the City's municipal storm drain system, annual debris clearance of creeks and V-ditches, and proactive measures for the prevention of pollutants into these waters, which ultimately emerge into the San Francisco - Oakland Bay. Educational materials and supplies are also part of this Fund's budget, along with our membership in the Contra Costa County Clean Water Program. Recoverable expenses include that portion of staff time when working on clean water issues, programs, while Regional Water Quality Control Board directives target specific programs (e.g. "diaper" inserts in storm drain inlets) and local enforcement (e.g. fines). City Hall staff (Assistant to the City Manager) expends an inordinate portion of time (approximately one third or more) engaged in the management, administration and implementation of this federal and state mandated program for cleaner runoff waters. As such, the proposed budgeted transfer of \$35,890 to the City's General Fund to partially offset this incurred staff time is reasonable and essential.

As noted previously, the fund is projected to open the fiscal year with approximately \$99,608 in reserves, and projects a year-end fund balance on June 30, 2017 of \$7,869, a 92% loss in reserves. At this rate, the Stormwater fund will become depleted during or immediately following FY 2017-18 as feared, with the only sources of discretionary funds to patch the mandated gap are General Fund operational monies or use of General Fund reserves.

The monthly street sweeping contract totaling approximately \$44,100 in FY 2016-17 is paid through this fund as a program component of cleaner storm waters from street gutters. Partially offsetting revenue is tendered by real property owners through their trash bills projecting to be approximately \$38,310. The revenue estimate is slightly lower (13%) than the annual contract fee due to the revolving number of vacant homes in Clayton (closed accounts) and various delinquent and non-paying accounts slicing away at the revenue stream.

Required annual expenditures are absorbed into this fund for engineering services (\$5,000) and Other Professional Services (\$36,510). Necessary Engineering Services will assist in providing the City's response to the state mandate to perform additional drainage/green infrastructure analysis, evaluation and annual reporting of our mapped "trash management areas", and PCB analysis. The Other Professional Services line item reflect costs associated with state mandated programs involving drainage inlet insert cleanings (\$10,000), drainage inlet confined space cleaning (\$10,000), creek-side tree trimming (\$5,000), drainage inlet inspections and reports (\$3,000) and bio-swale inspections and reports for City properties (\$2,000). New private construction activities and newer private developments with storm water treatment have been addressed by the City Council to provide methods that are self-supported or cost recovery through the City charges for fees and services, Homeowners Association and/or Benefit Assessment Districts, and therefore do not impact the Storm Water Fund or the City's General Fund.


*As a friendly public reminder:* public streets and gutters are swept monthly to mitigate roadway pollutants from entering the storm drain system, not for street aesthetics or as the substitute broom for an abutting property owner's sweeping/clearance of leaves and debris from the front and/or side yard curbs of one's property.



Approved:


  
 Gary A. Napper  
 City Manager

# STAFF REPORT

**TO:** HONORABLE MAYOR AND COUNCILMEMBERS  
**FROM:** Laura Hoffmeister, Assist. to the City Manager   
**DATE:** April 5, 2016  
**SUBJECT:** Establishing 2016-2017 ERU Assessment Rate for Federal and State Mandated National Pollution Discharge Elimination System (NPDES) Program (Storm Water Pollution Prevention)

## RECOMMENDATION

Staff recommends the City Council adopt the attached Resolution, Establishing the Rate Per Equivalent Run off Unit (ERU) for FY 2016-17 and requesting the Contra Costa County Flood Control and Water Conservation District to adopt an Annual Parcel Assessment for Drainage and Maintenance and the National Pollutant Discharge Elimination System (NPDES) Program, maintaining the current ERU Rate at \$29.00 per single-family parcel.

## BACKGROUND

The 1987 Reauthorization of the Federal Clean Water Act, as well as similar State legislation, required local agencies to obtain a NPDES Permit for discharging the contents of municipal storm drainage water conveyance systems. As implemented and enforced by the State through the Regional Water Quality Control Board (San Francisco Bay Area Region), this permitting effort is intended to improve water quality in the Delta and San Francisco Bay Estuary System, protect endangered species, and safeguard public waters and waterways for continued economic, recreation and health purposes. Stormwater runoff pollution has been identified as a significant impact on water quality and wildlife in the Bay Area by the State and Federal Governments. During wet weather, large amounts of pollutants, such as oil and grease from automobiles, heavy metals from vehicle exhaust and brake pads, such as copper and lead, pesticides, herbicides and fertilizers from lawns and gardens, soil erosion, and biological material enter the storm drain system and ultimately empty, untreated, into creeks, waterways, the Delta and the Bay.

The City participates and obtained its joint NPDES permit from the SF Regional Water Quality Control Board via the Contra Costa Clean Water Program whose participants include the cities within the County, the County and the Flood Control District. The City of Clayton has participated since its inception in September 1993. The SF Regional Water Quality Control Board issued the 4<sup>th</sup> five-year permit in November 18, 2015. For FY 2015/16 – 2019/20. This permit, called the Municipal Regional Permit 2.0 (MRP 2.0), covers many counties and cities in the Bay Area. MRP 2.0 permit allows the City and other jurisdictions to utilize the storm water drainage system for the discharges into creeks that ultimately drain into the bay. This joint participation allows for the program management and permit process costs to be kept to a minimum through economies of scale and local and regional collaboration, at a fraction of the cost of doing it alone. The program provides for a regional approach to stormwater pollution control, regional monitoring, public education and outreach, technical support and training, special studies and NPDES permit administration requirements.

As part of its permit conditions, Clayton is required to implement a comprehensive Stormwater Management Plan (SWMP). The SWMP includes public participation and inter-governmental coordination designed to reduce the discharge of pollutants into the storm drainage system to the maximum extent practicable through the required implementation of 500 plus Best Management Practices and other requirements (about 350 pages in long with an annual report checklist that is 100 pages in length), or BMP's as they are commonly referred. (For comparison: in 1993 first there were 12 BMP's, about 5 pages in length, all related to municipal maintenance activities such as drainage inlet cleaning and v-ditch cleaning. In 1997 there were 257 BMP's covering 40 pages. In FY 03-04 c3 amendments – an additional 75 pages were added to the permit by the Regional Board, requiring increased regulation and monitoring activities for development/construction controls, municipal maintenance, public education and outreach, illicit discharge and inspection, and documentation and reporting. In 2009 the document grew to 300 pages with 216 requirements).

Staff is aware the cost of meeting the obligations of the increased requirements contained in the MRP 2.0 will begin to exceed our revenues received from the ERU. The annual estimated shortfall for FY16-17 is expected to be \$50,000 which will be able to be covered by the Stormwater Reserve Fund balance. Although difficult to fully identify all future additional costs at this point, staff has identified the minimum estimated cost impacts by the new regulations to the City could further outpace revenues. Some new items required by MRP 2.0 include more elimination of litter going into storm drains; more monitoring and reporting on our storm drain inlets trash capture devices (which capture litter before going to the creek), and "green infrastructure" which would set forth standards for cities to redirect their existing storm drainage water into landscape areas; and reduction of PCB contained in caulk and joint compounds between 1950 and 1980 in non-wood frame construction, by having cities regulate certain demolition and tenant improvements similar to that now done for asbestos and lead paint for homes and businesses through the planning and building permit process.

When the program was originally established in 1993, the rate cap for the current parcel fee in Clayton was set by the City Council at \$29/ERU. Because other members of the Clean Water Program also have the same issues (costs exceeding available revenue available from the ERU rate) a cost/revenue analysis was undertaken by the Contra Costa Clean Water Program to evaluate possible additional funding mechanisms for the added requirements of the MRP. The Clean Water Program attempted three times the pursuit of legislation to add stormwater to the definitions of other utilities such as sewer and water and was not successful in receiving needed legislative support, or getting out of committee, and there is not any support by the governor and his staff. It was after these state wide attempts were fruitless, our staining local funding and the continuing increased requirements by state regulating agencies that led to the 2012 Prop 218 property owner vote for a new parcel fee. The new second revenue measure did not pass. Local revenues for stormwater quality protection have been level since 2000—while compliance costs continue to increase. Additional state legislation is being perused to establish a process to allow for future local voter consideration of new stormwater revenues. However, in order to continue to receive our existing current ERU rate of \$29 per single family parcel (the same amount levied since FY1999/2000) must be levied. Failure to levy this fee would result in the City need to consider use of its General Fund, and/or a local city specific revenue measure since the regional Prop 218 measure did not receive sufficient voter support for passage.

## **DISCUSSION**

Staff currently participates, as is required by the program agreement and state permit, on the Clean Water Program's New Development Construction Controls Committee, MRP Implementation sub-committee, and Management Committee; and as needed –usually quarterly in the Administrative and Finance Committee and the Monitoring and Inspection Committee. City staff typically attends and participates in 4-5 meetings per month on just this subject.



One of the largest components of the unfunded mandates was the trash load analysis and reduction program that cities had to undertake. This provision required cities to reduce their trash pollution load by 40% by 2014, and completely eliminate (100% reduction) by 2020. The City of Clayton did accomplish the installation of 25 trash capture devices and has reduced its trash load to almost the 100% level at this time, about 5 years before the deadline. The trash capture devices and their installation were covered through ABAG grants that the City Maintenance staff received. However there are not any new funds to address the mandated studies and documentation that cities must file as part of its Annual Report to the State. They include mandatory maintenance items such as clearing of trash along specific areas of creeks and drainage inlets; the quantification of the materials collected; enforcement action (issuance of citations) to individuals for pollution runoff; creeks and waterways testing, mapping, monitoring and of all creeks and all outfalls to creeks, and specific on-going litter removal down to the size of a cigarette butt of litter on certain distance of creek segments and the cleaning of private drainage inlets (we currently do public inlets only). The reporting format requires cities a computer data base for mapping, reporting and monitoring information and transmitting electronically to the SF Regional Water Board where they will post to a public accessible web site. The Clean Water Program is establishing a cloud based GIS mapping project where we will have access to GIS data base, therefore at this time there is not a need to undertake a individual city effort to comply with this permit requirement. Another focus of the permit is increased and/or enhanced inspections to commercial businesses. The City contracts with Central Contra Costa Sanitary District to perform these inspections, as they have the special training needed to undertake and most of the businesses are restaurant businesses which they already periodically inspect. The permit also requires all maintenance staff and city contractors that apply herbicides or pesticides to be certified in Integrated Pest Management Practices (IPM), and Bay Friendly Certified, and for cities to have local IMP management plans and/or ordinances. The City has obtained compliance by ensuring that one of its Maintenance Supervisors (John Johnston), its outside noxious weed abatement contractor (Envirotech), and building pesticide contractor (Western Exterminator) are all Bay Friendly Trained and Certified applicators.

Another on-going issue is litigation. Certain third-party interest groups have repeatedly brought legal action against the EPA, State and Regional Agencies, the cities, county, and our Clean Water Program. These court actions have in the past increased costs for legal defense and added to the program requirement standards issued by the State, or as a result of judicial decisions. The Environmental organizations recently filed an appeal with the State on the new MRP 2.0. To minimize the potential future legal costs the group program costs have included encumbrances of some group Program funds for this purpose. To date Save the Bay has been closely monitoring the Trash Load Analysis and Action Plans. Based upon some recent email received from them it appears they are concerned that cities plans may not be aggressive enough to reduce trash pollution to meet the permit requirement time frames. (Due to City staff robust efforts at installing at key areas full trash capture devices, it appears that Clayton may not fall into future scrutiny on this item.)

Overall the City's total costs are comprised of two components, one consisting of the pro rata share of group costs based upon population. The other is the management and maintenance activities undertaken by the City and its contracts with others for required activity implementation and monitoring and reporting. All program staff and permittees (cities and county) have been and continue to make strong efforts to control costs at the program level. However, funds for the MRP 2.0 permit, technical and legal work, education and outreach, implementation of programs to address recent pollutants of concerns (green infrastructure, PCB, etc.), and ongoing and enhanced TMDL's, trash, enforcement, have increased these State unfunded mandate costs on cities and counties.

#### **ASSESSMENT AND PROGRAM BUDGET**

The Group's Clean Water Program Budget for FY 2016-17 is \$2.6 million, about the same as last year. Future budget years will see Group Program increase more to address some of the new permit requirements. Increased costs for 2016-17 are being addressed by carry over or encumbrances of this



year's funds to help reduce or smooth out increases; thus minimizing the impact (reduction) in return to source funds.

For FY 16-17 the City of Clayton's pro rata share of the Programs cost is 1.02%, apx. \$26,872, an increase of \$300 over last year. Future costs increases and lack of Program carry over funding in future years will result in ongoing Programs Costs budget increases, this will result in less return to source funds to undertake the added local city permit requirements.

It is currently estimated that for FY 16-17 the gross revenues from Clayton's assessment will total approximately \$126,615, the same as last few years. Of this \$26,872 is allocated to the Clean Water Program administration and group expenses; \$3,800 to the County Auditor for costs related to assessment collection; \$8,000 to the Sanitary District for commercial inspection, monitoring and municipal requested call out inspections; \$3,000 to the District for fiscal and assessment area management, \$3,000 for program reserve, and \$10,000 for our annual state discharge permit fee. Thus, the remaining funds available to the City, for all other activities are approximately \$71,943 a decrease of \$297 over this fiscal year 2015-16 budget (note: over last two years there will have been a decrease of almost \$9,000 in return to source funds, and a reduction of \$23,900 per year less than we received in 2009). Approximately fifty-five percent of the City's funds are directly spent on labor costs of maintenance activities required by the program, such as storm drain inspection and cleaning, creek clearing; responding to spill calls; the remaining is divided between equipment and materials; monitoring and inspection; and management and reporting. For fiscal year 15-16 (this fiscal year) it is projected that \$30,000 may be needed from the Stormwater Reserve Fund. It is expected that about \$50,000 may be needed from the \$133,434 estimated Stormwater Fund Reserve use in FY 16/17 (mostly to comply with the MRP 2.0 trash management and monitoring requirements; and green infrastructure analysis). Any future FY shortfalls are anticipated to be covered by the City's Stormwater Fund reserves. Thereafter, if additional revenues are needed, the City must default to consider use of its General Fund, and/or a local city specific revenue measure since the regional Prop 218 measure did not receive enough support for passage.

To continue the local revenue source necessary to fund the unfunded mandates by federal and state government regulations, the City annually authorizes the Contra Costa Board of Supervisors to direct the Contra Costa Flood Control and Water Conservation District to establish a storm water utility area for the City and to impose benefit assessments on all applicable parcels within the City of Clayton. This item is the annual consideration to request the local assessment levy which provides funding to the Federal and State Clean Water program mandates which the City must undertake and participate in according to Federal and State law. **Staff recommends no increase to the rate for FY 2016-17; it will be the same rate as the last seventeen fiscal years, which is \$29.00 per ERU.**

Since the City is not exceeding the current rate cap and not increasing the voter approval requirement of Prop. 218 process does not apply. A single family detached dwelling is typically one ERU; homes on lots 20,000 sq. ft. or larger are allocated 1.7 ERU's; attached homes (e.g., townhomes and duets) are 0.7 ERU. This formula is the same throughout all Contra Costa communities and all cities and the County funds their NPDES costs through the ERU assessments.

### **FISCAL IMPACT**

Although a Federal and State Mandated program, cities do not receive any revenues from the Federal and State Government to offset or cover the mandated requirements. Consequently, the Stormwater Utility Rate and Assessment areas were established in 1993 by the County and the Cities to develop a funding source to cover the costs of the Federal and State mandates.

The recommended assessment for FY 2016-17 is the same rate that is currently in place. Should the City not authorize the Flood Control District to establish and collect the annual assessments, the City still has the financial and legal responsibility to perform the Permit requirements but would not receive the apx. \$126,615

generated by the annual assessment. Mandated activities would need funding from another source, such as the General Fund. Given the high level of commitment of the General Fund to other City programs and projects, prior state "takes" of local funds, loss of redevelopment funds, the recent economic downturn, and fixed cost impacts to the General Fund, these NPDES costs, if paid for by the General Fund, would adversely impact other services and operations the City currently provides to the community. It must be noted here the Regional Water Quality Control Board and several case laws consistently declare clean storm water are of the utmost state priority and public agencies have been given the tools (i.e.: local taxing authority) to receive additional revenues for their purpose by garnering local voter approval to tax themselves more for this mandate.

Additional implementation measures such as that needed for monitoring and maintenance of new Stormwater facilities required under our mandated permit and installed as part of new construction within Clayton (C-3), have been addressed by the City Council to provide for methods that are self supported by the new development such as Benefit Assessment Districts or Homeowners Associations or combination thereof, or other approach that would not financially impact the city and its general funds. This Council-directed policy minimizes potential impacts to the under-funded Stormwater fund or the City's General Fund for the permanent new development installed specific requirements to meet the new state regulations. However not covered by these are the general overall reporting, enforcement action and trash reduction action plans, commercial inspections, monitoring enhancements required by the regional board are reasons that the current assessment fee should be continued.

### **CONCLUSION**

To continue the revenue source required to fund the state mandated activities the City annually authorizes the Contra Costa Board of Supervisors to direct the Contra Costa Flood Control and Water Conservation District to impose annual benefit assessments on all applicable parcels within the City of Clayton. The attached Resolution would maintain the current Stormwater Utility Rate assessment of \$29.00 per ERU for FY 2016-17.

### **Attachments:**

- Proposed ERU Resolution for FY 2016-2017
- Clean Water Program Budget costs and cost sharing formula FY 2016-17
- Stormwater Fund 216 Budget

RESOLUTION NO. \_\_-2016

**A RESOLUTION ESTABLISHING THE RATE PER EQUIVILANT RUN-OFF UNIT (ERU) FOR FY 2016-2017 AND REQUESTING THE CONTRA COSTA FLOOD CONTROL AND WATER CONSERVATION DISTRICT TO ADOPT AN ANNUAL PARCEL ASSESSMENT FOR DRAINAGE MAINTENANCE AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**THE CITY COUNCIL  
City of Clayton, California**

**WHEREAS**, under the Federal Water Quality Act [33 U.S.C. Section 1342 (p)], certain municipal stormwater discharges require a permit from the appropriate federal or state authorities pursuant to the National Pollutant Discharge Elimination System (NPDES) program; and

**WHEREAS**, the City of Clayton, in conjunction with other affected jurisdictions within Contra Costa County, applied to the State Regional Water Quality Control Board and received a Joint NPDES Permit which requires the implementation of a Storm Water Management Plan and Best Management Practices to minimize or eliminate pollutants from entering stormwaters; and

**WHEREAS**, Assembly Bill 2768 ( West's Water Code Appendix, Section 63-12 and 63-12.9) authorizes the Contra Costa County Flood Control and Water Conservation District (District) to establish Stormwater Utility Areas (SUA) and to levy annual benefit assessments for the purpose of carrying our activities required under the NPDES program; and

**WHEREAS**, it is the intent of the City to utilize funds received from its Stormwater Utility Area (SUA) for implementation of the NPDES program and local drainage maintenance activities; and

**WHEREAS**, at the request of the City, the Contra Costa County Flood Control District and Water Conservation District (District) has completed the process for the formation of a SUA, including the adoption of the Stormwater Utility Assessment Drainage Ordinance No. 93-47; and

**WHEREAS**, the SUA and Program Group Costs payment agreement between the City and the District requires that the City of Clayton annually, by May 1, determine its rate to be assigned to a single ERU for the forthcoming fiscal year.

**WHEREAS**, the City Council adopted Resolution 9-93, which established the range of the annual assessment to be imposed by the District within the storm water utility area not to exceed \$29 per ERU.

**WHEREAS**, the City of Clayton has been at its maximum \$29 per ERU rate since FY 1999-2000 (the last seventeen fiscal years) and this same rate is proposed again for FY 2016-2017.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of Clayton, California does hereby determine that its rate to be assigned to a single ERU for FY 2016-2017 shall be set and assessed at \$29.00

**BE IT FURTHER RESOLVED**, that the City Council of Clayton, California, does hereby request the Contra Costa Flood Control and Water Conservation District to adopt the SUA levies based on the above established rate.

Adopted by the City Council of the City of Clayton, California at a regular meeting of thereof held on April 5, 2016, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

The City Council of Clayton, CA

\_\_\_\_\_  
Howard Geller, Mayor

ATTEST:

\_\_\_\_\_  
Janet Brown, City Clerk

I hereby certify that the foregoing resolution was duly and regularly passed by the City Council of the City of Clayton at a regular meeting held on April 5, 2016.

\_\_\_\_\_  
Janet Brown, City Clerk



**CONTRA COSTA CLEAN WATER PROGRAM  
GROUP COSTS METHODOLOGY & ALLOCATION  
FOR FISCAL YEAR 2016/17**

City/County/State	January 1, 2014	January 1, 2015 <sup>(1)</sup>	Percent Change	Prorata % of Program <sup>(2)</sup>	Budget <sup>(3)</sup> Allocation
<b>CONTRA COSTA COUNTY</b>	<b>1,087,008</b>	<b>1,102,871</b>	<b>1.46%</b>		<b>\$ 2,625,516</b>
ANTIOCH	106,455	108,298	1.73%	9.82%	\$ 267,816
BRENTWOOD	54,741	56,493	3.20%	5.12%	\$ 134,488
CLAYTON	11,200	11,288	0.79%	1.02%	\$ 26,872
CONCORD	124,656	126,069	1.13%	11.43%	\$ 300,122
DANVILLE	43,176	43,694	1.26%	8.96%	\$ 104,012
EL CERRITO	24,087	24,288	0.83%	2.20%	\$ 57,820
HERCULES	24,572	24,713	0.57%	2.25%	\$ 58,980
LAFAYETTE	24,659	25,154	2.01%	2.28%	\$ 59,882
MARTINEZ	36,842	37,334	1.34%	3.89%	\$ 88,997
MORAGA	16,348	16,466	0.72%	1.49%	\$ 39,199
OAKLEY	38,073	38,789	1.88%	3.52%	\$ 92,342
ORINDA	18,089	18,612	2.89%	1.69%	\$ 44,308
PINOLE	18,794	19,515	3.84%	1.72%	\$ 45,103
PITTSBURG	66,368	67,628	1.90%	6.13%	\$ 160,997
PLEASANT HILL	53,672	54,162	0.91%	3.10%	\$ 81,327
RICHMOND	106,138	107,346	1.14%	9.73%	\$ 255,550
SAN PABLO	29,465	29,750	0.90%	2.70%	\$ 70,776
SAN RAMON	77,270	78,561	1.67%	7.12%	\$ 187,024
WALNUT CREEK	66,183	66,858	1.01%	6.06%	\$ 159,187
UNINCORP. COUNTY	166,048	168,323	1.37%	15.26%	\$ 400,713
				100.00%	\$ 2,625,516

1. Population estimate based on State of California Department of Finance (E-1) City/County projections- January 1, 2015. Figures are updated in May of each year.
2. Percentages based on prorata of population.
3. Budget Allocation amounts are the prorata portion of the FY 2016/17 Group Program Budget, which includes contingency.



City of Clayton  
Stormwater Fund 216  
Adopted Budget 2015-16

Account Number	Account Name	2013-14 Actual	2014-15 Adopted Budget	2014-15 Projected	2015-16 Projected Budget	2016-17 Estimated Draft Budget
7111	Salaries/Regular	20,552	19,150	32,640	28,900	30,000
7112	Temporary Help	6,078	6,580	11,780	12,870	13,000
7218	LTD Insurance	118	160	310	270	300
7220	PERS Retirement	3,529	4,640	9,790	8,900	9,000
7231	Workers Comp Insurance	981	1,090	1,124	1,890	2,000
7232	Unemployment Insurance	582	400	590	660	700
7233	FICA Taxes	780	790	1,430	1,410	1,500
7246	Benefit Insurance	3,381	4,700	6,000	5,900	6,000
7311	General Supplies	3,155	11,800	8,832	9,300	10,000
7373	Education and Training	992	5,000	1,000	1,000	1,500
7389	Misc. Expenses	54	500	500	500	500
7409	Street Sweeping Services	42,000	43,260	42,000	44,100	44,100
7412	Engineering Services	8,788	10,000	10,000	10,000	10,000
7419	Other Prof. Services	2,830	38,349	19,626	38,349	38,000
7520	Project/Program Costs - Outreach	-	4,500	4,500	4,500	4,500
8101	Transfer to General Fund	33,183	34,112	34,112	34,944	35,000
<b>Total Expenditures</b>		<b>127,003</b>	<b>185,031</b>	<b>184,234</b>	<b>203,493</b>	<b>206,100</b>
Stormwater Assessment ERU Gross			126,615	126,308	126,615	126,615
NPDES Group Program costs			(25,842)	(25,265)	(26,575)	(26,872)
Commercial Insp by Central San			(8,000)	(8,000)	(8,000)	(8,000)
Flood Control Dist Fiscal Mgmt Cost			(3,000)	(3,000)	(3,000)	(3,000)
County Auditor/Controller Costs			(3,800)	(3,800)	(3,800)	(3,800)
Adjusted Fund Balance			(3,000)	(3,000)	(3,000)	(3,000)
7481	State Regional Annual Discharge Fee	9,594	(10,000)	(8,740)	(10,000)	(10,000)
Less Reserve			-	-	-	-
4602	Net Assessment Revenue	93,982	82,973	83,243	82,240	71,943
4603	Stormwater O & M Annual Fee	1,716	1,716	2,172	2,172	2,172
5324	Street Sweeping Fees	38,570	38,720	38,780	38,780	38,780
5601	Interest	1,514	1,300	1,200	1,200	1,200
5606	Unrealized Inv. Gain/Loss	(591)	-	-	-	-
6007	Transfer from Landscape Maintenance Fund	912	912	912	912	912
6028	Transfer from Diablo Estates BA Fund	456	456	-	-	-
<b>Total Revenue</b>		<b>136,559</b>	<b>126,077</b>	<b>126,307</b>	<b>125,304</b>	<b>115,007</b>
<b>Increase (Decrease) in Fund Balance</b>		<b>9,556</b>	<b>(58,955)</b>	<b>(24,610)</b>	<b>(30,000)</b>	<b>(50,000)</b>
<b>Beginning Fund Balance</b>		<b>178,488</b>	<b>188,044</b>	<b>188,044</b>	<b>163,434</b>	<b>133,434</b>
<b>Ending Fund Balance</b>		<b>188,044</b>	<b>129,089</b>	<b>163,434</b>	<b>133,434</b>	<b>83,434</b>

City of Clayton CIP 2015/16 - 2019-2020 Green Infrastructure Assessment

Project Number	Project Category	Brief Project Description	estimated project cost without greenspace if applicable	funding status	MRP - NPDES greenspace potential	Notes
10420	Creeks	Pedestrian Creek Bridge Improvements at Mt Diablo Elementary	\$ 196,030.00	unfunded future wishlist	No	
10421	Creeks	Cardinet Creekside Trail Repair	\$ 75,000.00	partially funded	No	
10337A	Facilities	Keller House Rehabilitation	\$ 1,780,477.00	unfunded future wishlist	N/A	maybe
10400	Other	Downtown Economic Development	\$ 1,007,063.00		No	
10375	Parks	Samuel Ct. Park	\$ 75,000.00	unfunded future wishlist	N/A	maybe
10393	Parks	Skateboard Park	\$ 750,000.00	unfunded future wishlist	N/A	maybe
10419	Parks	Community Park Lighting, etc.	\$ 4,084,000.00	unfunded future wishlist	No	
10422	Sewers	El Molino Drive Sanitary Sewer Impr.	\$ 317,758.00	unfunded future wishlist	maybe	
10394A	Streets	ADA Compliance Program	\$ 500,000.00	some funding (\$6,000)	N/A	maybe
10395	Streets	Catch Basin bar over opening	\$ 100,000.00	unfunded future wishlist	No	
10396	Streets	East Marsh Creek Road Signal	\$ 350,000.00	unfunded future wishlist	N/A	maybe
10397	Streets	Utility Undergrounding	\$ 3,000,000.00	unfunded future wishlist	maybe	
10414	Streets	East Marsh Creek Rd. Upgrade	\$ 1,081,000.00	unfunded future wishlist	maybe	
10424	Streets	2015 Neighborhood Street Repaving within existing ROW	\$ 774,229.00	funded	No	
10425	Streets	Collector Street Repaving within existing ROW	\$ 430,000.00	funded	No	
10432	Streets	2016 Neighborhood Street Repaving within existing ROW	\$ 969,600.00	funded	No	
10436	Streets	2018 Neighborhood Street Repaving within existing ROW	\$ 834,000.00	funded	No	
LMD	Landscaping	Subdivision Median entry relandscape (no removal of existing curb)	\$ 300,000.00	funded	No	

may only be installing truncated dome mats at existing ramps  
poles might be placed in dirt  
Rule 20 A funds after \_\_\_ yrs are \$ \_\_\_ funds may be redirected to other applicable areas  
council may have removed from CIP repaving within existing ROW not below subgrade  
repaving within existing ROW not below subgrade  
repaving within existing ROW not below subgrade  
repaving within existing ROW not below subgrade  
no removal of existing curb replace existing irrigation and plants

# Attachments

## City of Clayton

### for Section C-4



## Summary of Stormwater Inspection Program Effort by City Fourth Quarter Reporting Period FY 15/16

revised 7/29/16

City	Initial/Reinsp. Inspections			Annual Target	Inspected to date vs Annual Target		4th Qtr Labor & Overhead	1st-3rd Qtr Labor & Overhead	Total Billed to date (FY)	FY Budget	Billed to date vs Budget (%)
	4th Qtr	1st-3rd Qtr	Inspections to date (FY)		Annual Target	Annual Target					
Antioch	31	19	50	48	104%	✓	\$7,808.10	\$5,513.17	\$13,321.27	\$23,900	55.7%
Clayton	2	7	9	8	113%	✓	\$1,154.36	\$2,160.95	\$3,315.31	\$3,983	83.2%
Concord	61	176	237	214	111%	✓	\$30,731.62	\$65,260.75	\$95,992.37	\$106,555	90.1%
Danville	16	45	61	57	107%	✓	\$8,050.48	\$22,204.58	\$30,255.06	\$28,381	106.6%
El Cerrito	11	30	41	40	103%	✓	\$2,347.71	\$5,885.77	\$8,233.48	\$21,908	37.6%
Hercules	7	9	16	16	100%	✓	\$2,066.59	\$3,779.63	\$5,846.22	\$8,763	66.7%
Lafayette	7	27	34	32	106%	✓	\$3,530.47	\$13,465.21	\$16,995.68	\$15,933	106.7%
Martinez	22	53	75	67	112%	✓	\$11,558.38	\$21,155.90	\$32,714.28	\$33,361	98.1%
Moraga	5	15	20	18	111%	✓	\$1,678.06	\$4,618.94	\$6,297.00	\$8,963	70.3%
Orinda	4	13	17	15	113%	✓	\$2,677.67	\$4,494.28	\$7,171.95	\$7,469	96.0%
Pittsburg	37	18	55	55	100%	✓	\$8,941.99	\$5,162.52	\$14,104.51	\$27,386	51.5%
Pleasant Hill	15	44	59	54	109%	✓	\$7,925.02	\$21,547.68	\$29,472.70	\$26,888	109.6%
Richmond	27	33	60	69	87%	✓	\$8,496.23	\$9,000.37	\$17,496.60	\$34,356	50.9%
San Pablo	4	26	30	30	100%	✓	\$1,361.09	\$12,109.93	\$13,471.02	\$14,938	90.2%
San Ramon	26	61	87	77	113%	✓	\$9,306.10	\$25,890.49	\$35,196.59	\$38,340	91.8%
Walnut Creek	48	135	183	165	111%	✓	\$23,017.42	\$50,557.47	\$73,574.89	\$82,157	89.6%
<b>Totals</b>	<b>323</b>	<b>711</b>	<b>1034</b>	<b>965</b>	<b>107%</b>		<b>\$130,651.31</b>	<b>\$272,807.64</b>	<b>\$403,458.95</b>	<b>\$483,281</b>	<b>83.5%</b>

**Note:** Reporting period for El Cerrito, Hercules, Richmond, and San Pablo (WCWD services) is 4/1/16 through 6/30/16.

**Note:** Reporting period for Antioch and Pittsburg (Delta Diablo services) is 4/1/16 through 6/30/16.

**Note:** Reporting period for remaining cities (CCCSO services) is 3/18/16 through 6/30/16.



## City of Clayton FY 16-17 Inventory

Name	Address	City	Program Category
Diamond Terrace	6401 Center Street	Clayton	Assisted Living
Clayton Club Saloon	6096 Main Street	Clayton	Bar Only
Kindercare	6095 Main Street	Clayton	Child Day Care
Endeavor Hall	6008 Center Street	Clayton	Commercial
Dryclean USA	5435 Clayton Road M	Clayton	Dry Cleaner
Valley Cleaners	5425 Clayton Road	Clayton	Dry Cleaner
City Of Clayton Maintenance Facility	5901 Heritage Trail	Clayton	Fleet Operations
US Post Office	6150 Center Street	Clayton	Fleet Operations
Canesa's Brooklyn Heros	6026 Main Street	Clayton	Food Service
Carl's Jr Restaurant	1530 Kirker Pass Road	Clayton	Food Service
Casa Gourmet Burrito	5435 Clayton Road F	Clayton	Food Service
Center Street Deli & Café	6101 Center Street	Clayton	Food Service
Cinco De Mayo Mexican Restaurant	5415 Clayton Road	Clayton	Food Service
Coldstone Creamery	1536 Kirker Pass Road B	Clayton	Food Service
Country Waffles	5435 Clayton Road B	Clayton	Food Service
Cup O' Jo	6054 Main Street	Clayton	Food Service
Ed's Mudville Grill	6200 Center Street	Clayton	Food Service
JJ Hawaiian Bbq	5435 Clayton Road A	Clayton	Food Service
La Veranda Café	6201 Center Street	Clayton	Food Service
Little Caesars Pizza	5433 Clayton Road L	Clayton	Food Service
Moresi's Chop House	6115 Main Street	Clayton	Food Service
Papa Murphy's Take 'n Bake	5433 Clayton Road H	Clayton	Food Service
Pavilion Bar And Grill	1508 Kirker Pass Road	Clayton	Food Service
Skipolini's Pizza	1035 Diablo Street	Clayton	Food Service
Starbucks Coffee	1536 Kirker Pass Road A	Clayton	Food Service
Subway	1026 Oak Street 103	Clayton	Food Service
Subway	1536 Kirker Pass Road C	Clayton	Food Service
Sweet Bakery	5435 Clayton E	Clayton	Food Service
Village Market	6104 Main Street	Clayton	Food Service
Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	Golf Course
Oakhurst Country Club - Indianhead Maintenance Facilites	2500 Indian Head Way	Clayton	Golf Course
Safeway Food And Drug	5431 Clayton Road	Clayton	Grocery Store
Shop & Go Market	5421 Clayton Road	Clayton	Mini-Market
Sherwin - Williams	5443 Clayton Road	Clayton	Paint Shop
CVS Pharmacy	6490 Clayton Road	Clayton	Retail
R & M Pool Patio And Garden	6780 Marsh Creek Road	Clayton	Retail
Walgreen Drug Store	5437 Clayton Road	Clayton	Retail

City of Clayton - Central Sans (POTW) Business Inspections for FY 15-16									
Facility Type	Facility Name	Address	STW City	Inspector	Date	Inspection Type	Billing Type	Enforcement?	
Fleet Operations	US Post Office	6150 Center Street	Clayton	J. Talarico	8/17/2015	Reinspected	Add-on	None	
Food Service	Casa Gourmet Burrito	5435 Clayton Road F	Clayton	J. Talarico	11/19/2015	Reinspected	Add-on	None	
Food Service	Coldstone Creamery	1536 Kirker Pass Road B	Clayton	J. Olympia	4/27/2016	Reinspected	Add-on	None	
Food Service	Country Waffles	5435 Clayton Road B	Clayton	J. Talarico	11/23/2015	Reinspected	Call-out	WN	
Food Service	Country Waffles	5435 Clayton Road B	Clayton	J. Talarico	11/24/2015	Enforcement F/U	Targeted	None	
Food Service	Cup O' Jo	6054 Main Street	Clayton	J. Talarico	12/23/2015	Reinspected	Add-on	None	
Food Service	Subway	1026 Oak Street 103	Clayton	J. Talarico	11/19/2015	Reinspected	Add-on	None	
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/1/2016	Partial	Add-on	None	
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/7/2016	Enforcement F/U	Targeted	None	
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/7/2016	Reinspected	Add-on	NOV	
Retail	CVS Pharmacy	6490 Clayton Road	Clayton	J. Olympia	4/27/2016	Reinspected	Add-on	None	
Retail	R & M Pool Patio And Garden	6780 Marsh Creek Road	Clayton	J. Talarico	8/25/2015	Reinspected	Add-on	None	

City of Clayton			
<b>Planned Inspections for Clayton (7/1/2016 to 6/30/2017) by Central Sans (POTW)</b>			
8/17/2016			
<b>Name</b>	<b>Address</b>	<b>City</b>	<b>Facility Type</b>
<b>Enforcement Reinspections</b>			
Country Waffles	5435 Clayton Road B	Clayton	Food Service
Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	Golf Course
<b>Subtotal: 2</b>			
<b>Inspection Cycle</b>			
Valley Cleaners	5425 Clayton Road	Clayton	Dry Cleaner
Skipolini's Pizza	1035 Diablo Street	Clayton	Food Service
Village Market	6104 Main Street	Clayton	Food Service
Pavilion Bar And Grill	1508 Kirker Pass Road	Clayton	Food Service
Papa Murphy's Take 'n Bake	5433 Clayton Road H	Clayton	Food Service
JJ Hawaiian Bbq	5435 Clayton Road A	Clayton	Food Service
Moresi's Chop House	6115 Main Street	Clayton	Food Service
<b>Subtotal: 7</b>			
TOTAL INSPECTION GOAL (110%)=9	Target= 9		
Annual Goal = 8			

**Clean Water Inspections**  
**Fiscal Year 2015-16**

**Annual Report**  
**7/1/2015-6/30/2016**

Type	Facility Name	Address	STW City	Inspector	Date	Inspection Type	Billing Type	Enforcement?
Fleet Operations	US Post Office	6150 Center Street	Clayton	J. Talarico	8/17/2015	Reinspected	Add-on	None
Food Service	Casa Gourmet Burrito	5435 Clayton Road F	Clayton	J. Talarico	11/19/2015	Reinspected	Add-on	None
Food Service	Coldstone Creamery	1536 Kirker Pass Road B	Clayton	J. Olympia	4/27/2016	Reinspected	Add-on	None
Food Service	Country Waffles	5435 Clayton Road B	Clayton	J. Talarico	11/23/2015	Reinspected	Call-out	WN
Food Service	Country Waffles	5435 Clayton Road B	Clayton	J. Talarico	11/24/2015	Enforcement F/	Targeted	None
Food Service	Cup O' Jo	6054 Main Street	Clayton	J. Talarico	12/23/2015	Reinspected	Add-on	None
Food Service	Subway	1026 Oak Street 103	Clayton	J. Talarico	11/19/2015	Reinspected	Add-on	None
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/1/2016	Partial	Add-on	None
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/7/2016	Enforcement F/	Targeted	None
Golf Course	Oakhurst Country Club	1001 Peacock Creek Drive	Clayton	C. Henry	3/7/2016	Reinspected	Add-on	NOV
Retail	CVS Pharmacy	6490 Clayton Road	Clayton	J. Olympia	4/27/2016	Reinspected	Add-on	None
Retail	R & M Pool Patio And Garden	6780 Marsh Creek Road	Clayton	J. Talarico	8/25/2015	Reinspected	Add-on	None

Total number of Follow-up, Enforcement Follow-up, Surveillance, Consultation and Partial inspections: 3  
 Total number of closed or moved inspections: 0  
 Total number of Initial Inspections and Reinspections: 9  
 Total number of NOV's issued: 1  
 Total number of WNs issued: 1

**Stormwater Enforcement Summary  
Fiscal Year 2015-16**

**Annual Report  
7/1/2015-6/30/2016**

Facility Name and Address	Business Type	Date	Type	Citation?	#	Corrected?	Comments
<b>Clayton</b>							
Country Waffles (5435 Clayton Road B )	RESTAURANT	11/23/2015	Reinspected	WN	3402		Pollutant Exposure
		11/24/2015	Enforcement F/U		0	Yes	Comment: I observed the exterior of the tallow bin had been clean and facility was in compliance with storm water regulations at the time of the inspection.
<b>Oakhurst Country Club (1001 Peacock Creek Drive )</b>							
	RESTAURANT	3/7/2016	Reinspected	NOV	3747		Pollutant Exposure
		3/7/2016	Enforcement F/U		0	Yes	Comment: Stated practice of washing mats outside. Mr. Singh stated that they would immediately change this practice and wash mats inside the kitchen.





Central Contra Costa Sanitary District

5019 Imhoff Place, Martinez CA 94553 ☐ (925) 229-7288

WN N<sup>o</sup>.

3402 ATTACHMENT C41

Issued by: Jeremy Tarkenton  
Date: 11/23/15

WARNING NOTICE

HAND DELIVERED     CERTIFIED MAIL # \_\_\_\_\_

A. GENERAL INFORMATION SECTION

FACILITY NAME Country Washers      PROPERTY OWNER \_\_\_\_\_  
 SITE ADDRESS 5425 Clayton Rd, # B      ADDRESS \_\_\_\_\_  
Clayton, CA 94517      \_\_\_\_\_  
 MAILING ADDRESS \_\_\_\_\_      HQ/REG'L NAME \_\_\_\_\_  
 \_\_\_\_\_      ADDRESS \_\_\_\_\_  
 CONTACT NAME/TITLE José Rodriguez / Front Manager      HQ/REG'L CONTACT \_\_\_\_\_  
 CONTACT PHONE # 925-672-0943      CONTACT PHONE # \_\_\_\_\_  
 TYPE OF BUSINESS Restaurant      \_\_\_\_\_

B. DEFICIENCY SECTION

The completion / submittal of \_\_\_\_\_ was due on \_\_\_\_\_  
 The record(s) checked below  
 O&M Logs     PCR     Analytical Report     Manifests/receipts  
 Chain of Custody     pH tape     Flow tape     Baseline Monitoring Report  
 Other: \_\_\_\_\_  
 was (were) deficient for the following reason: \_\_\_\_\_

Failure to notify of \_\_\_\_\_ as required.  
 The discharge from the facility contained the following pollutant(s) of concern to the District:  

Sampled By	Constituent	Concentration	Discharge Limit	Date Sampled
<input type="checkbox"/> IU <input type="checkbox"/> CCCSD	_____	_____	_____	_____
<input type="checkbox"/> IU <input type="checkbox"/> CCCSD	_____	_____	_____	_____

 Protection of sanitary sewer inlets from the discharge of restricted materials is required for: \_\_\_\_\_  
 The grease, oil and sand interceptor at the facility is in need of maintenance.  
 The sampling conducted on \_\_\_\_\_ at the facility was deficient due to: \_\_\_\_\_

Other: Clayton Ord. # 494, Ch. 13.12, Sec. 13.12.090 Pollutant Exposure  
 Other: \_\_\_\_\_  
 Details: I observed grease on the exterior of the facility's tallow bin located behind the building where it is exposed to rainwater.

C. CORRECTIVE ACTIONS SECTION

Provide documentation that the deficiency identified in Section B has been corrected.  
 Correct the deficiency in the records identified in Section B and submit the completed document.  
 Ensure that all future records include the information identified in Section B. Resubmittal is not required at this time.  
 Evaluate the process wastewater to determine the source of each pollutant identified in Section B and how it can be minimized or eliminated.  
 Conduct [ grab composite grab composite ] sampling of the process discharge. Analyze for: \_\_\_\_\_  
 \_\_\_\_\_ (certified lab only). Submit original analysis report and chain of custody.  
 Ensure that future sampling events are conducted and reported in accordance with District requirements.  
 Submit a written response including the following information:  
 How you intend to correct the problem     How you will prevent future occurrences  
 Proposed schedule/anticipated completion date for: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Details: Facility shall immediately clean the tallow bin using Best Management Practices to prevent stormwater pollution. Facility shall implement and describe new procedures to make sure the tallow bin is clean at all times.

Respond in writing no later than 12/23/15

D. SIGNATURE SECTION

Failure to complete the Corrective Actions specified above or recurrence of the deficiency noted above will result in issuance of a Notice of Violation. Signing this document acknowledges receipt and does not constitute an admission of guilt.

Signature X José Rodriguez      front manager      11-23-15  
 Facility Representative      Title      Date

COPY:    CCC DISTRICT ATTORNEY    DISTRICT COUNSEL    OTHER: \_\_\_\_\_  
 WHITE: OFFICE    YELLOW: FACILITY REPRESENTATIVE



Central Contra Costa Sanitary District  
5019 Imhoff Place, Martinez CA 94553 • (925) 229-7288

NOV N<sup>o</sup>: 3747

Issued by: Colleen Henry  
Date: 3/7/16

**NOTICE OF VIOLATION**

HAND DELIVERED     CERTIFIED MAIL # \_\_\_\_\_

**A. GENERAL INFORMATION SECTION**

FACILITY NAME Danhurst Country Club PROPERTY OWNER \_\_\_\_\_  
SITE ADDRESS 101 Research Creek Dr ADDRESS \_\_\_\_\_  
Clayton, CA 94517  
MAILING ADDRESS \_\_\_\_\_ HQ/REG'L NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CONTACT NAME/TITLE Arnab Singh - Maintenance Director \_\_\_\_\_  
CONTACT PHONE # (925) 472-3165 HQ/REG'L CONTACT \_\_\_\_\_  
TYPE OF BUSINESS Club Casual Food Service CONTACT PHONE # \_\_\_\_\_

**B. VIOLATION SECTION**

CODE SECTION	DESCRIPTION OF VIOLATION	VIOLATION DATE
<input type="checkbox"/> 10.08.040	Discharge of prohibited substance or characteristic to sanitary sewer <input type="checkbox"/> A. Explosive/flammable <input type="checkbox"/> J. Stormwater / groundwater / rainwater discharge <input type="checkbox"/> M. Hazardous waste <input type="checkbox"/> Other _____	_____
<input type="checkbox"/> 10.08.110B	Failure to provide protection from slug discharge of restricted materials	_____
<input type="checkbox"/> 10.08.110D	Failure to notify of a slug discharge of restricted materials	_____
<input type="checkbox"/> 10.12.010	Discharging without a valid Industrial User Permit	_____
<input type="checkbox"/> 10.12.040C	Failure to meet permit condition _____	_____
<input type="checkbox"/> 10.12.050	Failure to meet reporting requirement _____	_____
<input type="checkbox"/> 10.12.060	Failure to meet monitoring/sampling requirement _____	_____
<input type="checkbox"/> 10.32.010	Failure to install a grease, oil, & sand interceptor	<u>3/7/16</u>
<input checked="" type="checkbox"/> 10.32.030	Failure to adequately maintain a grease, oil & sand interceptor	<u>3/7/16</u>
<input checked="" type="checkbox"/> <u>10.32.030</u>	Other: <u>OSD 444 Sec 13.12.020: Pollutant Exposure</u>	<u>3/7/16</u>
<input type="checkbox"/>	Other: _____	_____
<input type="checkbox"/> 10.08.070	Specific Pollutant Limit Violations: Sampled By    Constituent    Concentration    Discharge Limit    Date Sampled <input type="checkbox"/> IU <input type="checkbox"/> CCCSD <input type="checkbox"/> IU <input type="checkbox"/> CCCSD	_____

Details of violation: ① metal collar of sample box not attached to concrete structure, allowing solids (e.g. dirt, leaves) to enter sample box ② Separator at golf cart wash pad 100% full of solids in first chamber, at least 50% full in second chamber ③ Stated practice: wash restaurant floor mats outside in an area that drains to the storm drain system.  
 The above violation(s) may be subject to the Significant Non-Compliance (SNC) Criteria and applicable publication.

**C. REQUIRED ACTIONS SECTION**

Immediately abate the violations. Each day of violation will be considered a new and separate offense.

- 1. Conduct [grab composite grab composite] sampling of the process discharge. Analyze for: \_\_\_\_\_ (Certified lab using wastewater methods). Submit original analysis report and chain of custody.
- 2. Submit the following document(s): \_\_\_\_\_
- 3. Submit a written response including the following information:
  - a. How/when the incident occurred
  - b. How you intend to correct the problem
  - c. How you will prevent future occurrences
  - d. Proposed schedule/anticipated completion date for: \_\_\_\_\_
- 4. Other: \_\_\_\_\_

Details: ① Affix metal collar to concrete structure of sample box to prevent introduction of solids, ② Immediately clean separator at golf cart wash pad, ③ Discontinue washing mats outside, wash in an area that discharges

Respond in writing no later than 4/7/16 to the sanitary sewer

**D. SIGNATURE SECTION**

Failure to comply with any of the Required Actions constitutes a separate violation and may be cause for escalated enforcement. Signing this document acknowledges receipt and does not constitute an admission of guilt.

Signature X Arnab Singh Title \_\_\_\_\_ Date 3/7/16  
Facility Representative

Corrective action acknowledged by \_\_\_\_\_ on \_\_\_\_\_  
District Representative Date

COPY: CCC DISTRICT ATTORNEY    DISTRICT COUNSEL    OTHER: \_\_\_\_\_

WHITE: OFFICE

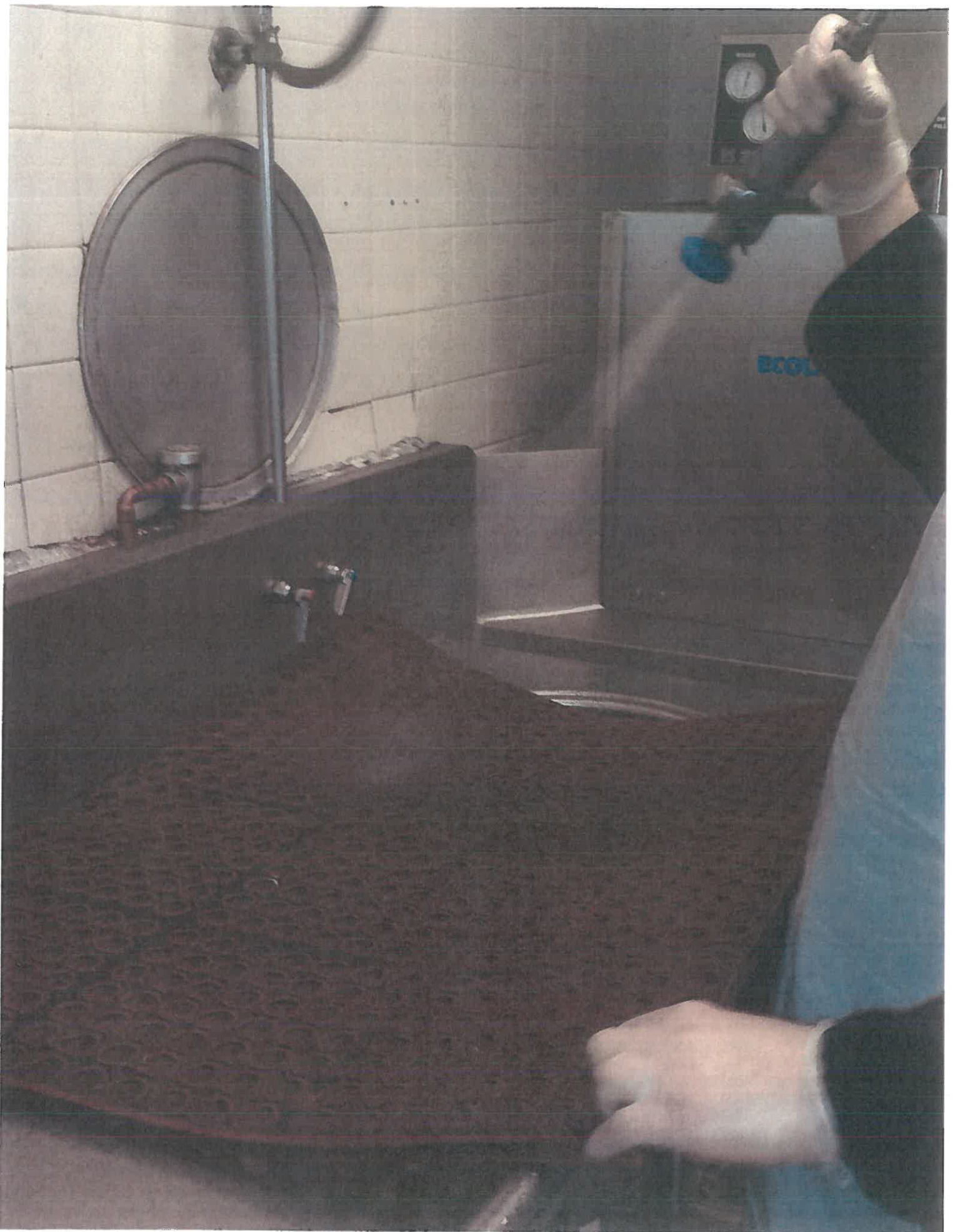
YELLOW: VIOLATOR

**Colleen Henry**

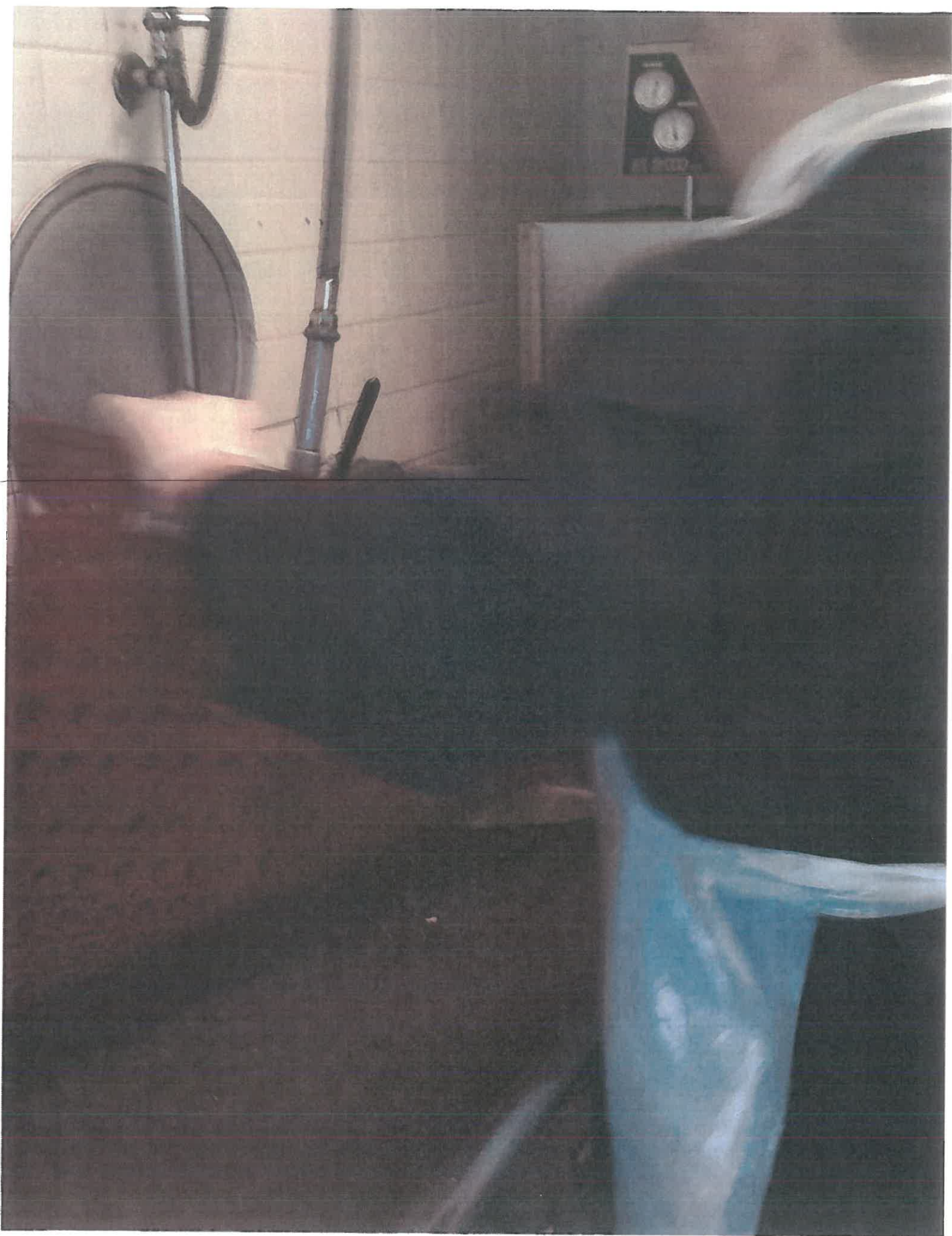
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**From:** Amar Singh <vomoislandman@gmail.com>  
**Sent:** Thursday, March 17, 2016 12:08 PM  
**To:** Colleen Henry  
**Attachments:** 20160314\_063418.jpg; 20160314\_063411.jpg

Hi Colleen sending you a picture of washing mats inside, also in 2 months we will drain the cart barn solids  
Thanks!









**POTW Training Summary Information for FY 15-16.** Includes training sessions that cover inspection and enforcement skills, even if they were not specifically storm water.

<b>C.4.d.iii ► Staff Training Summary</b>				
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Inspectors in Attendance</b>	<b>Percent of Inspectors in Attendance</b>
Commercial/Industrial Stormwater Inspection Training Workshop (Contra Costa County)	5/5/16	<ul style="list-style-type: none"> <li>Outline available through CWP</li> </ul>	CCCSD-9 DDSD-3 WCWD-2	CCCSD-100 DDSD-100 WCWD-100
CWEA – P3S Conference	2/29-3/2/16	<ul style="list-style-type: none"> <li>Stormwater management and public outreach</li> <li>Stormwater BMPs</li> </ul>	CCCSD-0 DDSD-2 WCWD-1	CCCSD-0 DDSD-67 WCWD-50
CWEA –Annual Conference	4/26/16	<ul style="list-style-type: none"> <li>Stormwater education and outreach</li> <li>Trash management</li> </ul>	CCCSD-1	CCCSD-11
BACWA Sponsored Sampling/Ethics Training	10/13/15	<ul style="list-style-type: none"> <li>Documentation requirements for environmental sampling</li> <li>Importance of ethical conduct when performing environmental sampling</li> </ul>	CCCSD-9	CCCSD-100
CCCSD Sponsored Anatomy of an Investigation	10/6/15	<ul style="list-style-type: none"> <li>Inspector training</li> <li>Gaining access</li> <li>Obtaining evidence</li> <li>Building a case</li> </ul>	CCCSD-9	CCCSD-100
CWEA Stormwater Training Webinar	8/26/15	<ul style="list-style-type: none"> <li>Stormwater Inspections at commercial/industrial facilities</li> <li>Stormwater BMPs</li> </ul>	CCCSD-4	CCCSD-44
California Hazardous Materials Investigators Association – Advanced Criminal Investigations	10-20-30/15	<ul style="list-style-type: none"> <li>Investigation elements</li> <li>Collecting defensible evidence</li> <li>Witness training</li> </ul>	CCCSD-1	CCCSD-11

# Attachments

## City of Clayton

### for Section C-5

**City of Clayton  
Emergency & Environmental Management  
Phone Numbers**

**Local/County/Regional Governmental Contacts****City of Clayton**

**Stormwater Contact:** Laura Hoffmeister  
6000 Heritage Trail, Clayton, CA 94517  
staff office: (925) 673-7300; direct/vm: 673-7308; or  
cell: (925) 250-8532 LHoffmeister@ci.clayton.ca.us  
After Hours: contact Clayton Police Dispatch  
ask for an officer on Duty (925) 673-7350

**Maintenance Dept.:** City of Clayton, 6000  
Heritage Trail, Clayton CA 94517: (925)  
673-7300

After Hours: contact Clayton Police Dispatch  
ask for an officer on Duty (925) 673-7350

**Local Police Department:** Clayton Police  
Department (925) 673-7350

**Local Fire District:** Contra Costa Fire Protection  
District, 2010 Geary Road, Pleasant Hill, CA 94523;  
Administration Office/Non-emergency: (925) 930-  
5500; Communications Center (925) 930-5551  
Emergency: 911 or 933-1313

**Contra Costa HazMat 24 Hour Emergency:**  
(925) 646-1112

**Wastewater Agency: City Sanitary Sewer Lines –**  
(City of Concord contract maintenance of City of Clayton sewer lines)  
City of Concord Public Works, 1455 Gasoline Alley,  
Concord, CA 94519: (925) 671-6448; After Hours  
contact Concord Police Dispatch at 671-3333

**Wastewater Agency: Treatment Plant – Central**  
Contra Costa Sanitary District, 5019 Imhoff Place,  
Martinez: (925) 933-0955

**Contra Costa Water District 24 Hour Emergency:**  
(925) 688-8095  
Marie Valmores - Env. Compliance Manager  
direct: (925)-688-8023

**HazWaste Facility:** Central Contra Costa Household  
Hazardous Waste Collection Facility, operated by  
Central Contra Costa Sanitary District, 4797 Imhoff  
Place, Martinez, CA 94553: Toll Free 1-800-646-  
1431

**East Bay Regional Park District – Fire District 24**  
Hour Line: (510) 881-1121

**San Francisco Bay Regional Water Quality**  
Control Board: (510) 622-2300

Central Valley Regional Water Quality Control Board:  
(916) 464-4730

**Adjacent Jurisdiction Contacts:**

**Concord Contact:** Robert Ovadia, 1455 Gasoline  
Alley, Concord, CA 94519: (925) 671-3470  
Robert.Ovadia@cityofconcord.org  
Frank Kennedy (925) 451-4294/(925) 932-7857  
**Concord Public Works:** (925) 671-3448  
**Concord Police Dispatch:** (925) 671-3333

**Unincorporated County:** Cece Selgren (925) 313-2296  
After Hours—call HazMat or 911

**Contra Costa Sheriff's Communications Center:**  
(925) 646-2441

**CCC Environmental Health Services:**  
(925) 646-5225, 7:30 a.m. – 5 p.m. weekdays

**State & Federal Agencies**

Cal. Highway Patrol: (925) 646-4980

Office of Emergency Services Spill Line:  
(800) 852-7550

Dept. Fish & Game – 24 Hour Dispatch during  
incident: (831) 649-2801

CAL EPA – Dept. of Toxic Substances Control  
(Region 2): (510) 540-3856

CAL Occupational Safety and Health  
Administration: (925) 602-6517

US Coast Guard – Marine Safety Office:  
(510) 437-3073

Bay Area Air Quality Management District:  
(415) 771-6000; or 1-800-334-6367

**Miscellaneous Contractors:**

Roto Rooter : (925) 798-2122; or (925) 939-3100

Aquatic Habitat: (925) 957-1903

Engineering Remediation Resources Group Inc: (925)  
969-0750

Terra Vac: (510) 351-8900

3-D Cleaning Services: (925) 671-7808

Diablo Steam Way: (925) 827-5757

Block Environmental Services: (925) 682-7200

Clean Bay: (925) 685-2800

## **CITY OF CLAYTON RESPONSE PROCESS TO ILLICIT DISCHARGE GENERAL SPILL RESPONSE PROCEDURES**

Call received by public to City Staff

(note: calls may also come in directly to other agencies such as Police, Fire, Hazmat, Water Quality, or Fish and Game, OES, etc.)

City Staff notifies Police (if other agency receives contact they are supposed to contact City Police Department as well)

Police go to site and assess and secure scene, call for Fire Dept., County Hazmat, Fish and Game, Water Quality staff, OES, and/or City Maintenance (if not already contacted) depending on the situation.

All first responders (Police/Fire) have call out numbers to other appropriate response agencies

One of the steps in securing the scene is to secure any potential for spill to flow into storm drains or creek. If in creek to contain the materials so that they do not flow further downstream. If in street curb, gutter or parking lot etc., block inlets and contain materials.

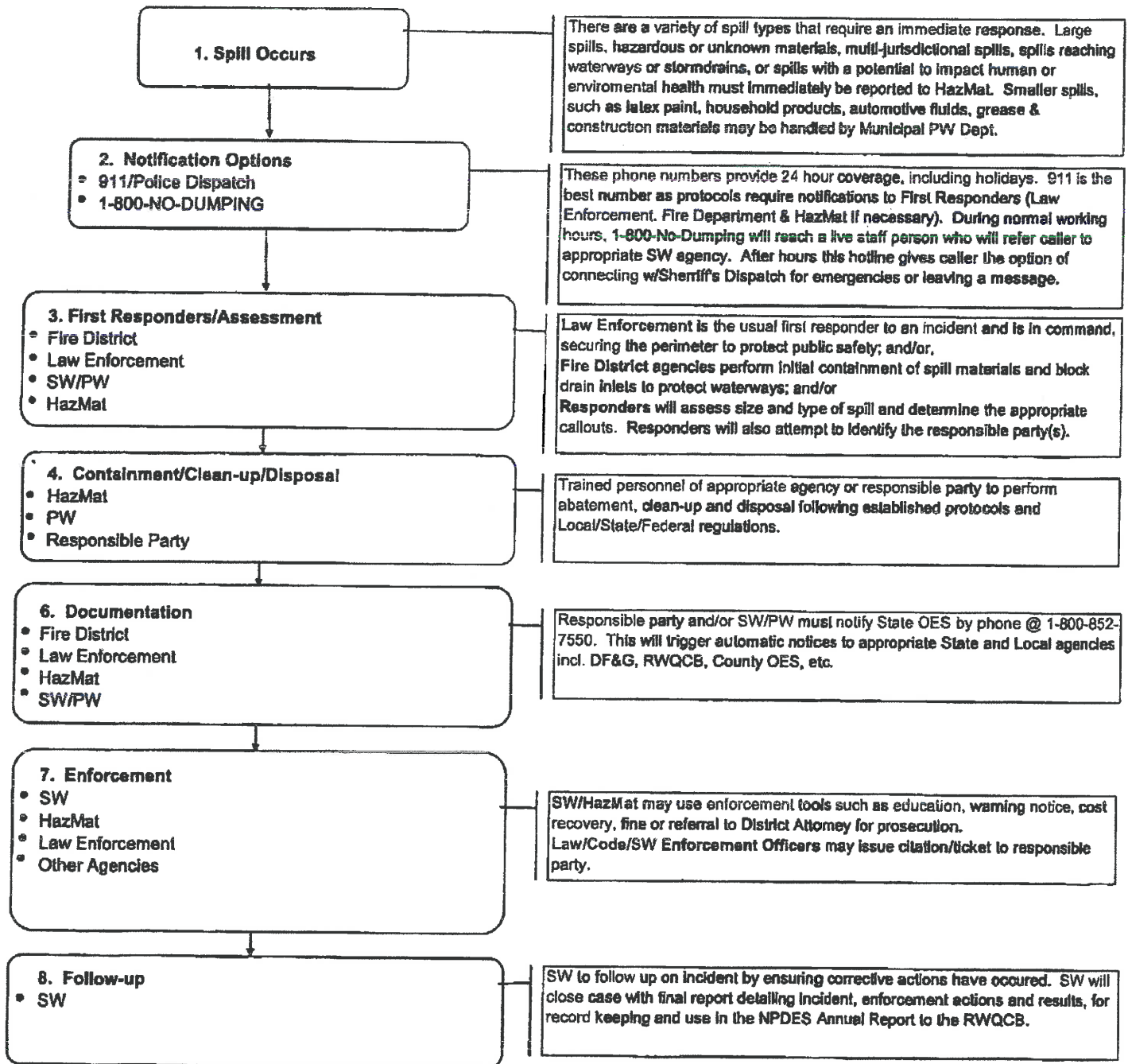
Hazardous materials are handled by Fire and Hazmat.

Non-Hazardous materials are cleaned up by Maintenance staff or contractor under city direction or public/private party if so identified; or left contained to evaporate and monitored as determined appropriate (i.e.: paint spill that has not gone down storm drain or creek). Clean Up (vacuumed or mopped) or flushing depending on material involved.

Note: Police Sergeants are trained in Spill and Hazardous materials response. There is a sergeant on duty at all times. Fire Department is trained in Spill and Hazardous materials response. Both of these departments are first responders. In most cases it is the first responder that goes to the site and assesses the situation and determines appropriate steps to take based upon their training. Police sergeant vehicles have spill containment kits. In rare circumstances if maintenance responds first they will contain/monitor and contact fire or another appropriate responder for further assessment and instructions the appropriate agency.

After incident contained police or maintenance notify city storm water manager and report incident verbally. Written response confirmation (Police Report, Maintenance Report, Hazmat report, etc..) copied to City storm water manager as part of follow up.

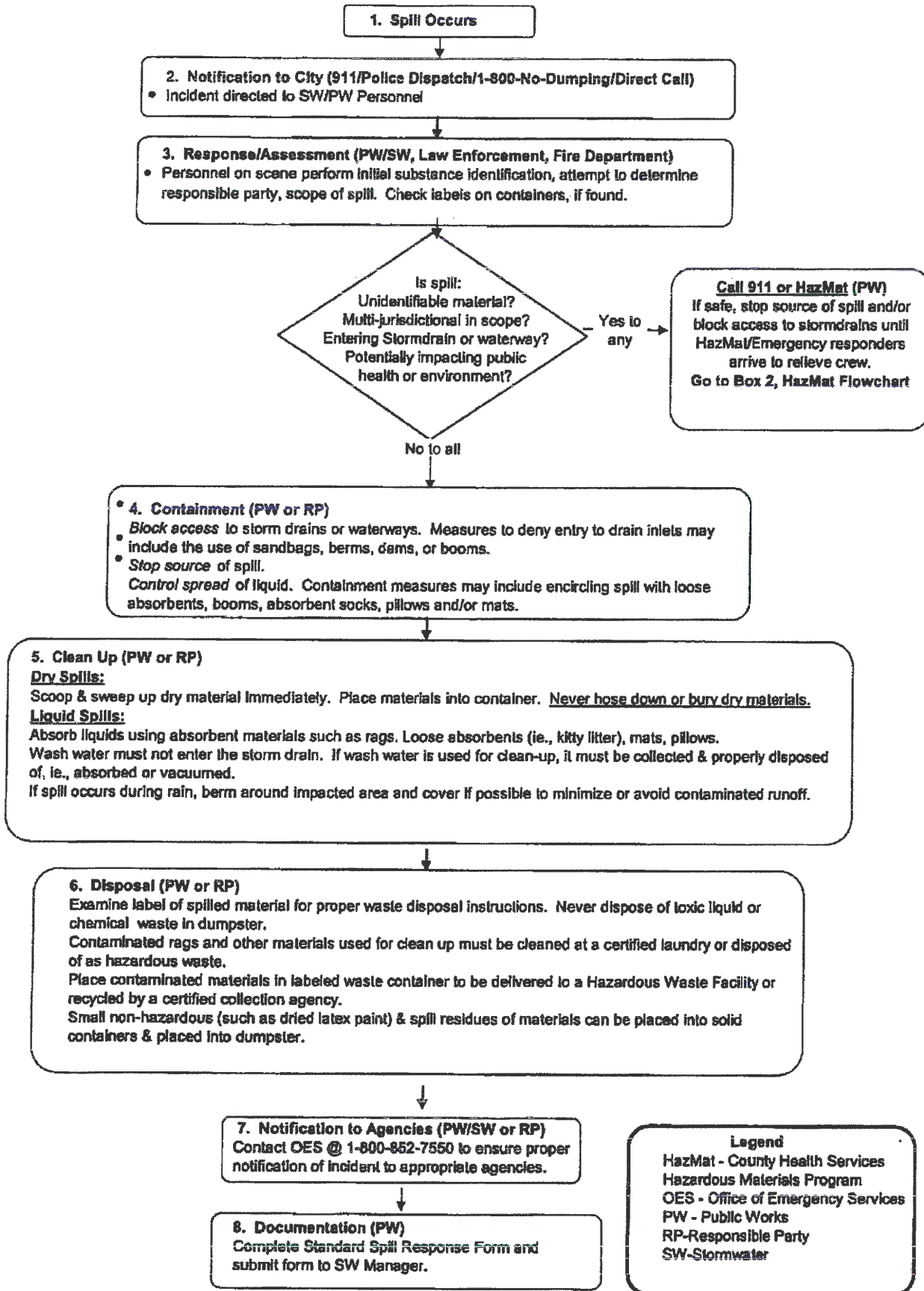
## General Overview of Spill Response Process for Any Spill Type



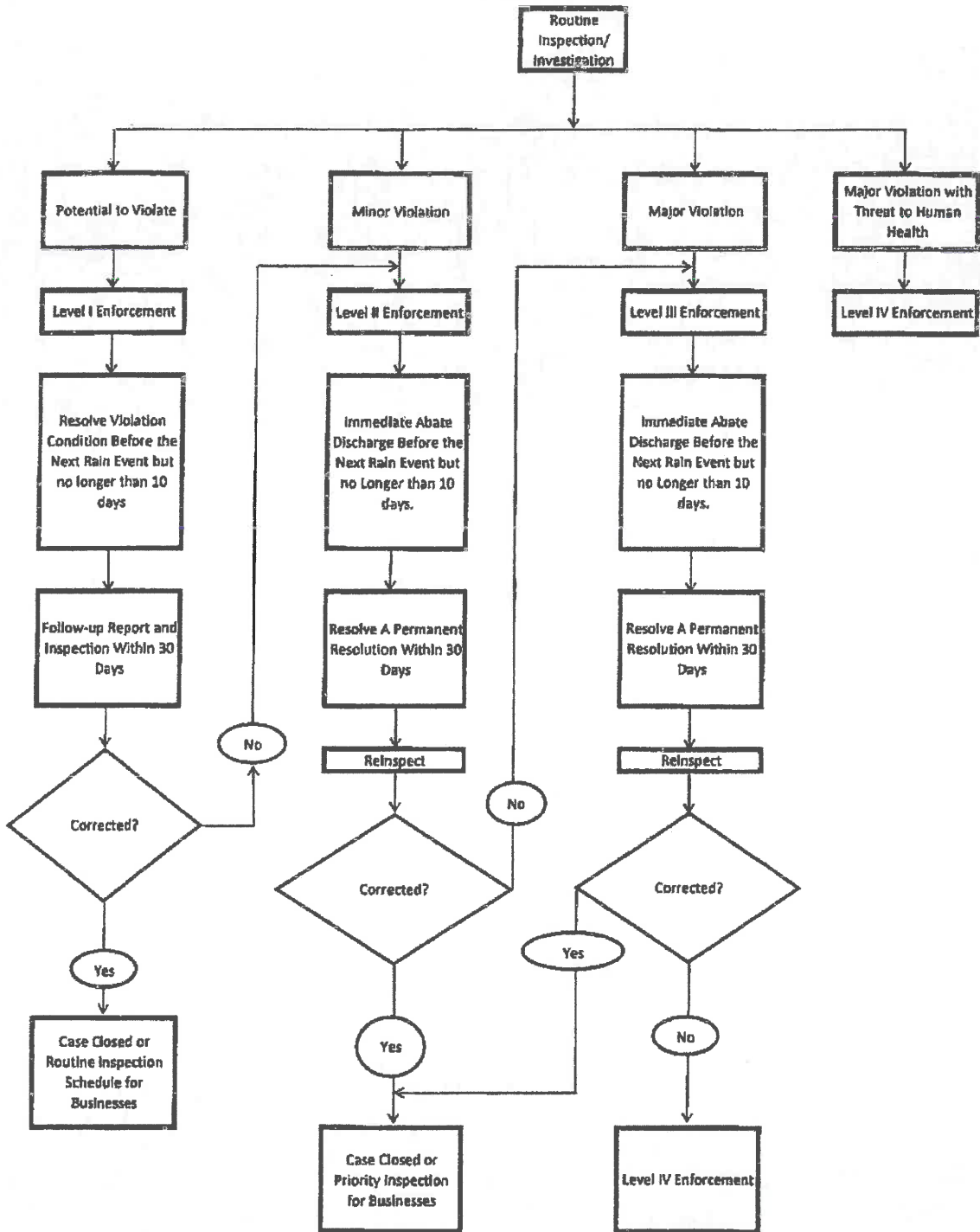
- Legend**
- DF & G - California Department of Fish & Game
  - HazMat - County Health Services-Hazardous Materials Program
  - NPDES - National Pollutant Discharge Elimination System
  - OES - Office of Emergency Services
  - PW - Public Works
  - RP - Responsible Party
  - RWQCB - Regional Water Quality Control Board
  - SW - Stormwater



Municipal Field Response to Non-Hazardous Spills



City of Clayton  
 Construction Sites  
 Enforcement Response Plan  
 Flow Chart





## Storm Water

### STORM WATER INFORMATION

On November 16, 2004, the City Council of the City of Clayton adopted Ordinance No. 379, which added Chapter 13.12, entitled Storm Water Management and Discharge Control to Title 13 of the Clayton Municipal Code.

The intent of this Chapter is to protect and enhance the water quality in the City of Clayton's watercourses pursuant to, and consistent with the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.) and the Federal Clean Water Act (33 U.S.C. section 1251 et seq.).

It is the purpose of the City Council in enacting this chapter to protect the health, safety and general welfare of Clayton's citizens by:

1. minimizing non-stormwater discharges, whose pollutants would otherwise degrade the water quality of local streams, to the stormwater system.
2. Minimizing increases in non-point source pollution caused by stormwater runoff from development that would otherwise degrade local water quality.
3. Controlling the discharge to the City's stormwater system from spills, dumping or disposal of materials other than stormwater.
4. Reducing stormwater run-off rates and volumes and nonpoint source pollution whenever possible, through stormwater management controls and ensuring that these management controls are properly maintained and pose no threat to public safety.

To review the complete ordinance click [here](#).

Fact Sheets, the draft Stormwater C.B guidebook, and other C.B materials can be downloaded from the Clean Water web site.

#### **TO REPORT ILLEGAL DUMPING OR A SPILL:**

Call 1-800-NO DUMPING (1-800-663-8674).

If you are aware of an emergency and need an immediate response, call 911

Information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives, can be obtained by clicking on the following links:

- Point of Contact: <http://www.ccleanwater.org/contact/>
- Stormwater Issues: <http://www.ccleanwater.org/stormwater-issues-101/>
- Watershed Characteristics: <http://www.ccleanwater.org/watersheds/watershed-maps/>
- Stormwater Pollution Prevention Alternatives: <http://www.ccleanwater.org/newspollution/lands/cavine/>

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Home

Welcome to the City of Clayton. Our city is home to exceptional people who have a deep appreciation for the community's history.

In 2014, Clayton celebrated its 50th Anniversary. Many of the time-honored characteristics that have made Clayton a desirable place to live remain.

Nestled at the bucolic base of picturesque mountains, Clayton offers proximity to the greater San Francisco Bay Area with all the amenities, services and recreation offered by that choice location.

Clayton is a safe residential community of around 11,268 people. It is a town which values civic partnership with business leaders, community leaders, and our neighbors. Claytonians take out in high numbers to celebrate the annual family-friendly festivities such as the Art and Wine Festival, our homespun 4th of July Parade, the annual Rib Cook-off, the Oktoberfest celebration, and our ever popular Concerts in The Grove summer series on select Saturdays and Thursdays in the beautiful Downtown Park. Canines and their owners even enjoy the outdoor air at our off-leash Clayton Dog park on east Marsh Creek Road.

In Clayton, everyone is family. And families are most important. Clayton is simply a great place to live, work and play for people who cherish small-town living and traditional American values.

Outdoor bocce courts in the Clayton Town Center will find friends and families vying for social interaction and first place.

- Administration
- Community Development
- Finance
- Maintenance
- Police Department
- Public Works & Engineering
- Recreation
- Report a Problem
- Street Light Info

Search Site

Community Events

October 2016

S	M	T	W	T	F	S
4	5	6	7	8		
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

More Events

Community News

- Nominees For Public Office
- Public Review- Verm Way
- Residential Subdivision Project
- Enterprise Systems Used by the City
- Silver Oak Estates
- Phacating Food Facilities

clayton.ca.us/departments/maintenance/





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### Report a Problem

Please enter the day and/or time that the issue occurred.

Date you noticed the problem (Required)  
[YYYY-MM-DD]

Time you noticed the problem (Required)  
[ ]

If you would like a response back, please provide contact information.

Your Name  
[ ]

Your Phone  
[ ]


Your Email  
[ ]

Please identify the problem you found:

- Accessibility Issues
- Animal or Unusual Odors
- Barking Dog
- Construction During Unrestricted Hours
- Debris on Tree or Limb on/or Street
- Debris on Public Right of Way
- Flashed Curb Paint
- Fire Hazard
- Graffiti
- Health Hazard
- Illegal Building or Construction
- Illegal Dumping on City Property
- Illegal Grading or Excavating
- Illegal Posting of Signs
- Inoperative/Spinning Mark-Via
- Issues Problems
- Parks and Recreation Issues
- PedCafe
- Overgrown Weeds or Trash
- Partial Street Markings/Signage
- Signage, Curb or Gutter Problems
- Street Sign Replacement/Repair
- Street Light Out
- Traffic and Speeding Complaints
- Traffic Control Engineering
- Street Tree Maintenance
- Unpermitted Businesses
- Utility Observed Hazard
- Zoning Violation
- Other

Please enter the location of the problem.  
[ ]





Home About Clayton Government Departments Parks & Facilities Services Online Forms FAQs Feedback

Home - Feedback

### Feedback

Your Name (required) \_\_\_\_\_

Your Email (required) \_\_\_\_\_

Subject \_\_\_\_\_

Your Message \_\_\_\_\_

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# Attachments

## City of Clayton

### for Section C-6

**ORDINANCE NO. 444****AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON AMENDING CHAPTER 13.12 TO TITLE 13 OF THE MUNICIPAL CODE RELATING TO STORMWATER MANAGEMENT AND DISCHARGE CONTROL FOR COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM (STORM WATER POLLUTION PREVENTION) MUNICIPAL REGIONAL PERMIT (MRP) IMPOSED BY THE REGIONAL WATER QUALITY CONTROL BOARD****THE CITY COUNCIL OF THE CITY OF CLAYTON FINDS AS FOLLOWS:**

**WHEREAS**, the 1987 Reauthorization of the Federal Clean Water Act, as well as similar State legislation, required local agencies to obtain a NPDES Permit for discharging the contents of municipal storm drainage water conveyance systems; and

**WHEREAS**, the Federal Clean Water Act and related permits are implemented and enforced by the State through the Regional Water Quality Control Board (San Francisco Bay Area Region), this permitting effort is intended to improve water quality in the Delta and San Francisco Bay Estuary System, protect endangered species, and safeguard public waters and waterways for continued economic, recreation and health purposes; and

**WHEREAS**, stormwater runoff pollution has been identified as a significant impact on water quality and wildlife in the Bay Area by the State and Federal Government; and

**WHEREAS**, the City of Clayton's National Pollutant Discharge Elimination System (NPDES) permit was reissued in 2009 by the San Francisco Water Quality Control Board in, which added various mandates, including that related to Stormwater Management and Discharge Control, and

**WHEREAS**, the public necessity, conveniences and general welfare require the adoption of the proposed ordinance for compliance with the City's NPDES permit through the Municipal Regional Permit (MRP) issued by the San Francisco Regional Water Quality Control Board; and

**WHEREAS**, on March 19, 2013 the City Council held a public meeting to consider amending the Municipal Code, as proposed in the Ordinance amendments "Stormwater Management and Discharge Control"; considered the information contained in the staff report and any other written and public testimony; introduced and held first reading of said Ordinance; and

**WHEREAS,** the additions to the Municipal Code are categorically exempt under the California Environmental Quality Act (CEQA) pursuant to Section 15307, Class 7; and Section 15308, Class 8--actions by regulatory agencies for the protection of natural resources and;

**WHEREAS,** there is no evidence that the additions will have the potential for any individual or cumulative adverse effect on fish and wildlife resources or their habitat, as defined in Section 711.2 of the Fish and Game Code.

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY ORDAIN AS FOLLOWS:**

**Section 1. Revocation and Amendment.**

Chapter 13.12 of Title 13 of the Clayton Municipal Code, as adopted by Ordinance No. 379 is hereby revoked in its entirety and amended to read as follows:

“Chapter 13.12. Stormwater Management and Discharge Control

**Section 13.12.010. Intent and Purpose.**

A. The intent of this Chapter is to protect and enhance the water quality in the City of Clayton's watercourses pursuant to, and consistent with the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.) and the Federal Clean Water Act (33 U.S.C. section 1251 et seq.).

B. This Chapter also carries out the conditions in the City's National Pollutant Discharge Elimination System (NPDES) permit that require implementation of appropriate source control and site design measures and stormwater treatment measures for development projects.

C. It is the purpose of the City Council in enacting this Chapter to protect the health, safety and general welfare of Clayton's citizens by:

1. minimizing non-stormwater discharges, whose pollutants would otherwise degrade the water quality of local streams, to the stormwater system.

2. minimizing increases in nonpoint source pollution caused by stormwater runoff from development that would otherwise degrade local water quality.
3. controlling the discharge to the City's stormwater system from spills, dumping or disposal of materials other than stormwater.
4. reducing stormwater run-off rates and volumes and nonpoint source pollution whenever possible, through stormwater management controls and ensuring that these management controls are properly maintained and pose no threat to public safety.

**Section 13.12.020. Definitions.**

The following words and phrases when used in this Chapter shall be as defined herein. Words and phrases in this Chapter and not otherwise defined shall be interpreted as defined in the regulations issued by the U.S. Environmental Protection Agency to implement the provisions of the Federal Clean Water Act, and as defined by the State Water Resources Control Board to implement the Porter-Cologne Act:

- A. Best management practices or "BMP" are structural devices, measures, stormwater management facilities, activities, prohibitions, or practices, general good housekeeping, pollution prevention practices, maintenance procedures and other management practices, to prevent or reduce the discharge of pollutants directly or indirectly to "waters of the United States," including watercourses, water bodies, and wetlands.
- B. City's NPDES permit shall mean the NPDES permit issued to the City of Clayton, Permit No. CAS612008, and any subsequent amendment, reissuance or successor to the NPDES permit.
- C. Construction shall mean any project, including projects requiring coverage under the General Construction Permit, that involves soil disturbing activities, including but not limited to, clearing, grading, paving, and disturbances to ground such as stockpiling and excavating. Construction sites are also all sites with disturbed or graded land area not protected by vegetation or pavement that are subject to a grading or building permit.
- D. Development shall mean construction, rehabilitation, redevelopment or reconstruction of any public or private residential project (whether single-family, multi-unit, or planned unit development) or industrial, commercial, retail or other nonresidential project, including public agency projects.



E. Development runoff requirements shall mean the provisions in the City's NPDES permit that contain performance standards to address both the construction and post-construction phase impacts of new projects and redevelopment projects on stormwater quality, as well as any requirements imposed by the director pursuant to a permit or other regulatory action.

F. Director shall mean the City Manager of the City of Clayton or his or her designee.

G. Enforcement officer or Officer shall mean those individuals designated by the director to act as authorized enforcement officers.

H. Guidebook shall mean the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

I. Non-stormwater discharge is any addition of any pollutant to the City's stormwater system, except discharges pursuant to a NPDES permit, or discharges further exempted in Section 13.12.060(c) and (d) of this Chapter.

J. Pollutant shall mean any material other than stormwater including, but not limited to, petroleum products or by-products, solid waste, incinerator residue, sewage, sewage sludge, garbage, heat, chemical waste, biological materials, radioactive materials, wrecked or discarded equipment, rock, sand, soil and industrial, municipal or agricultural waste discharged into the water or stormwater system.

K. Premises shall mean any land, building, structure, facility, or installation, (including a building's grounds or other appurtenances), and adjacent sidewalks and parking strips.

L. Redevelopment shall mean land disturbing activity that results in the creation, addition, or replacement of exterior impervious area on a site on which some past development has occurred.

M. Regional Board shall mean the California Regional Water Quality Control Board, San Francisco Bay Region.

N. Responsible person shall mean the owner or occupant of any premises or who engages in, permits, or oversees any activity from which there is or may be a non-stormwater discharge

or any person who releases pollutants to the City's stormwater system.

O. Stormwater shall mean storm water runoff, snow melt runoff, surface runoff and drainage flow on the surface of the ground resulting from precipitation.

P. Stormwater management facility shall mean any BMP or any device that utilizes detention, retention, filtration, harvest for reuse, evapotranspiration or infiltration to provide treatment (and/or control volume, flows, and durations) of stormwater for purposes of compliance with development runoff requirements.

Q. Stormwater control plan shall mean a plan that meets those criteria contained in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

R. Stormwater system is that system of facilities by which stormwater may be conveyed to any stream, watercourse, other body of water or wetlands, including flood control channels, any roads with drainage systems, city streets, catch basins, curbs, gutters, ditches, improved channels, storm drains or storm drain system, which are not part of a Publicly Owned Treatment Works ("POTW") as that term is defined in 40 CFR section 122.2.

Section 13.12.030. Responsibility for Administration.

The director or his or her designee shall administer this Chapter for the City.

Section 13.12.040. Construction and Application.

This Chapter shall be construed consistent with the requirements of the Federal Clean Water Act and amendments thereto or applicable implementing regulations and the City's NPDES permit.

Section 13.12.050 Stormwater Control Plan Required.

A. In accordance with thresholds and effective dates in the City's NPDES Permit, every application for a development project, including but not limited to a rezoning, tentative map, parcel map, conditional use permit, variance, site development permit, grading permit, encroachment permit, design review, or building permit that is subject to the development runoff requirements in the City's NPDES permit shall be accompanied by a stormwater control plan that meets the criteria in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

B. Implementation of an approved stormwater control plan and submittal of an approved stormwater control operation and maintenance plan by the applicant shall be a condition precedent to a final building inspection or the issuance of a certificate of occupancy for a project subject to this section.

C. All stormwater management facilities shall be designed in a manner to minimize the need for maintenance and reduce the chances of failure. Design guidelines are outlined in the Guidebook.

D. All stormwater management facilities shall be maintained according to the Guidebook and the approved stormwater control operation and maintenance plan. The person(s) or organization(s) responsible for maintenance shall be designated in the stormwater control operation and maintenance plan. Unless a different time period is provided for in the plan, those responsible for maintenance shall inspect the stormwater management facility at least annually. The stormwater control operation and maintenance plan shall also describe how the maintenance costs will be funded. Upon the failure of a responsible person to maintain a stormwater management facility in accordance with this Chapter or the plan, the City may perform the maintenance and recover its costs from the responsible person as provided in sections 13.12.100, 13.12.170 and 13.12.180.

E. A property owner shall, through recorded covenants or easements, provide the City, the Contra Costa Mosquito and Vector Control District, and the Regional Board access to stormwater management facilities for inspections and maintenance.

Section 13.12.060. Prohibited Discharges.

A. The discharge of non-stormwater to the City stormwater system is prohibited.

B. The discharge of stormwater from any premises and any activity that may cause or contribute to prohibited discharge, to a violation of receiving water limitations in the City's NPDES permit, or to a nuisance within the meaning of California Water Code section 13050 is prohibited.

C. The following discharges are exempt from the prohibition set forth in subsection (a) above, unless determined by the director to be a source of pollutants to or from the stormwater system or to receiving waters:

1. any discharge in compliance with a NPDES permit issued to the discharger.

2. flows from riparian habitats and wetlands, diverted stream flows, flows from natural springs, rising ground waters, uncontaminated and unpolluted groundwater infiltration, single-family homes' pumped groundwater, foundation drains, and water from crawl space pumps and footing drains, and pumped groundwater from drinking water aquifers.

D. The following discharges are exempt from the prohibition set forth in subsection (a) above, if and only if the director identifies such discharge as not being a source of any pollutant to the stormwater system or to a receiving water or if control measures required by the director and as set forth in Section C.15 of the City's NPDES permit are properly implemented: pumped groundwater from non-drinking-water aquifers; pumped groundwater from other sources, foundation drains, and water from crawl space pumps and footing drains;

air conditioning condensate; planned discharges from routine operation and maintenance activities in the potable water distribution system; unplanned discharges from breaks, leaks, overflows, fire hydrant shearing, or emergency flushing of the potable water distribution system; emergency discharges of the potable water distribution system as a result of firefighting, unauthorized hydrant openings, or natural or man-made disasters; individual residential car washing; swimming pool, hot tub, spa, and fountain water discharges, and discharges from irrigation water, landscape irrigation, and lawn or garden watering.

Section 13.12.070. Discharge in Violation of NPDES Permit

Any discharge that may result in or contribute to a violation of the City's NPDES permit either separately considered or when combined with other discharges, is prohibited. Liability for any such discharge shall be the responsibility of the person causing or responsible for the discharge, and such person shall defend, indemnify and hold harmless the City in any administrative or judicial enforcement action relating to such discharge.

Section 13.12.080. Unlawful Discharge and Unlawful Connections.

A. It is unlawful to allow, permit, establish, use, maintain or continue unauthorized drainage connections to the City's stormwater system, or to commence or continue any unauthorized discharges to the City's stormwater system.

B. No discharge shall cause the following conditions, create a nuisance, adversely affect beneficial uses of waters of the State, or cause or contribute to a violation of any applicable water quality standard for receiving waters:

1. floating, suspended or deposited macroscopic matter or foam;
2. bottom deposits or aquatic growth;
3. alterations of temperature, sediment load, nutrient load, or dissolved oxygen, which cause significant adverse impacts to native aquatic biota;
4. visible, floating, suspended or deposited oil or products of petroleum origin; or,
5. substances present in concentrations or quantities which cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption.

Section 13.12.090. Best Management Practices and Standards.

A. Generally. Any person owning or operating premises that may contribute pollutants to the City's stormwater system shall undertake best management practices to reduce the potential for pollutants entering the system to the maximum extent practicable. Examples of

such premises include, but are not limited to, parking lots, gasoline stations, industrial facilities, and other commercial enterprises. Examples of best management practices include, but are not limited to, those described in publications by the United States Environmental Protection Agency, the California Water Boards, the California Stormwater Quality Association, the Bay Area Stormwater Management Agencies Association, the Contra Costa Clean Water Program, and the City of Clayton.

B. Litter. No person shall throw, deposit, leave, keep or permit to be thrown, deposited, placed, left or maintained, any refuse, rubbish, garbage or other discarded or abandoned objects, articles or other litter in or upon any street, alley, sidewalk, business place, creek, stormwater system, fountain, pool, lake, stream, river or any other body of water, or upon any public or private parcel of land so that the same might become a pollutant, except in containers or in lawfully established waste disposal facilities.

C. Sidewalks. The occupant or tenant, or in the absence of occupant or tenant, the owner or proprietor of any real property in front of which there is a paved sidewalk shall maintain said sidewalk free of dirt or litter to the maximum extent practicable. Sweepings from the sidewalk shall not be swept or otherwise made or allowed to go into the gutter or roadway, but shall be disposed of in receptacles maintained as required for the disposal of solid waste.

D. Maintenance of Facilities and Landscaped Areas. Every responsible person shall implement Best Management Practices to minimize the release of pesticides, fertilizers, herbicides, and other related materials used to maintain landscaping and facilities.

E. Parking Lots, Paved Areas and Related Stormwater Systems. Persons owning, operating or maintaining a paved parking lot, the paved areas of a gasoline station, a paved private street or road, or similar structure, and related stormwater systems shall clean those premises as frequently and thoroughly as practicable in a manner that does not result in the discharge of pollutants to the City's stormwater system. As part of an enforcement action pursuant to this Chapter, the director may require installation and maintenance of BMPs to prevent the discharge of trash or other pollutants from private parking lots, streets, roads, and drainage facilities into the stormwater system. Failure or refusal to comply with such a requirement is prohibited and shall constitute a separate violation of this Chapter.

F. Construction Activities. In addition to any other requirement imposed by this Chapter, all construction projects shall incorporate site-specific BMPs, which can be a combination of BMPs from the California BMP Handbook, Construction January 2003, the Caltrans Stormwater Quality Handbooks, Construction Site Best Management Practices, the San Francisco Bay Regional Water Quality Control Board Erosion and Sediment Control Field Manual, 2002, the City's NPDES Permit, the City's grading and erosion control ordinance, generally accepted engineering practices for erosion control, and any other conditions required by the director when undertaking construction activities. The director may establish controls on the rate, volume, and duration of stormwater runoff from new developments and redevelopment as may be appropriate to minimize the discharge and transport of pollutants.

G. Notification of Intent and Compliance with General Permits. Each discharger associated with construction activity or other discharger described in any general stormwater permit



addressing discharges, as may be adopted by the United States Environmental Protection Agency, the State Water Resources Control Board, or the Regional Board shall provide the director with the notice of intent, comply with and undertake all other activities required by any general stormwater permit applicable to such dischargers. Each discharger identified in an individual NPDES permit relating to stormwater discharges shall comply with and undertake all activities required by the permit.

H. **Development Runoff Requirements.** Every applicant for a new development and redevelopment project subject to the development runoff requirements shall submit a stormwater control plan and implement conditions of approval that reduce stormwater pollutant discharges through the construction, operation and maintenance of treatment measures and other appropriate source control and site design measures. Similarly, increases in runoff volume, flows, and durations shall be managed in accordance with the development runoff requirements.

I. **Stormwater Pollution Prevention Plan.** The director may require any business or utility in the City that is engaged in activities that may result in non-stormwater discharges or runoff pollutants to develop and implement a stormwater pollution prevention plan, which must include an employee training program. Business activities which may require a stormwater pollution prevention plan include maintenance, storage, manufacturing, assembly, equipment operations, vehicle loading, fueling, vehicle maintenance, food handling or processing, or cleanup procedures, carried out partially or wholly out of doors.

J. **Coordination with Hazardous Material Release Response and Inventory Plans.** Any business subject to the Hazardous Material Release Response and Inventory Plan, Division 20, Chapter 6.95 of the California Health and Safety Code (commencing with section 25500), shall include, in that Plan, provision for compliance with this Chapter, including the prohibitions of non-stormwater discharges and the requirement to reduce release of pollutants to the maximum extent practicable.

Section 13.12.100. Reserved.

Section 13.12.110. Authority to Inspect.

A. **Generally.** The director and officer shall have the authority to enter property and make an inspection to enforce and carry out the provisions of this Chapter. Routine or scheduled inspections shall be based upon as reasonable a selection process as may be deemed necessary to carry out the intent of this Chapter, including, but not limited to, random sampling or sampling in areas with evidence of stormwater contamination, evidence of the discharge of non-stormwater to the stormwater system, inspection of stormwater treatment and flow-control facilities for proper operation and evidence of routine and corrective maintenance, or similar activities. Inspections may also be conducted in conjunction with routine or scheduled inspections conducted by other public agencies or special districts, including but not limited to the Central Contra Costa Sanitary District, the Contra Costa County Fire Protection District, County Environmental Health Department, the Contra Costa Mosquito and Vector Control District, or the Regional Board. The City Council may by resolution establish a schedule of fees for inspections.

B. **Authority to Sample and Establish Sampling Devices.** With the consent of the owner or

occupant, or pursuant to a search or inspection warrant, the officer may establish on any property such devices as are reasonably necessary to conduct sampling or metering operations. During all authorized inspections, the officer may take any sample deemed necessary to aid in the pursuit of the inquiry or in the recordation of the activities on site.

C. Notification of Spills. All persons in charge of the premises or responsible for emergency response for the premises have a responsibility to train premises' personnel and maintain notification procedures to ensure that immediate notification is provided to the City of any suspected, confirmed or unconfirmed release of pollutants creating a risk of non-stormwater discharge into the City stormwater system.

As soon as any person in charge of the premises or responsible for emergency response for the premises has knowledge of any suspected, confirmed or unconfirmed release of non-stormwater discharge entering the City stormwater system, such person shall take all necessary steps to ensure the detection and containment and clean up of such release and shall notify the City of the occurrence by telephoning the director. This notification requirement is in addition to and not in lieu of other required notifications.

D. Requirement to Test or Monitor. The officer may require that any person engaged in any activity or owning or operating any premises that may cause or contribute to non-stormwater discharges, undertake such monitoring activities or analysis and furnish such reports as the officer may specify. The burden, including costs of these activities, analysis and reports shall bear a reasonable relationship to the need for the monitoring, analysis and reports and the benefits to be obtained. The recipient of such request shall undertake and provide the monitoring, analysis and reports required.

E. Cost Recovery. If an inspection pursuant to this section results in an enforcement action, the City may issue an invoice of costs and recover in an enforcement action its reasonable inspection costs.

Section 13.12.120. Violations Constituting Misdemeanors or Infractions.

The violation of any provision of this Chapter, or failure to comply with any of the mandatory requirements of this Chapter shall constitute a misdemeanor, except that notwithstanding any other provisions of this Chapter, any violation constituting a misdemeanor under this Chapter may, at the discretion of the director, officer or city attorney, be charged and prosecuted as an infraction.

Section 13.12.130. Penalty for Violation.

A. Upon conviction of a misdemeanor, a person shall be subject to payment of a fine, or imprisonment, or both, not to exceed the limits set forth in California Government Code section 36901.

B. Upon conviction of an infraction, a person shall be subject to payment of a fine, not to exceed the limits set forth in California Government Code section 36900.

Section 13.12.140. Continuing Violation.

Every day that any violation of this Chapter shall continue shall constitute a separate offense.

Section 13.12.150. Concealment.

Concealing, aiding or abetting a violation of any provision of this Chapter shall constitute a violation of such provision.

Section 13.12.160. Acts Potentially Resulting in Violation of the Federal Clean Water Act or Porter-Cologne Act.

Any person who violates any provision of this Chapter, or the provisions of any permit issued pursuant to this Chapter, or who releases a non-stormwater discharge, or who violates any cease and desist order, prohibition or effluent limitation, may also be in violation of the Federal Clean Water Act or the Porter-Cologne Act and may be subject to the enforcement provisions of those acts, including civil and criminal penalties. Any enforcement actions authorized pursuant to this Chapter may also include notice to the violator of such potential liability pursuant to federal or state law.

Section 13.12.170. Violations Deemed a Nuisance.

In addition to the penalties provided herein, any condition caused or permitted to exist in violation of any of the provisions of this Chapter is a threat to the public health, safety and welfare. Such condition is hereby declared and deemed to be a nuisance, which may be abated as provided in Chapter 8.08 of Title 8 (commencing with section 8.08.010) of this Code including the assessment of the costs of abatement which may be collected at the same time and in the same manner as ordinary municipal taxes as provided by Government Code section 38773.5, and by civil action to abate, enjoin or otherwise compel the cessation of such nuisance by the City Attorney.

Section 13.12.180. Civil Actions.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by civil action brought by the City. In any such action, the City may seek, as appropriate, any and all of the following remedies:

1. a temporary restraining order, preliminary injunction and permanent injunction;
2. an action for an unlawful business practice pursuant to Business and Professions Code section 17206;

B. Any person violating any provision of this Chapter shall be liable for:

1. reimbursement for the costs of any investigation, inspection or monitoring which led to the discovery of the violation;
2. costs incurred in removing, correcting, or terminating the adverse effect(s) resulting from the violation;
3. compensatory damages for the loss of, or destruction to, water quality, wildlife, fish or aquatic life. Costs and damages under this subsection shall be paid to the City and shall be used exclusively for costs associated with monitoring and establishing a stormwater discharge pollution control system and implementing or enforcing the provisions of this Chapter;

4. the cost of maintenance and repair of any BMP or stormwater management facility that is not maintained in accordance with the guidebook or the stormwater control plan;

5. the reasonable costs of preparing and bringing administrative action under this Chapter.

Section 13.12.190. Remedies Not Exclusive.

The remedies identified in this Chapter are in addition to, and do not supersede or limit, any and all other remedies, administrative, civil or criminal. The remedies provided for herein shall be cumulative and not exclusive.

Section 13.12.200. Administrative Remedies.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by the following administrative remedies:

1. Notice of Violation. The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Notice of Violation in accordance with Chapter 1.14 of Title 1 of this Code. The Notice of Violation shall identify the provision(s) of this Chapter or the applicable permit or regulatory order which has been violated and shall state that continued noncompliance may result in additional enforcement actions against the owner, occupant and/or responsible person.

2. Suspension or Revocation of Permit. The director may suspend or revoke any City-issued permit when it is determined that:

i. The permittee has violated any term, condition or requirement of the permit or any applicable provision of this Chapter; or

ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is no longer appropriate to except the discharge from the prohibitions on prohibited discharge contained within this Chapter; or

iii. The permittee fails to comply with any schedule for compliance issued pursuant to this Chapter; or

iv. Any regulatory agency, including EPA or a Regional Water Quality Control Board having jurisdiction over the discharge, notifies the City that the discharge should be terminated; or

v. Any other circumstances where the director determines in his or her sole discretion that continuation of the discharge will result in substantial harm to public health or the environment.

3. **Permit Modification.** The director may modify any permit provided that the permittee shall be informed of any change in the permit terms and conditions at least forty-five (45) business days prior to the effective date of the modified permit when it is determined that:

- i. Federal or state law requirements have changed in a manner that necessitates a change in the permit; or
- ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is appropriate to modify the permit's terms, conditions or requirements; or
- iii. A change to the permit is necessary to ensure compliance with the objectives of this Chapter or to protect the quality of receiving waters.

B. **Cease and Desist Order.** The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Cease and Desist Order. The Cease and Desist Order shall be delivered in accordance with Section 13.12.210. The Cease and Desist Order may direct the recipient to:

1. Immediately discontinue any action constituting a violation of this Chapter;
2. Immediately contain or divert any flow of non-stormwater off the premises where the flow is occurring in violation of any provision of this Chapter;
3. Clean up the area affected by the violation; and
4. Implement BMPs necessary to prevent a future violation.

Section 13.12.210. Notice.



Unless otherwise required under Chapter 1.14, any notice or order to be delivered pursuant to this Chapter shall be subject to the following:

A. The notice or order shall state that the recipient has a right to appeal the matter as set forth in Section 13.12.220 or in Section 1.14.060.

B. Delivery shall be deemed complete upon personal service to the recipient; deposit in the U.S. mail, postage pre-paid for first class delivery; or facsimile service with confirmation of receipt.

C. Where the recipient is the owner of the property, the address shall be the address from the most recently issued equalized assessment roll for the property or as otherwise appears in the current records of the City.

D. Where the owner or occupant of any property cannot be located after the reasonable efforts the notice shall be deemed delivered after posting on the property for a period of ten (10) business days.

Section 13.12.220. Appeal.

Except as provided for a notice of violation under Section 1.14.060, any person aggrieved by the decision of the officer, may file a written appeal to the director within 10 (ten) days following the date of delivery of the decision. Upon receipt of such request, the director shall request a report and recommendation from the officer and shall set the matter for hearing at the earliest practical date. At said hearing, all evidence and testimony deemed relevant and admissible by the Director shall be considered, and the Director may reject, affirm, or modify the officer's decision. Formal rules of evidence shall not apply. The decisions of the director shall be final. Failure to request a hearing or appear at the hearing shall constitute a waiver and failure to exhaust administrative remedies.

Section 13.12.230. Judicial Review.

The provisions of Code of Civil Procedure section 1094.5 are applicable to judicial review of determinations made by the director pursuant to this Chapter."

**Section 2. Action to Challenge This Ordinance.**

Any action or proceeding to attack, review, set aside, void or annul this ordinance must

be commenced and the service made on the City no later than ninety (90) days after the effective date of the ordinance.

**Section 3. Conflicting Ordinances Repealed.**

Any ordinance or part thereof, or regulations in conflict with the provisions of this ordinance, are hereby repealed. The provisions of this ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this ordinance.

**Section 4. Severability.**

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that any one or more section, subsection, sentence, clause or phrase thereof be declared unconstitutional, invalid or ineffective.


**Section 5. Effective Date and Publication.**

This ordinance shall become effective thirty (30) days after its adoption by the City Council. Within fifteen (15) days after the passage of the ordinance, the City Clerk shall cause a copy of the ordinance, including the names of the City Council members voting for and against it, to be posted in three (3) public places heretofore designated by resolution of the City Council for the posting of ordinances and public notices.

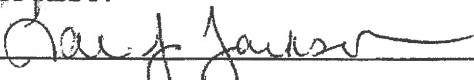
The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on the 19th day of March 2013, and PASSED, ADOPTED AND ORDERED posted at a regular meeting of the City Council of the City of Clayton on the 2nd day of April 2013, by the following vote:

AYES: Mayor Pierce, Vice Mayor Stratford, Councilmembers Diaz, Geller and Shuey.  
NOES: None.  
ABSENT: None.  
ABSTAIN: None.

APPROVED:

  
\_\_\_\_\_  
Julie K. Pierce, Mayor

ATTEST:

  
\_\_\_\_\_  
Laci Jackson, City Clerk

1awra/ordinance re stormwater management discharge control 2013

**CERTIFICATE OF TRAINING**  
CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD)  
AND  
QUALIFIED SWPPP PRACTITIONER (QSP)

---

**Richard Angrisani**

Apr 21, 2015 - Jul 19, 2017

*Certificate # 00927*



California Stormwater Quality Association and  
California Construction General Permit Training Team

## City of Clayton Enforcement Action Plan – Construction Projects

Inspections are conducted by the City Engineers office (The City also contracts with the Contra Costa County Building Inspection Dept for building inspections – however the City Engineer office is responsible for the NPDES site and housekeeping inspections)

If problem found the following are the levels of actions that take place:

### Level 1: Verbal notification

Inspector makes verbal notification to the site contractor, identifies the problem issue to them and requests correction either immediately or within 24 hours. Inspector shall make written not to the inspection file accordingly.

### Level 2: Written Warning

Site re-inspection occurs – if item corrected no further action needed. If item not corrected a written warning notice is prepared by the City Engineer and delivered by the Inspector to the site contractor and the property owner/developer if applicable. Inspector shall make written not to the inspection file accordingly.

### Level 3: Stop Work Order Verbal

If issue is not corrected then the inspector shall notify the City Engineer who shall authorize a stop work order verbally to the contractor via the inspector. Inspector shall order the contractor to stop all work except that needed to correct the issue. Inspector shall make written not to the inspection file accordingly.

### Level 4: Written Stop Work Order

The City Engineer shall notify the County Building Official and issue a written stop work order. The inspector shall provide the notice to the site contractor and a copy shall be sent to the developer/property owner if applicable. Inspector shall make written not to the inspection file accordingly.

### Level 5: Citation Issuance

If the stop work order is violated, then the City Engineer shall notify the City Code Enforcement Officer to commence citation process through the city code enforcement process. This would involve issuing a notice to comply/correct, then a notice of intent to issue a citation, then a citation. Inspector shall make written not to the inspection file accordingly. Copies of the Code Enforcement Officer notifications shall be copied to the City Engineer for the inspection file, and to the City Attorney Office.

### Level 6: Cease and Desist from City Attorney Office

City Attorney shall issues a cease and desist order, and compliance order. This involves obtaining a court issued cease and desist order.

### Level 7: Cease and Desist Court Order/ Right of Entry Order

The City Attorney shall file in Superior Court asking for a cease and desist and correction, including right of entry if the contractor does not make corrections as stipulated in the court order.



# Attachments

## City of Clayton

### for Section C-7

**Fiscal Year 2015/16 Public Information/Participation Events and Activities by the CCCWP**

	C.7.c. - Stormwater Pollution Prevention Education - Individually or collectively maintain and publicize one point of contact for information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives.		C.7.d. - Public Outreach and Citizen Involvement Events - Participate in and/or host a mix of public outreach and citizen involvement events such as fairs, shows, and workshops; and, creek/shore clean-ups, adopt-an-inlet/creek/beach programs, volunteering monitoring, storm drain inlet marking, riparian restoration activities, and community grants, respectively.		C.7.e. - Watershed Stewardship Collaborative Events - Individually or watershed stewardship collaborative efforts of community groups such as the CCWF, Friends of Creeks, etc.		C.7.f. - School-Age Children Outreach - Individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed messages in school-age children (K-12).		C.9.e. - Public Outreach to Consumers, PCOs & Residents - Conduct outreach to consumers at point of purchase via the Our Water Our World program. Conduct outreach to residents who use or contract for structural or landscape pest control, and to pest control operators and landscapers to reduce pesticide use.	
	# Required	Programs <sup>1</sup>	# Required	Programs <sup>1</sup>	# Required	Programs <sup>1</sup>	# Required	Programs <sup>1</sup>	# Required	Programs <sup>1</sup>
ANTIOCH	1+	C	5	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
BRENTWOOD	1+	C	5	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
CLAYTON	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
CONCORD	1+	C	7	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
COUNTY	1+	C	7	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
DANVILLE	1+	C	5	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
EL CERRITO	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
FLOOD CONTROL	1+	C	6	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
HERCULES	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
LAFAYETTE	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
MARTINEZ	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
MORAGA	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
OAKLEY	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
ORINDA	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
PINOLE	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
PITTSBURG	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
PLEASANT HILL	1+	C	5	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
RICHMOND	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
SAN PABLO	1+	C	7	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
SAN RAMON	1+	C	4	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M
WALNUT CREEK	1+	C	5	A, B, G, I, J	1+	A, B, D, H, I	1+	A, E, F	1+	G, J, K, L, M

<sup>1</sup>. Programs

- A. 2016 Community Watershed Stewardship Grant Program
- B. May 2016 "Bringing Back the Natives" Garden Tours
- C. CCCWP/BASMAA Websites - Provides CCCWP as Point of Contact, and webpages on Stormwater Issues, Watershed Characteristics, and Stormwater Pollution Prevention Alternatives.
- D. Program Participation on the Contra Costa Watershed Forum
- E. "Be Classy Not Trashy" Youth Outreach Litter Campaign
- F. Mr. Funnelhead School, City/County Events and TV Ads
- G. Our Water Our World (Tabling/Outreach Events at Stores)
- H. Green Business Program
- I. Website: CCcleanWater.org Community Calendar
- J. Website: MyGreenGarden.org (July 1, 2015 to December 31, 2015)
- K. CCCWP Pesticides Linger Campaign/Website - Directory to Hire Eco-Certified Structural Pest Control Operator at <http://www.ccleanwater.org/pesticideslinger/>
- L. CCCWP Website - Link to Bay Friendly Landscaping and Gardening Coalition (a.k.a. Rescape California), which provides a directory for hiring Bay Friendly Qualified Professionals at <http://rescapeca.org/directory/>
- M. July 2015 CCCWP Promotion of the Pesticide Applicators Professional Association's (PAPA's) Integrated Pest Management Seminar to PCOs held on July 28, 2015 in Concord.

# SERVICES

## Just Give Us a Call

**Extra Material**  
Please call at least 24 hours prior to your regular collection day to arrange for a pickup of extra garbage.

Our customer service representatives will be glad to provide you information about extra services. Call at (925) 685-4711.



**Holiday Recycling**  
Republic Services will notify you in your December solid waste bill of the holiday tree recycling and collection program. No flocked trees will be taken.

**How to Reach Us: New Online Service**  
Questions about your account are answered by Customer Service. You can:

- Call a customer service representative at (925) 685-4711.
- Write us at 441 N. Budman Circle, Folsom, CA 95633, Attn: Customer Service Manager.
- Visit the Republic Services web site at: [www.republicservices.com/latapadnao](http://www.republicservices.com/latapadnao)

or a check, report us a car repair, indicate a request for a new service or request other services online.

### Cart Stars

Cars are available in the following areas:

- Garbages: 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100
- Yard Waste: 64 gallons
- Cart dimensions:

Size	Width	Depth
20 gal.	22"	19"
22 gal.	24"	20"
24 gal.	26"	21"
26 gal.	28"	22"
28 gal.	30"	23"
30 gal.	32"	24"
32 gal.	34"	25"
34 gal.	36"	26"
36 gal.	38"	27"
38 gal.	40"	28"
40 gal.	42"	29"
42 gal.	44"	30"
44 gal.	46"	31"
46 gal.	48"	32"
48 gal.	50"	33"
50 gal.	52"	34"
52 gal.	54"	35"
54 gal.	56"	36"
56 gal.	58"	37"
58 gal.	60"	38"
60 gal.	62"	39"
62 gal.	64"	40"
64 gal.	66"	41"
66 gal.	68"	42"
68 gal.	70"	43"
70 gal.	72"	44"
72 gal.	74"	45"
74 gal.	76"	46"
76 gal.	78"	47"
78 gal.	80"	48"
80 gal.	82"	49"
82 gal.	84"	50"
84 gal.	86"	51"
86 gal.	88"	52"
88 gal.	90"	53"
90 gal.	92"	54"
92 gal.	94"	55"
94 gal.	96"	56"
96 gal.	98"	57"
98 gal.	100"	58"

### Misused Collection?

Please call within 24 hours to report that your garbage, recycle or yard waste cart has not been serviced.

### Missing?

If you are moving, please leave your recycling, yard waste and garbage cans in a secure location until you are ready to be serviced. Please call us to discuss this service.

### Missed Collection?

Please call within 24 hours to report that your garbage, recycle or yard waste cart has not been serviced.

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# CONSERVE

## Doing More – Beyond Curbside!

**Reuse Area at Central Sanitary**  
Need some paint? Carrying paint cans home is a pain. Why not try our Reuse Area at Central Sanitary HWRF Facility to drop off unwanted chemicals and pick up new ones, all at no charge! Open Monday through Saturday, 9 a.m. to 3:30 p.m.

**Old Milk, Piling Up?**  
Don't toss machines and over the counter drugs down the drain or sink. They enter the environment. Wiping pennies and five-cent coins into the gutter is the same. Recycle them. We have a special program for you. Bring your old coins to our Marine Transfer Station to be compacted, then to Miller Canyon Landfill in Pittsburg.

Employees do NOT sort through garbage and job-out recyclable items. Please put all recyclable items in the brown recycling cart!

**Why You Cannot Recycle...**  
By now, you know that you cannot recycle items that are not made of plastic, paper, metal, or glass. These items are not accepted for recycling. They include:

- Appliances (e.g., refrigerators, freezers, air conditioners, washers, dryers, etc.)
- Stoves
- A/C units
- Radios
- Televisions
- VCRs
- DVD players
- Car seats
- Mattresses
- Tires
- Auto parts
- Lawn mowers
- Tractors
- Generators
- Compressors
- Air conditioning units
- Freezers
- Dishwashers
- Dryers
- Washers
- Stoves
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- Radios



# RECYCLING

Weekly Service for Brown Cart



OK FOR RECYCLING

Cardboard

Clipboard (card, shoe boxes)

Glass containers

Metal cans

Metal items

Paper

Paper products

Plastic containers

Plastic containers

Empty cans, small metal items

Empty glass containers

Empty plastic containers

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NOT FOR BROWN CART

Batteries

Ceramics

Clothes hangers

Electronics

Including ink (including ink cartridges, CD's)

Food scraps

Green waste

Garbage

Household waste

Plastic bags, wrap

Styrofoam

REMEMBERS

Collections on WEDNESDAY on the same day as your garbage service.

For mixed service, please call within 24 hours.

No change for larger or extra recycle cart.

Plastic recyclables in brown cart. Do not mix in plastic.

Please break down boxes.

Extra cardboard can be recycled 4 times a year. See On-Call Recycling in 3rd Whole section.

Do not mix in completely round.

For recycling, consider recycling.

For recycling, please call within 24 hours.

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# YARD WASTE

Weekly Service for Green Cart



OK FOR RECYCLING

Card

Leaves

Prunings

Saw

Yard Trimmings

Yard Trimmings

Yard Trimmings

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WHAT NOT TO PUT IN YOUR GARBAGE CART

Batteries

Fluorescent bulbs

Household Waste

Medical sharps

Hard waste

Hard waste

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# We Help You Recycle Construction and Demolition Debris

Republic Services has the expertise and services that make it easier for builders and contractors to comply with laws that regulate the recycling and diversion of construction and demolition (C&D) debris from landfills.

## Complying with Regulations

Republic Services' staff will help you deal with the different rules and regulations in the communities where you do business and make recycling construction and demolition debris easier for you.

Does your building need to be LEED certified?

We can help your company cut through the red tape and paperwork and ensure that you receive proper documentation verifying that what you deliver to us meets all local regulations.

Call (925) 685-4711 with any questions.

## Single-Source, Separated Debris: Lower Rates

Customers can save by delivering single-source loads. These loads must contain only one kind of recyclable material. No garbage of any kind is allowed.

To create single-source loads and qualify for lower rates, customers must separate debris and construction material and place each type of material in individual debris boxes, i.e., a debris box for wood, another for metal, another for concrete and so on.

The following are accepted for single-source loads:

- Asphalt
- Concrete
- Dirt
- Metals (ferrous and nonferrous)
- Lumber
- Paper and cardboard

Please note: Contaminated debris boxes will be treated as garbage and charged at standard garbage rates.

Call (925) 685-4711 for details and more informa-

tion about the debris you are planning to recycle with Republic Services.

## Commingled Loads

To comply with local construction and demolition debris ordinances, customers must fill 50 percent or more of their debris boxes with recyclable materials. Recyclables can be any or a combination of the following:

- Cardboard
- Carpet padding
- Lumber and wood, including painted wood
- Metals
- Shake roofing
- Sheetrock, drywall, plasterboard, wallboard
- Small pieces and quantities of asphalt paving, concrete and rocks

Unacceptable materials in mixed loads include liquids, heavy steel plates, concrete tile roofing, crososote treated wood (railroad ties, utility poles, pressure-treated wood), hazardous wastes, including computer monitors, televisions, chemicals and paint.

## Debris Box Service

To order a debris box and for more information about recycling construction and demolition debris, call us at (925) 685-4711.

## Construction Contact

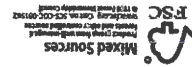
For further information contact Construction Representative Norm Bumgarner directly.

- Office: (925) 671-5820
- Cell: (510) 435-4203
- Fax: (925) 685-4735
- Email: [nbumgarner@republicservices.com](mailto:nbumgarner@republicservices.com)



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# RECYCLE CONSTRUCTION & DEMOLITION DEBRIS



(925) 685-4711



# Recycling Options: Single-Source or Commingled Debris

Local construction and demolition debris ordinances require customers to fill 50 percent or more of a debris box with recyclable materials in commingled loads.

Customers can save by filling a debris box with just one kind of recyclable material for single-source loads.

The charts at right offer guidelines for single-source and commingled loads for the recyclable materials below:

**Asphalt Paving and Roofing**  
Black or brown, tar-like material mixed with aggregate used as a paving material. Also composite shingles or other roofing material made with asphalt. (Prefer 2 ft. x 2 ft. x 1 ft. pieces.) No bricks.

### Cardboard

Contiguated cardboard boxes. No wax-coated materials.

### Carpet Padding and Carpets

Used carpets and carpet padding and remnants of both from new installations.

### Concrete

Material made from sand, aggregate gravel, cement mix and water, including pieces of building foundations, concrete paving, and concrete blocks. (Prefer 2 ft. x 2 ft. x 1 ft. pieces; small amount of rebar OK.)

### Drywall (Gypsum Board)

Interior wall covering made of a sheet of gypsum sandwiched between paper layers. Gypsum board may be called sheetrock, drywall, plasterboard, gyprock, gyproc or wallboard. Must be clean. No wire meshing, paper or cardboard.

### Lumber and Shake Roofing

Processed wood for building, manufacturing, landscaping, packaging and from demolition including lumber cutoffs, plywood and particleboard, wood scraps, pallets, fencing, shake roofing, siding. No creosote or lead-based paint. Nails OK.

### Metals

All ferrous and non-ferrous metals. Office furniture and fixtures, metal doors and framing, appliances, including heaters, freezers, refrigerators and air conditioners (additional fee required for removal of Freon and mercury switches).

### Plastics

Plastic containers and packaging labeled #1 through #7.

### Rocks

Stones and rocks of any size and shape including pebbles. No bricks. No sandstone.

### Soil and Fines

Soil, dirt, and other matter. Examples: sand, clay, soil and other fines. No rocks, sod or concrete.

## COMMINGLED LOADS

### Guidelines

- Contents of debris box must contain a minimum of 50% of recyclable material.
- Any of the materials pictured below can be used to meet that requirement.



Cardboard



Carpet Padding, Carpets



Drywall  
(Gypsum Board)



Lumber, Shake Roofing



Plastics



Metals

### NOT Acceptable

- No liquids, chemicals or paint.
- No hazardous materials including TVs and computer monitors and other electronic waste.
- No heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood).

## SINGLE-SOURCE LOADS

### Guidelines

- Debris box must contain 100% of one type of recyclable material.
- Any of the materials pictured below can be used to meet that requirement.



Asphalt Paving  
and Roofing



Cardboard



Concrete



Lumber, Shake Roofing



Rocks



Soil and Fines

### NOT Acceptable

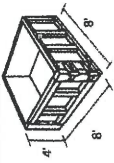
- No garbage.
- No liquids, chemicals or paint.
- No hazardous materials including TVs and computer monitors and other electronic waste.
- No heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood).

## DEBRIS BOX SIZES

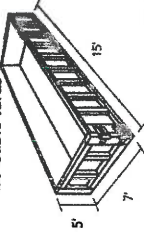
### Guidelines

Commingled construction and recycle debris in 20-, 30- or 40-cubic-yard boxes. Heavy-weight materials should be placed in 8-cubic-yard boxes. Heavy-weight materials include asphalt, concrete, rock and dirt.

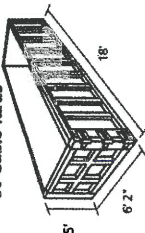
8 Cubic Yards



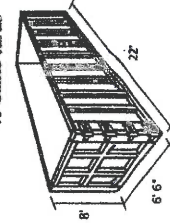
20 Cubic Yards



30 Cubic Yards



40 Cubic Yards



### Easy Access to Information

Check the Republic Services of Contra Costa County website or call for more information.

• Phone: (925) 685-4711

• Web: [www.republicservices.com/site/padheco-ca](http://www.republicservices.com/site/padheco-ca)



# One-Stop Construction & Demolition Recycle Ordinance Compliance Made Easy

951 Waterbird Way  
Martinez, CA 94553  
(925) 313-8900

## Open to the Public

Hours: 7 a.m. to 5 p.m. Daily

Except Easter, Thanksgiving, Christmas Day and New Year's Day

### Directions:

From Benicia, take I-680 South over Benicia Bridge, take Marina Vista exit, go right, then right on Waterbird Way;

From Walnut Creek, take I-680 North, take Marina Vista exit, go right, then right on Waterbird Way;

From Antioch, take Highway 4 West, then I-680 North, take Marina Vista exit, go right, then right on Waterbird Way.

## We Provide Proof of Recycling

Many communities have enacted local construction and demolition (C&D) recycle ordinances and require proof that your material has been recycled. Contra Costa Transfer & Recovery can provide you with the documentation you need to comply. Here's all you need to do:

**Step #1** Make sure your load has a minimum of 50% recycle material mixed with trash or a 100% clean (no trash) single source load. See information below.

**Step #2** Tell the scale house operator you need "Construction and Demolition Recycle Ordinance" on your weight ticket.

**Step #3** Your weight ticket will be your receipt to comply with local C&D recycle ordinances.

It's that easy!!

## Mixed Construction & Demolition Loads

Up to half (50%) of the load can be trash. However, at least 50% of the load MUST contain a combination of the following recycle materials:

- Cardboard – no wax-coated materials
- Carpet padding
- Lumber – dimensional lumber, lumber cutoffs, plywood, particleboard, wood scraps, pallets, fencing siding, cabinets
- Shake roofing
- Metals (ferrous and nonferrous) – metal doors, office furniture, fixtures, and framing, appliances, heaters, refrigerators, freezers, washers, dryers, air conditioners and any other scrap metal flashing. All Freon must be removed. There will be an extra charge for Freon removal.
- Sheetrock, drywall, plasterboard, wallboard
- Yard waste – branches and trees, lawn clippings, brush, prunings
- Painted wood

**UNACCEPTABLE MATERIAL** includes liquids, heavy steel plates, concrete, asphalt, rock, concrete tile roofing, creosote treated wood (railroad ties, telephone poles, pressure treated wood), hazardous waste including computer monitors and televisions.

## Source Separated Construction and Demolition Loads

You can bring a clean load of only metal, wood, lumber or green waste. The load must contain 100% of only one of these materials and contain **NO** garbage.

# City of Clayton C&D Waste Recovery and Disposal

## Certified Facility List

(\*Provisional authorization indicates on-site inspection of facility still required before final certification)

### Disposal Facilities

#### **Bio Fuel Systems**

30 Greenville Road, Livermore.....**925-455-5908**  
*Clean wood, green waste, tree stumps, and shingles (no tar paper).*

#### **County Quarry Products (Provisional)**

5501 Imhoff Rd, Martinez ..... **925-682-0707**  
*Concrete, asphalt, and dirt.*

#### **GreenWaste Recovery Facility**

625 Charles Street, San José .....**408-263-4800**  
*C&D materials accepted from GT Waste, Green waste Recovery*

#### **Newby Island Landfill**

1601 Dixon Landing Road, San José .**408-262-1401**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, carpet, green waste, and block foam.*

#### **Zanker Materials Processing Facility**

675 Los Esteros Road, San José.....**408-263-2384**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Contra Costa Transfer/Recovery Facility**

951 Waterbird Way, Martinez ..... **925-458-9800**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Acme Fill Corporation (Provisional)**

950 waterbird way, Martinez ..... **925-228-7099**  
*Separated metal, wood, soil, and mixed C&D Loads*

#### **Contra Costa Recycling Center & Transfer**

1300 Loveridge Rd, Pittsburg ..... **925-473-0180**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Davis Street Station for Material Recycling**

2615 Davis St, San Leandro ..... **510-563-4257**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Vasco Rd Landfill & Recycling Center**

4001 N. Vasco Rd, Livermore ..... **925-447-0491**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Hay Road Compost Facility/Landfill**

6426 Hay Road, Vacaville ..... **707-678-4718**  
*Clean wood, green waste, tree stumps*

#### **Organic Solutions (Provisional)**

1460 Goodyear rd, Benicia .... **707-751-0467**  
*Green waste, wood waste*

#### **Potrero Hills Compost Facility (Provisional)**

Potrero Hills Lane, Suisun City ... **707- 429-9600**  
*C&D materials accepted from GT Waste, Green waste Recovery*

#### **Pleasanton Transfer/Recovery Facility**

3110 Busch rd, Pleasanton.....**925-646-2642**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Sonoma Transfer/Recovery Facility**

4376 Stage Gulch Road, Sonoma ....**707-565-7940**  
*Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.*

#### **Woodmill Recycling Company (Provisional)**

5595 Byron Hot Springs Rd  
Byron, CA 94514  
*Green waste, wood waste, Concrete, asphalt, and dirt.*

#### **Diablo Valley Rock (Provisional)**

925 Waterbird Way,  
Martinez, Ca 94553 ..... **925-228-1118**

#### **M&M Services, Inc.**

580 Caletti Ave.  
Windsor, CA 94592 .... **877-698-8473**  
*Green waste, wood waste, Concrete, asphalt, and dirt.*

### Job Site Collection

City of Clayton has franchise  
agreement that requires on site  
use of Republic Services for C&D  
Waste Recovery and Disposal

# Never Put Sharps In A Recycling Or Trash Cart



**NO SHARPS**  
in Your Brown  
Recycle Cart



## A BIOHAZARD

Unless properly disposed of, sharps (needles & lancets) can:

- Injure workers
- Cause infections
- Spread disease
- Harm the environment

*Please see other side for proper disposal and more information.*



**NO SHARPS**  
in Your Blue  
Trash Cart



### NEVER PUT SHARPS IN A RECYCLING CART

Recyclables must be sorted by hand. Any sharps placed in your recycling cart/bin can stick a worker or puncture his or her gloves. See guidelines at right for the proper disposal of sharps.



## The Proper Way to Dispose of Sharps

By state law it is illegal to discard your sharps (needles and lancets) in household (or commercial) recycling or garbage. They must be placed in a certified sharps container and dropped off or sent to facilities licensed to handle biohazardous materials. Local and nearby dropoff sites include the following:

- **Martinez Police Station** • 525 Henrietta, Martinez
- **Benicia Fire Station** • 150 Military West, Benicia
- **Clayton City Hall**  
6000 Heritage Trail, 2nd Floor, Clayton
- **Mt. View Sanitary District**  
3800 Arthur Road, Martinez, 925-228-5635.  
*Call for directions or go to [www.mvsa.com](http://www.mvsa.com) for a map.*
- **Delta Household Hazardous Waste Collection Facility**  
2550 Pittsburg-Antioch Hwy., Pittsburg  
*Only east county residents are eligible to use this facility.*



We'll handle it from here.™





City of Clayton Pharmaceutical and Sharps drop off bins available to public during office hours

Located at City Hall 2<sup>nd</sup> Floor (Police Dept. Lobby)



## Easier to Recycle More

To enhance the City of Clayton's curbside recycling program and create increased convenience for customers to recycle, Allied Waste Services is offering Clayton customers a number of expanded recycling services so at least 50% or more of all solid waste in Clayton is recycled as required by state law.

## New and Additional Services Provided at NO CHARGE

**NO CHARGE** for an additional recycling cart.



**NO CHARGE** for a bigger recycling cart. Curbside recycling collection is unlimited as long as materials stay in the cart to avoid littering.



**NO CHARGE** and no limit for curbside collection of bulky items. To arrange a pickup, please call customer service at (925) 685-4711.

**NO CHARGE** for an additional yard waste cart.



**NO CHARGE** for a larger yard waste cart. Exchange your 64-gallon yard waste cart for a 96-gallon one.

**RECYCLE** household batteries and compact fluorescent bulbs curbside. Place in quart-size Ziploc bags next to recycling cart.



**QUESTIONS? Call (925) 685-4711.**



**NO CHARGE** for collection of e-waste. Call (925) 685-4711 to schedule a pickup.

**For Household Hazardous Waste**  
Call (800) 646-1431  
Central Sanitary District  
4797 Imhoff Pl., Martinez, CA



# Household Hazardous Waste Collection Facility

4797 Imhoff Place, Martinez, CA 94553-4392  
1-800-646-1431 • [www.centrsan.org](http://www.centrsan.org)



Protecting Public Health and the Environment

## HOURS OF OPERATION

**Residents:**  
*(no appointment needed)*

Monday through Saturday:  
9 a.m. - 4 p.m.

**Businesses:**

Monday through Saturday

**By appointment only**

**Closed:**

Sunday  
and most major Holidays

## The Solution to Pollution

**M**any products in your home contain chemical compounds that can poison, corrode, explode, or ignite when handled improperly. (See list of items on reverse.) When discarded, these substances become household hazardous waste (HHW) and can threaten human health and the environment. For this reason, it is illegal to dispose of HHW in the trash or down any drain. That is why the Central Contra Costa Sanitary District established the HHW Program—to provide local residents with convenient and environmentally safe HHW disposal.

Hazardous wastes brought to our Household Hazardous Waste Collection Facility will never reach waterways through sewers, storm drains, or landfills. To help prevent pollution of our water environment, please bring your HHW to the facility.



**THERE IS NO DROP-OFF FEE FOR ELIGIBLE RESIDENTS!**

## COMMUNITIES ELIGIBLE TO USE THE FACILITY

*The collection program services are paid for by members of the communities on the map at right as part of their sewer service charge. Partnership agreements between CCCSD, MVSD, Concord, Clayton, and San Ramon (for southern area) ensure that all central county residents have access to these services.*





# What Can You Bring to the Household Hazardous Waste Facility?

## Household products

- Batteries
- Fluorescent bulbs & compact fluorescent lights (CFLs)
- Mercury thermostat switches
- Grouts/caulking
- Pool chemicals

## Paint and paint-related products

- Latex & oil-based paints
- Wood stain & varnishes
- Paint remover/paint thinner & solvents



## Household cleaning products

- Bleach
- Liquid cleaners
- Upholstery/rug cleaners
- Oven cleaners
- Furniture polishes
- Tub & tile cleaners

## Personal care products

- Mercury fever thermometers
- Fingernail polish & remover
- Hair care products
- Perfumes & colognes

## Automotive products

- Motor oil
- Gasoline
- Antifreeze
- Brake fluid
- Transmission fluid
- Solvents
- Car batteries
- Car cleaning products

## Garden care and pest-control products

- Pesticides
- Herbicides
- Fertilizers

## Other

- Cooking oils and grease (large quantities, as from a turkey fryer)
- Propane tanks (5 gallon or less)



## Free Stuff !

The facility has a Reuse Room stocked with items brought in for disposal that are still in useable condition. The inventory often includes paint, wood stain, garden products and a wide variety of cleansers—and they're all free to facility users! The Reuse Room is open Tuesday – Saturday, 9 a.m. – 3:30 p.m.

## We do not accept:

- Medicines
- Medical wastes (including sharps—syringes, needles, lancets, etc.)
- Electronic waste (computers, TVs, cell phones, etc.)
- Explosives (ammunition, picric acid, fireworks, etc.)
- Compressed gas cylinders (propane accepted)
- Wastes contaminated with PCBs (fluorescent light ballasts accepted)
- Treated wood wastes

State regulations limit the transportation of hazardous waste to 15 gallons or 125 pounds per visit. Individual containers are limited to 5-gallon capacity.

There is no drop-off fee and no appointment necessary for residents of central Contra Costa County. Small businesses require an appointment and are charged a nominal fee. For more information, please call 1-800-646-1431 or visit our website: [www.centrialsan.org](http://www.centrialsan.org)

## HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY HOURS AND LOCATION

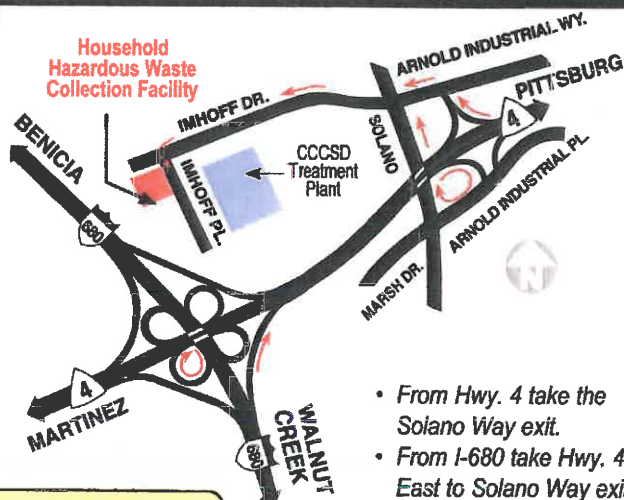
**Residents:** Monday – Saturday, 9 a.m. - 4 p.m.  
(Reuse Room closes at 3:30 p.m.)

**Businesses:** Monday – Saturday, by appointment only

**Phone: 1-800-646-1431**  
**[www.centrialsan.org](http://www.centrialsan.org)**



**Household Hazardous Waste Collection Facility**  
4797 Imhoff Place, Martinez, CA 94553-4392



- From Hwy. 4 take the Solano Way exit.
- From I-680 take Hwy. 4 East to Solano Way exit.



**REPUBLIC  
SERVICES**

## 2015 Holiday Schedule

Republic Services observes Christmas Day and New Year's Day holidays. If your collection day falls on those holidays or later in the week, service will be one day later.

### Residential Treecycling

#### Antioch

- Drop-off Locations: You can drop off your **unflocked** trees from 8 a.m. - 5 p.m. **Saturday-Sunday, Dec. 27-28, 2014, & Jan. 3-4, 2015**, in the **designated areas** at the Prewett Family Water Park parking lot and at the Antioch Marina Overflow parking lot at 2nd and L streets. Please remove tree stands before drop-off.
- Boy Scout Treecycling: Scouts will pick up holiday trees **Saturday-Sunday, Dec. 27-28, 2014, & Jan. 3-4, 2015**. Have trees ready for pickup before 9 a.m. at the curb. Donations of \$10 for **unflocked** trees or \$1 per foot if taller than 10 feet or \$20 for flocked trees, payable to BSA, would be appreciated. For more information email the Boy Scouts at [treepickup@diablosunrise.org](mailto:treepickup@diablosunrise.org).
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Recycling Center Drop-off Option: See "Drop-off Locations" on the back of insert for address, hours.
- Flocked trees can be picked up for a fee of \$40 or as one of your two, free, large-item pickups.
- Questions? Call customer service at (925) 685-4711.

#### Bay Point, Clyde

- **Monday, January 12, 2015. Unflocked** holiday trees will be picked up curbside. Please remove tree stand and decorations before leaving your tree at the curb.
- Boy Scout Treecycling: See Antioch information above. Bay Point schedule and contacts are same.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on the back side of this notice.
- Questions? Call customer service at (925) 685-4711.

**NOTE: Flocked trees cannot be recycled. They can be collected curbside for a fee of \$40 per tree. Pickups must be scheduled in advance. Call (925) 685-4711. Flocked trees may also be included with one of your cleanups. If cut to fit inside with the lid closed, flocked trees may be placed in your trash cart.**



#### Clayton, Unincorporated Concord, Morgan Territory

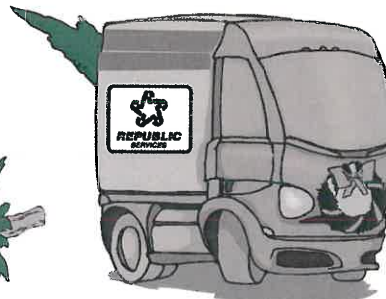
- **Sunday, Jan. 4, 2015:** Boy Scouts will pick up trees in **Clayton only**. Leave **unflocked** trees at the curb by 8 a.m. Donations would be appreciated. Mail checks (do not attach to tree) to BSA Troop 484, 807 Savignon Court, Clayton, 94517. Contact: Chris Llata at (925) 348-3319 or email [arbornut@gmail.com](mailto:arbornut@gmail.com).
- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Remove tree stand, decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See other side for "Drop-off Locations."
- Questions? Call customer service at (925) 685-4711.

#### Martinez, Alhambra Valley, Mt. View

- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Remove tree stand, decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on the back side of this notice for address and hours.
- Questions? Call customer service at (925) 685-4711.

#### Pleasant Hill, Unincorporated Pleasant Hill, Pacheco

- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Please remove tree stand and decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on other side of this notice for address, hours.
- Questions? Call customer service at (925) 685-4711.







# 2015 Holiday Schedule

(continued)

## REPUBLIC SERVICES

### MULTI-FAMILY TREECYCLING

#### Antioch

- The Boy Scouts will pick up **unflocked** trees in multifamily complexes. A donation of \$10 or \$1 per foot for trees taller than 10 feet or \$20 for flocked trees would be appreciated. To arrange a pickup, email the Boy Scouts at [treepickup@diablosunrise.org](mailto:treepickup@diablosunrise.org).

#### Bay Point

- **Unflocked** trees will be picked up in your complex on **Monday, January 12, 2015**.
- Please leave your tree out by 6 a.m. on **Monday, January 12, 2015**.
- Ask your property manager where trees should be left. Please remove tree stand.

#### Clayton (Diamond Terrace Apts./Kirker Court Apts.)

- **Unflocked** trees will be picked up in your complex the week of **January 12-16, 2015**.
- We cannot determine in advance what day your tree will be picked up. Please leave your tree out by 6 a.m., beginning **January 12, 2015**.
- Ask your property manager where trees should be left. Please remove tree stand.

#### Martinez, Alhambra Valley, Mt. View, Pacheco, Pleasant Hill, Unincorporated Pleasant Hill

- **Unflocked** trees will be picked up in your complex the week of **January 12-16, 2015**.
- We cannot determine in advance what day your tree will be picked up. Please leave your tree out by 6 a.m., beginning **January 12, 2015**.
- Ask your property manager where trees should be left. Please remove tree stand.



### DROP-OFF LOCATIONS

If you miss curbside collection or forget to put your **unflocked** tree in your yard waste cart, you can bring your tree to 444 N. Buchanan Circle in Pacheco, across from Republic Service's main office, between 8 a.m. and 4 p.m. Monday through Friday. Please do not drop off trees before or after the hours listed above.



### IMPORTANT

- Please remove lights, ornaments, tinsel, nails and stands from trees.
- No plastic bags.
- As part of our treecycling program, flocked, painted, fireproofed or artificial trees are not accepted.
- Flocked trees can be collected curbside for a fee of \$40 per tree. Pickups must be scheduled in advance. Call (925) 685-4711. Flocked trees may also be included with one of your cleanups. If cut to fit inside with the lid closed, flocked trees may be placed in your trash cart.





# Holiday Treecycling

Let's start the New Year off right by recycling our holiday trees.

Remember to put out your tree for recycling by 6 a.m., beginning Monday, Jan. 12.

Please place your tree here:



(Collection area for our complex)

Place trees at the collection area of our complex by 6 a.m. of a weekday, beginning Jan. 12, for collection the week of Jan. 12 - 16, 2015. You can also recycle your tree 8 a.m. to 4 p.m. Monday - Friday at 444 N. Buchanan Circle, Pacheco. Call (925) 603-1383 for more information.

## How to Prepare Your Tree for Recycling



**NOTE: Flocked and artificial trees cannot be recycled. Place these in the blue garbage dumpster(s).**

### Do's:

- Remove lights, ornaments, tinsel and other trimmings from branches.
- Cut in half trees that are 10 feet or more in height.
- Remove stands, whether metal, plastic or wood. Trees with stands attached cannot be collected and recycled through composting.

### Don'ts:

- No flocked or artificial trees.
- Do not leave lights, ornaments, tinsel, stands and other trimmings on the tree.



441 North Buchanan Circle  
Pacheco, CA 94553

FIRST-CLASS  
US POSTAGE  
PAID  
Pleasant Hill, CA  
Permit No. 122

**Season's Greetings  
to our customers  
in Clayton!**

**Help us begin the New Year right  
by recycling the holiday trees  
in your complex. Trees must be  
out by 6 a.m. of a weekday,  
beginning Monday, Jan. 12,  
for pickup Jan. 12-16, 2015.**

# Recycling Yule Trees

Dear Valued Customer:

As in holidays past, we need your help to divert as many trees from the landfill as possible.

Here is what you can do to help us promote recycling in your complex:

- **Please designate an area** that is centrally located and easily accessible for your residents to drop off their holiday trees.

- **Notify your residents** of the collection days by writing in the collection location on the inside of this flyer and either post or distribute copies of it to your residents.

Thank you for helping us "Treecycle." On behalf of all our employees, we wish you and your family a safe and happy holiday season.

*Republic Services*



July 2015

Dear Valued Customer,

We would like to bring to your attention to two (2) mandatory recycling laws in California that affect your business:

1. AB 341 requires businesses that generate 4 cubic yards or more of waste per week and apartment communities/multi-family residential dwellings with 5 or more housing units to have a recycling program in place.<sup>1</sup>
2. AB 1826 will require businesses to recycle their organic waste (food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste). Businesses that generate 8 or more cubic yards of organics per week must arrange for recycling service by April 1, 2016. Other businesses, with less than 8 cubic yards of food waste per week, will have to begin a food waste recycling program at a later date.<sup>2</sup> Unsure how much organic waste your business generates? Please visit this website: <http://www.calrecycle.ca.gov/Recycle/Commercial/Organics/> for a tool that will help determine how much organic waste your business generates, or contact Recycling Coordinator Anne Baker at [abaker@republicservices.com](mailto:abaker@republicservices.com) or 925-671-5806.

Even if you don't generate this much waste, you could still benefit from implementing or improving your recycling program. Republic Services is the solid waste and recycling collection service provider for your area. We are uniquely qualified to provide recycling solutions to help reduce your garbage bill. The more you recycle, the smaller your garbage container, the lower your garbage bill.

We also offer waste audits at no charge to help identify ways to recycle as much of what you're currently throwing away as possible. *If you already have a recycling account with us*, we want to thank you for compliance with the law and we invite you to improve your recycling efforts with an audit.

Please contact Recycling Coordinator Anne Baker at [abaker@republicservices.com](mailto:abaker@republicservices.com) or 925-671-5806 if you would like to:

- **Learn how you can increase your recycling, decrease your trash, and save money with a waste audit**
- **Get rid of unwanted items without filling the landfill with recyclable materials**
- **Request recycling stickers for indoor receptacles, literature, and/or educational meetings to help you maximize recycling in your workplace**
- **Help save limited natural resources with greener business practices**



We appreciate your business and look forward to continuing to help meet your garbage and recycling collection needs. Your recycling efforts will help the environment while diverting material away from landfills in compliance with California laws.

Republic Services

*Certified Green Business and an environmental partner you can count on with a growing fleet of compressed natural gas (CNG) vehicles*

**<sup>1</sup> California's Mandatory Commercial Recycling Law**

For more information about the California's new mandatory recycling law, visit

[www.calrecycle.ca.gov/climate/Recycling/default.htm](http://www.calrecycle.ca.gov/climate/Recycling/default.htm)

**<sup>2</sup> California's new Organics Recycling Law**

For more information, visit <http://www.calrecycle.ca.gov/recycle/commercial/organics/>

City of Clayton

Republic Services Curbside Collection Data for FY 15-16

	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015	1/1/2016	2/1/2016	3/1/2016	4/1/2016	5/1/2016	6/1/2015	Total
<b>Oil filters</b>	13	3	10	20	13	10	20	17	16	21	22	20	185
<b>Batteries</b>	412	314	1440	386	343	377	513	659	1327	770	760	1749	9050
<b>Lightbulbs</b>	98	4	46	111	94	112	73	116	108	160	137	108	1167
<b>Mattresses</b>	18	2	4	12	4	5	3	6	14	9	8	12	97
<b>E-waste</b>	5	4	9	11	13	5	7	6	18	19	13	18	128
<b>White Goods</b>	13	11	22	17	13	12	10	9	24	15	12	15	173
<b>Used Oil (gal)</b>	97.26	28.48	55.35	88.75	50.55	78.08	85.2	181.13	84.04	98.11	98.41	125.86	1071.22



# 10 easy ways to save water in your home

It's time to renew your conservation efforts and ensure you are using water efficiently. Saving water has never been so easy.



## 1. Insulate pipes

Insulate hot water pipes so less water needs to be run for hot water to reach the faucet. This also helps save energy.

## 2. Replace old toilets

You can save 60 percent by replacing your older (pre-1992) toilet with a new High-Efficiency Toilet (HET).

## 3. Replace old washer

By replacing your older top-loading washer with a new high-efficiency model, you use 50 percent less water and energy. They are also kinder to your clothes.

## 4. Check for leaks

Test your toilets for leaks. Place food coloring in the tank. If the color appears in the bowl, you have a leak. Either your water level is too high, or your flapper needs to be replaced.

## 5. Run full loads

Run your clothes washer & dishwasher with full loads to maximize water & energy efficiency.

## 6. Keep water cool

Keep a container of water in the fridge so you don't need to run water down the drain until it's cool enough to drink.



## 7. Plug it up

Put a plug in the bathroom sink when shaving rather than rinsing your razor under running water.

## 8. Save while showering

If your showerhead can fill a one-gallon bucket in less than 20 seconds, replace it with a high-efficiency showerhead. Drop by CCWD and pick up a free high-quality, high-efficiency showerhead.

## 9. Brush & conserve

When brushing your teeth, remember to keep the water off until you are ready to rinse your brush. Every drop counts.

## 10. Always aerate

Make sure there are aerators on all of the faucets in your home. Faucets without aerators can use more than three times the water.





# 10 easy ways to save water in your garden



## 1. Cycle & soak

Use the cycle and soak method for watering your lawn and landscape. For fixed and pop-up spray sprinklers, water three cycles per day, four to six minutes each cycle. Schedule start times one hour apart. If you have rotating sprinklers, water three cycles per day, 10 to 12 minutes each cycle.

## 2. Adjust watering

Shrubs, or lawn in shade (north/east side of your house), will generally require up to 50 percent less water than the same plants in full sun (south/west side). Adjust your watering to account for different microclimates in your garden.

## 3. Water early

Don't water during the middle of the day. This can scorch the leaves. It's best to water in the early morning as the sun is rising and temperatures are cool.

## 4. Check your sprinklers

Check your irrigation system every couple of weeks for broken or misaligned sprinkler heads. This can save a significant amount of water and keep your landscape looking great!

## 5. Manage your timer

Every two to four weeks, adjust the watering schedule to reflect changes in the weather. Reducing the watering schedule by one-minute on each sprinkler station can save more than 50 gallons per day!



## 6. Reduce your lawn

Reduce the size of your water-thirsty lawn and replace it with water-efficient low-maintenance plants.

## 7. Mow

Mow lawns to 2 1/2 to 3-inches during the summer. This will improve the quality of the lawn and reduce water demand.

## 8. Mulch

Mulch is the little-noticed workhorse of many smart gardeners' landscapes. Maintain a 2- to 3-inch layer of organic mulch in all planting areas.

## 9. Use a broom

Use a broom instead of a hose to clean your driveway and save up to 80 gallons of water every time.

## 10. Aerate

Aerate your lawn. This allows water and oxygen to get to the roots. You can either leave the soil plugs on the lawn or remove them to another part of the garden.







## LOSE A LAWN • GET A GARDEN

**\$1,000 REBATES** (up to)

- Replace Lawn with Water-Wise Landscaping
- Rebate is \$1.00 per sq. ft. replaced
- Pre-Approval is required
- Non-residential sites call for details



For Program Eligibility and Information

Call: **(925) 688-8320** or

Visit: **[www.ccwater.com/consERVE](http://www.ccwater.com/consERVE)**







Prohibitions of Water Use



PAY YOUR CCWD BILL



CONSERVATION SAVE WATER!



CURRENT JOB OPENINGS

Home / Customer Service / State Mandated 2015 Drought Emergency Plan

## STATE MANDATED 2015 DROUGHT EMERGENCY PLAN

### 2015: Unprecedented Drought

California is facing one of the most severe droughts on record.

This year's slight rain and snowfall levels follow two previous years of below-average precipitation. Reservoirs were already low.

Governor Brown declared a drought State of Emergency in January. In April, he reinforced that order and asked for 25 percent savings across the state.

Individual water agencies were ordered to reduce water consumption at different levels. CCWD was ordered to reduce by 25 percent.

### RESOURCES FOR SAVING WATER

#### [Drought Survival 101](#) [Indoor & Outdoor](#)

[Version Espanola](#)

#### [Water Waste Prohibitions](#) [Fact Sheet](#)

[Version Espanola](#)

[CCWD Conservation](#)



[Earn a Rebate When You Replace Your Front Lawn With a Drought-Tolerant Garden](#)

[Sign up for our Water Conservation Newsletter](#)

[California's Save Our Water Website Has Lots of Great Information on Ways to Use Water](#)

[Report Water Waste](#)  
[Do you see Water Waste? From runny toilets to washing down the driveway, fill out our form and we'll contact them...](#)

To comply with the state's order for a 25 percent statewide reduction in water use, the Contra Costa Water District has implemented its Drought Emergency Plan.

The District is required by the state to reduce water consumption overall by 25 percent, and is requiring its single family and multi-family residential, commercial and institutional customers to save 25 percent compared to 2010 and its irrigation customers to save 45 percent.

### Start Saving Water Now

To encourage all residential customers to meet the 25 percent reduction requirement, the District's Board of Directors approved on June 3 temporary pricing adjustments as called for in the [Governor's Emergency Order](#).

This includes a temporary pricing adjustment for households that use more than an average of 200 gallons per day. This would temporarily increase the unit cost of treated water by 50 cents a unit (a 740 gallons of water). The temporary pricing adjustment would end once the emergency order is lifted.

The Board has also implemented fines of up to \$500 for violations of prohibitions. Prohibited uses include watering your lawn more than twice a week, or washing a car without a shut-off nozzle on the hose. Here's the complete list. The possibility of fines only apply to the prohibited uses, not to your water bill or meeting your reduction requirement.

CCWD customers have been doing a good job at conserving and need to keep those efforts up this summer. Consistent with the state mandates and as temperatures rise, CCWD is looking to customers to focus on reducing their outdoor water use this summer to achieve these mandates.

If you use less than an average of 200 gallons per day, you will not be subjected to the temporary pricing adjustment. Households that reduce water use by 25 percent will be able to lower their bills. Please try to conserve to save.

### FAQS

- [What is a drought emergency, and what impact does it have on me?](#)
- [How much do customers need to conserve?](#)
- [When will the CCWD Drought Program go into effect?](#)
- [How can I find my 2013 water use?](#)
- [Are there any fines?](#)

[View All](#)

### Drought FAQs on a PDF

### QUICK LINKS

- [Reservations Request Form](#)
- [Mulch Coupons Will Help You Save Water](#)
- [Car Wash Coupons](#)
- [Report Water Wastes or Water Theft](#)
- [Save Our Water](#)

[View All](#)

# 2015 WATER WASTE PROHIBITIONS FACT SHEET

**California is experiencing an extremely severe drought. Contra Costa Water District (CCWD) is asking its customers to do their part to conserve water.**

- Residential and commercial customers are required to reduce water use by 25% compared to 2013
- Irrigation customers are required to reduce water use by 45% compared to 2013

**The following uses of water supplied by CCWD have been determined to be wasteful and are prohibited.**

- Watering outdoor landscapes more than two days per week
- Watering outdoor landscapes during the daylight hours of 9 a.m. and 5 p.m.
- Watering outdoor landscapes in a manner that causes excessive runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures
- Watering outdoor landscapes during and up to 48 hours after measurable rainfall
- Washing a vehicle, trailer or boat using a hose without a shut off nozzle
- Washing paved or other hard-surfaced areas, including sidewalks, walkways, driveways, patios, and parking areas
- Use of water for non-recirculating decorative fountains or filling decorative lakes or ponds. The District strongly suggests all fountains be turned off
- Watering turfgrass on public street medians
- Serving drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served or purchased
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. A notice shall be prominently displayed in each bathroom
- Watering landscapes of newly constructed homes and buildings not in accordance with emergency regulations or other requirements established by the Building Standards Commission and the Department of Housing and Community Development
- Recycled water must be used for construction and dust control where available

## **Violations of the Prohibited Uses**

If a customer violates a prohibited water use, CCWD will first issue a warning and work with the customer to educate them about the prohibition and the violation. If the violation occurs a second time, the District will issue a \$250 fine. If the violation occurs a third time, the District will issue a \$500 fine. If the violation continues, the District may suspend water service. In addition to the fines, a penalty may be charged of \$10 per 748 gallons used in violation of the prohibition.





# DROUGHT SURVIVAL 101

## SAVING WATER IN THE LANDSCAPE

### Watering Trees and Shrubs

Mature trees and shrubs are often the most valuable landscape plants, and they are often quite drought tolerant. Water mature trees and shrubs **one-day** per week and maintain a 2" to 3" layer of mulch in all landscape areas.

### Watering Lawns

During the Drought, consider letting ornamental lawns go without water. Because lawn is the largest water using plant in most landscapes, this can save a considerable amount of water. If you do want to maintain a lawn through the drought, you are prohibited from watering more than two days per week, which is sufficient for lawns to survive.

### Annual flowers

This is a good year to eliminate the use of annual flowers. Annuals, like lawns, use a lot of water.

### Mulch Mulch Mulch

The single most important thing you can do for your trees and shrubs is to maintain a 2" to 3" layer of mulch in all planting areas. This will maintain soil moisture and reduce plant stress during the hot summer. Don't use a blower in shrub beds as it removes mulch.

### Have a Leak?

The best way to check for a leak is to first make sure all water is turned off and then read your water meter. The meter will have an odometer like a car and a dial. Write down (or take a photo) the numbers and the location of the dial. Then wait one hour and do it again. If the meter has not changed, you don't have a leak. If it does change, you can then determine how big a leak you have.

### Read your meter

Read your water meter on a weekly basis and keep a log of the usage. You can then compare your water use (average gallons per day) to your target, and adjust your watering schedule as needed.

### Water early or late

Outdoor watering between 9 a.m. and 5 p.m. is prohibited. You can save water by irrigating in the early morning or in the evening, when temperatures are cooler.

### Sweep, don't spray

Hosing down a driveway or patio is prohibited and you could save up to 10 gallons per minute by using a broom.

### Inspect Sprinklers and Drip

Check your irrigation system for broken or misaligned sprinkler heads. Also check drip systems for missing or broken emitters. Maintaining the system in good working order will save water and keeps the landscape looking good.

### Irrigation Timer

Irrigation timers can waste a considerable amount of water if not managed properly. Check the schedule regularly to ensure you are only watering when you want to. Alternatively, turn the timer to the off position and just turn it on when you want to water.



CONTRA COSTA  
WATER DISTRICT  
[ccwater.com/conserv](http://ccwater.com/conserv)

# DROUGHT SURVIVAL 101

## SAVING WATER INDOORS

### Replace old toilets

If your toilets were installed prior to 1994, consider replacing them. Toilets made prior to 1994 use 3.5 to 5.0 gallons per flush. New toilets now only use 1.28 gallons per flush and perform better than ever.

### Full Loads

Run washing machines and dishwashers with full loads only.

### Hand Washing Dishes

It is generally better to use a dishwasher. But, when washing dishes by hand, don't let the water run. Instead fill one basin with wash water and the other with rinse water.

### Showerhead

Install a new low-flow showerhead. Look for one that has a flow rate of 2.0 gallons per minute or less.

### Shaving

Turn off the faucet when shaving or brushing your teeth.

### Garbage Disposal

Use the garbage disposal sparingly. Instead you can compost vegetable food waste and save gallons every time.

### Replace old Clothes Washers

If your clothes washer is an older top-loading model consider replacing it with a new high efficiency model. New clothes washers use half the water and energy and are also kinder to your clothes.

### Bucket in the Shower

Many homeowners use a bucket in the shower to catch water. This can be used to water plants or flush the toilet.

### Avoid Rinsing Dishes

Instead of rinsing dishes before putting them in the dishwasher, scrape food scraps into a compost bin. Modern dishwashers are pretty good at cleaning stuck on food.

### Toilet Flushing

Consider whether or not to flush the toilet after every use.



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WATER DISTRICT  
ccwater.com/conserva





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Save Our Water The Original Water Agency & Business System



## Drought facts

On January 3, the state conducted its first snow survey of the wet season and found more bare ground than snow. Statewide, the snowpack water content is just 20 percent of average for this time of year.



The Sierra Nevada snowpack melts in the spring and summer. It collects in reservoirs to provide about one-third of the water Californians use each year.

Many parts of California — including Sacramento and Los Angeles — marked calendar year 2013 as the driest on record.

River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

These extremely dry conditions follow two previous dry years statewide.

Storage in the big reservoirs that typically help California cope with dry weather is well below average for this time of year.

The state's two biggest reservoirs, Shasta and Oroville, are both at 57 percent of historical levels for the date.

The Department of Water Resource's late November experimental seasonal forecast for the water year sees mostly dry conditions for the state.

On average, about half of California's statewide precipitation occurs in December, January and February. Only a handful of large winter storms account for the difference between a wet year and a dry one in California.

Other years have started dry and ended with normal or above-normal precipitation. Each dry day that passes makes it less likely that will happen.

### Conservation why and how

Drought history

Drought facts

Water sources

Climate change

Environmental problems





If you witness illegal dumping dial 9-1-1 immediately and report all relevant details (date/time, location, description of vehicle, license, and driver, etc.) so that law enforcement can effectively respond.

If the illegal dumping has already occurred contact the Contra Costa Clean Water Program at: 1-800-NO-DUMPING.

**Hazardous Waste Facility Numbers:**

Central Contra Costa Sanitary District HHW  
4797 Imhoff Place, Martinez  
(800) 646-1431

Delta-Diablo Sanitation District  
2550 Pittsburg-Antioch Highway, Pittsburg  
(925) 756-1990

West County HHW Collection Center  
101 Pittsburg Avenue, Richmond  
(888) 412-9277  
(925) 372-3440 (Emergency)

Call the

**CONTRA COSTA CLEAN WATER PROGRAM**  
at 925-313-2360

for more information  
about stormwater regulation.

# Trash Best Management Practices (BMPs) For Businesses



PHOTO COURTESY OF JESSICA KIRSTE

**ONLY RAIN DOWN THE DRAIN**

water is life.  
ccleanwater.org



**CONTRA COSTA  
CLEAN WATER  
PROGRAM**

255 GLACIER DRIVE | MARTINEZ, CA 94553-4825  
PH: (925) 313-2360 | FX: (925) 313-2301  
1-800-NO DUMPING [(1-800-663-8674)]



# It is illegal to allow anything other than rain water to be discharged to a storm drain.

Trash in our environment impairs our waterways' beneficial uses such as recreation, wildlife habitat, commercial fishing, and degrades water quality. Trash such as plastic bags harm wildlife by entanglement or ingestion. Trash may also contain hazardous materials such as heavy metals, toxic chemicals (solvents, chlorinated compounds), oil and grease products as well as other materials that are harmful to the environment.

Trash should never enter our environment or be washed down storm drains and into creeks. Individuals and businesses who improperly handle and dispose of trash are subject to fines and criminal prosecution.



Millions of dollars are spent by local governments to remove trash from creeks and open areas. Tax dollars spent disposing of trash could be spent on community services such as repaving roads and police protection.

To prevent trash from polluting our environment, incorporate BMPs into your business operations.

## Trash BMPs for Businesses



### DUMPSTERS AND TRASH RECEPTACLES

- Regularly inspect dumpsters and trash compactors for leaks and broken parts, and if found repair or replace.
- Keep dumpster and common areas of your business clear of trash and keep dumpster lids closed.
- Provide trash receptacles for your customers and encourage their use.
- Ensure the size of your dumpster is appropriate for the trash load of your business.
- Properly bag trash before putting it in the dumpster.
- Do not hose out dumpsters. Apply absorbent over any fluids spilled in dumpster. If trash dumpster area requires cleaning, use dry clean up methods or a permitted mobile washer.
- If your business uses a tallow bin then keep bins leak free and clean. Keep tallow bin area clean, covered and secured.

### OUTDOOR AREAS

- Mark all storm drains with 'No Dumping' markers (markers can be procured at your local municipality).
- Discourage illegal dumping by posting "No Dumping" signs, providing adequate lighting, and/or fencing in open areas.
- Sweep your store front and common areas and keep storm drains clear of trash.
- Require contractors to collect all their trash including landscaping debris.

### DURING BUSINESS ACTIVITIES

- When transporting materials, cover and tie down loads.
- Train your employees to keep trash off the streets, parking areas and out of storm drains.
- If your business includes tenants, communicate proper trash BMPs. Include trash control requirements in lease documents.



### RECYCLED MATERIALS/HAZARDOUS WASTE

- Reduce your disposal cost by recycling materials such as plastics, paper, cardboard, aluminum cans, and glass to reduce trash in landfills.
- Compost food scraps and landscape debris. Talk with your waste hauler regarding available services.
- Go to [cccrecycle.org](http://cccrecycle.org) for information on how to recycle materials.
- Keep hazardous waste out of trash receptacles (this includes e-waste, appliances, paint, batteries, fluorescent light bulbs, cleaning chemicals, pesticides, etc.) Call Contra Costa Hazardous Materials at 925-646-2286 for proper handling of hazardous materials.





Call the

**CONTRA COSTA CLEAN  
WATER PROGRAM**

at **925-313-2360**

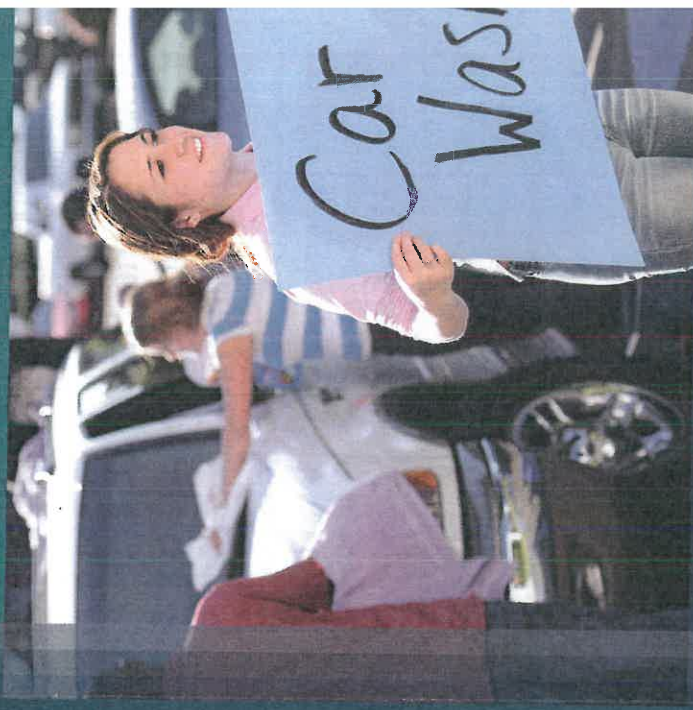
to reserve a

car washing kit.

**Only Rain  
Down the  
Drain.**

**water is life.**

[cccleanwater.org](http://cccleanwater.org)



**PROPER CAR WASH FUNDRAISING  
IN CONTRA COSTA COUNTY**



**CONTRA COSTA  
CLEAN WATER  
PROGRAM**

255 GLACIER DRIVE | MARTINEZ, CA 94553-4825  
PH: (925) 313-2360 | FX: (925) 313-2301  
1-800-NO DUMPING (1-800-663-8674)



**CONTRA COSTA  
CLEAN WATER  
PROGRAM**



## It is illegal to allow anything other than rain water to be discharged to a storm drain.

Wash water from cleaning cars should never be discharged to a street, gutter, parking lot, or storm drain. Wash water from cleaning cars contains materials such as solvents, heavy metals, dirt, and soapy water which can degrade water quality and creek habitats. Individuals who improperly handle and dispose of non-stormwater materials down the storm drain are subject to civil and criminal prosecution.

## How are the Storm Drain and Sanitary Sewer Systems Different?

Throughout urban communities, the storm drain system transports rainwater to local creeks, the bay, the delta, and to the ocean. This system was created to prevent flooding within communities and homes. All water and materials that enter the storm drain system is **untreated**. The sanitary sewer is a plumbed system that transports sewer water from buildings to a wastewater collection and treatment facility, where the water and sewage is treated before being released back into the environment.

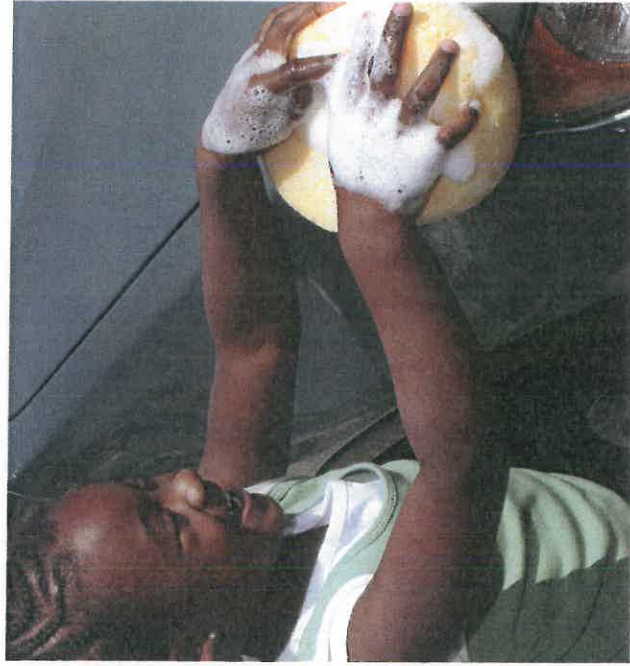
If you see an outdoor drain and are unsure of its use, assume it is a storm drain and do not discharge wash water to it.

## Planning a Car Wash Fundraiser?

Charity car wash events need to include protection of the storm drain system to prevent pollution from entering creeks and other waterways. To stop pollution from entering our storm drains, best management practices, that are included in this brochure, are required to ensure that your car washing event does not pollute the environment. Please follow these steps before conducting your car washing event:

**Step 1:** Contact your local City or County to ensure that charity car washing events are legal within your community.

**Step 2:** If charity car washes are legal at the location of your event, contact the Contra Costa Clean Water Program to reserve a car washing kit free of charge. Car washing kits are distributed through your local City or County. Fill out all liability release forms (found on the Contra Costa Clean Water Program's website at [cccleanwater.org](http://cccleanwater.org)) required to borrow the car washing kit.



**Step 3:** Obtain permission from the owner of the event location to conduct a car washing event and locate an approved sanitary drain or vegetated area to discharge your wash water.

**Step 4:** Please read the directions provided with the kit and follow appropriately.

**Step 5:** At the end of your event, return the car washing kit to your local City or County.

## How to Get a Kit

Kits are available on a first come first served basis and reservations can be made up to a month in advance. Each city that provides a car washing kit in Contra Costa County has its own location for pickup. Call the Contra Costa Clean Water Program at **925-313-2360** to make a reservation and obtain location information to borrow a kit. All kit parts will be confirmed to be in working condition before pickup. All parts must be returned in working condition or replaced if broken. Be sure to return your kit on the agreed date and time. Late drop off will compromise kit availability for your own organization in the future.

### WHAT'S IN THE KIT?

- > Instructions
- > Submersible Pump
- > Two 50-Foot Extension Cords (GROUNDED)
- > Roll Duct Tape
- > 3'x4' Heavy Duty Rubber Mat
- > 50' or Longer Garden Hose
- > Two Spray Nozzles (HARD PLASTIC)
- > Three Safety Cones (LARGE)

Any organization borrowing the kit will need to provide its own washing materials (soap, sponges, towels) and find its own location that includes a water source, an electrical outlet, and an appropriate discharge location for the wash water—either a sanitary drain or a vegetated area.

**Good luck on your car wash fundraiser—and thanks for helping to keep our environment clean and safe.**

# FANCY A HOT BATH?

**LITTER TRAVELS.**

But it can **STOP** with you.

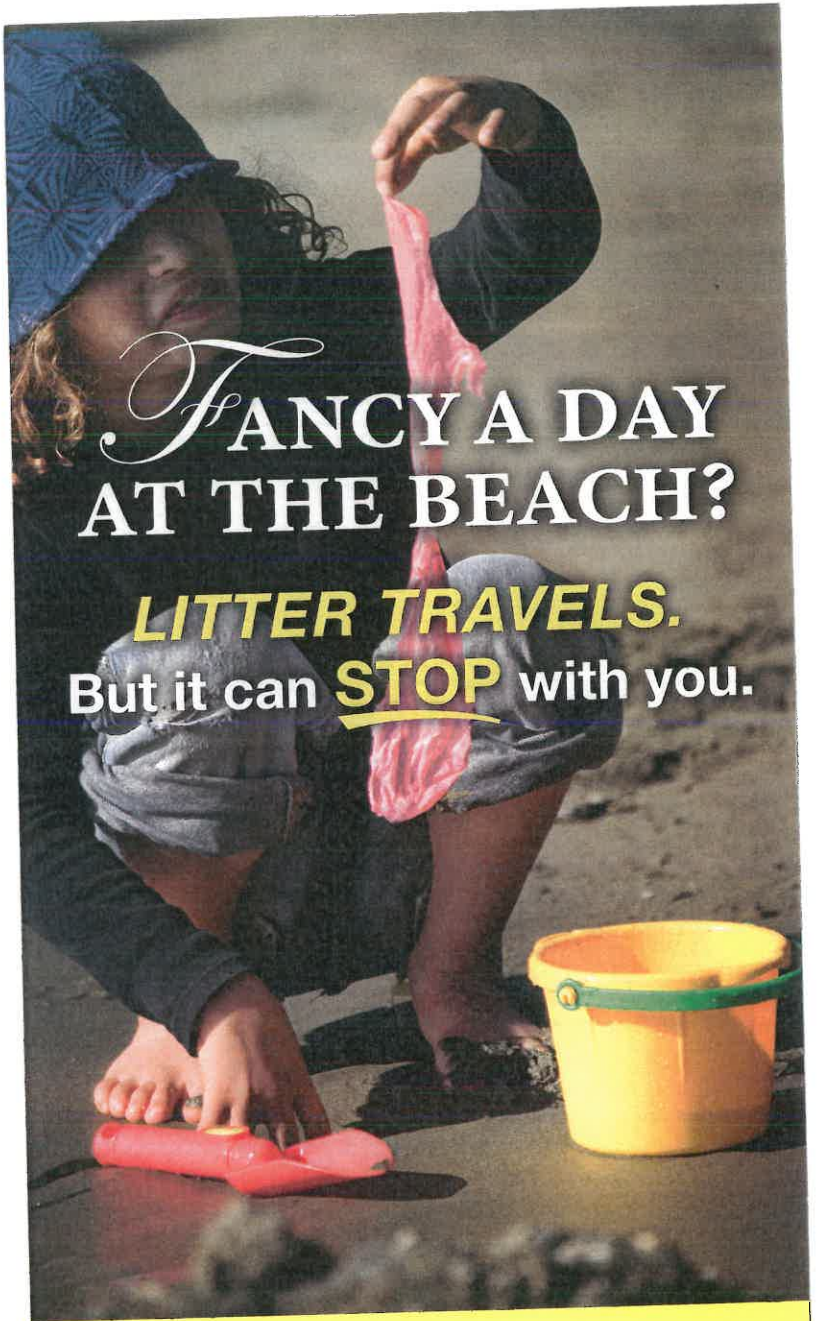


CONTRA COSTA  
CLEAN WATER  
PROGRAM

SUPPORT LITTER-FREE  
LOCAL WATERWAYS

[CCCleanWater.org](http://CCCleanWater.org)





*F*ANCY A DAY  
AT THE BEACH?

**LITTER TRAVELS.**  
But it can **STOP** with you.



CONTRA COSTA  
CLEAN WATER  
PROGRAM

SUPPORT LITTER-FREE  
LOCAL WATERWAYS

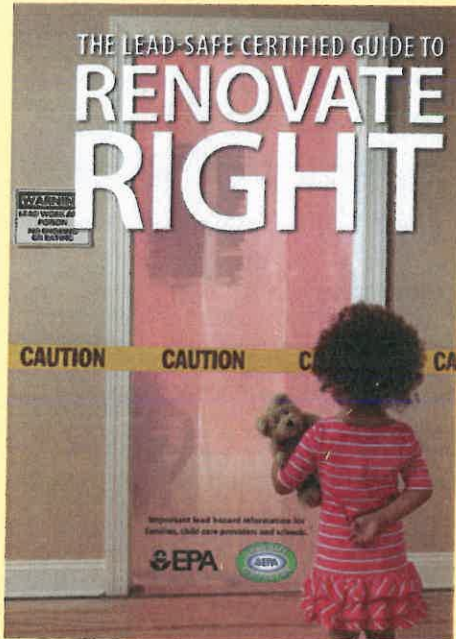
[CCCleanWater.org](http://CCCleanWater.org)

# NEW REGULATION ON LEAD:








## Renovation, Repair and Painting (RRP)

— Effective April 22, 2010 —



### YOU NEED:

-  To be trained and certified as a renovator
-  To use lead-safe work practices
-  To keep required records
-  To make required disclosures
-  To know that there is a potential \$37,500 penalty per violation

### Why is it important?



#### LEAD DUST HURTS KIDS!

Repair or remodeling projects which disturb lead paint can produce enough lead dust to evenly cover this card. That amount will poison a 1,500 sq. ft. house or apartment, and will fail inspection.

For information: <http://epa.gov/lead/pubs/rrpfactsheet2008.htm>

Or call: United States Environmental Protection Agency (EPA)  
(415) 947-4164



**February 8** – 38<sup>th</sup> Annual **Camellia Tea**, Clayton Historical Society, 6101 Main Street, 1pm to 4pm. Coffee, tea, and treats honoring the veterans from WW2. A great opportunity to tour the Museum decorated in the season's bloom of camellias. For more information call Mary Spryer 672-7232 or [www.claytonhistory.org](http://www.claytonhistory.org).

**March 1st** – 15<sup>th</sup> Annual **Chili Cook Off** – **Clayton Club Saloon**, 6096 Main Street, 10am – 4pm; judging noon-1pm. Prizes-awards for top three of 20 entries. Entry forms at Clayton Club. For info [www.claytonclubsaloon.com](http://www.claytonclubsaloon.com); or email at [steve@claytonclubsaloon.com](mailto:steve@claytonclubsaloon.com); (925) 998-0549.

**March 7<sup>th</sup>** – **Library 20<sup>th</sup> Birthday Recognition Program** – Annual Library Birthday recognition, Foundation meeting and volunteer recognition Clayton Library Hoyer Hall 10 am to 11 am. For more info contact Joyce Atkinson at 672-3850.

**March 12** - American Cancer Society **Clayton Rely For Life Kick Off orientation meeting** open anyone interested in learning more about the event and helping or participating -7:00 pm St John's Episcopal Church 5555 Clayton Road, Clayton CA, for more information [www.relayforlife.org](http://www.relayforlife.org)

**March 27, 28 and 29 -- Annual Clayton Library Birthday Celebration and Creekside Arts Celebration**  
Friday 6pm-8:30pm; Saturday 10am- 6pm; Sunday Noon-5pm – Clayton Community Library 6125 Clayton Road; for info call Arlene Nielson 673-9777 or email at [akiksen@aol.com](mailto:akiksen@aol.com)

**April 1 through 31 – April on the Mountain** – various hikes and nature activities within Mt. Diablo State Park and nearby regional park areas. For information call 673-2891 or 972-7222.

**April 8 through October 28 (tentative)-- Wednesday evenings Classic Cars and Classic DJ Rock and Roll** music 6pm-8pm Main and Diablo Streets downtown Clayton. For more information call Skipolini's Pizza at 672-1111.

**April 15<sup>th</sup>** - Clayton Theater Company **Arsenic and Old Lace special preview** Endeavor Hall 6008 Center Street - 50% of ticket sales will go to the American Cancer Society Relay for Life of Clayton. [www.BrownPaperTickets.com](http://www.BrownPaperTickets.com) - for more information [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com) or Roxanne Pardi at \_\_\_\_\_

**April 16<sup>th</sup> – 19<sup>th</sup> & 22<sup>nd</sup> – 25<sup>th</sup>** - Clayton Theatre Company presents **Arsenic and Old Lace** a classic Broadway comedy stage play at Endeavor Hall 6008 Center Street, Clayton CA 94517. \$22.00 Adults • \$18.00 Seniors 62 & older • \$16.00 Students  
Box Office opens at 6:30pm – tickets available [www.BrownPaperTickets.com](http://www.BrownPaperTickets.com) For more information [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com) or Roxanne Pardi at \_\_\_\_\_

**April 17, 18, 19 – Spring Book Sale.** The Semi Annual Library Foundation pre owned Book Sale @ Clayton Library Community Room, 6125 Clayton Rd. Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public--Sat. 10-6; Sun. Noon-4; information call 672-3672 [www.claytonlibrary.org](http://www.claytonlibrary.org)

**April 29 – Annual Spaghetti Feed** – 5pm – 8pm at Endeavor Hall, 6008 Center Street, Downtown Clayton, AAUW American Association of University Women for information contact Joan Chesterman at 672-7815 or email: [JChesterman@astound.net](mailto:JChesterman@astound.net)

**April 24 and 25 – Clayton Community Library Foundation 20th Anniversary elegant dessert celebration Murder Mystery**  
7pm-9pm; tickets \$15, Clayton Library Hoyer Hall; for info call Arlene Nielson 673-9777 or email at [akiksen@aol.com](mailto:akiksen@aol.com)

**April 25 and 26 – Annual Gardens Tour** 10am – 4pm Rain or Shine various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or [www.claytonhistory.org](http://www.claytonhistory.org)

**April 25 – Spring Clayton Cleans Up** - Rain or shine, 9 am to Noon. Meet at City Hall Courtyard, 6000 Heritage Trail, for Information - call Pamela at Clayton Pioneer at 672-0500 or email: [pamela@claytonpioneer.com](mailto:pamela@claytonpioneer.com).

**April 25** – 20<sup>th</sup> Annual **Devil Mountain Double Century Bicycle Ride**- starts and ends in San Ramon-- Pine Hollow Rd, Mt Zion to Clayton Rd, to old Marsh Creek Rd, 7:30am- 9:30am for info contact Scott Halversen (510)-882-6727, email: [syh\\_cpa@pacbell.net](mailto:syh_cpa@pacbell.net) or [www.quackcyclists.com](http://www.quackcyclists.com)

**May 2<sup>nd</sup> and 3<sup>rd</sup>** -- Annual **Art and Wine Festival** Sat: 10am – 7:00 p.m.; Sun: 10am – 5pm, Main Street downtown Clayton. Art, Crafts, Food, Music, Kiddieland. Information - Call CBCA at 672-2272; or [www.claytoncbca.org](http://www.claytoncbca.org)

**May 9 through September 26 – Clayton Farmers Market** Saturday's 8am-Noon – Downtown Clayton on Diablo Street (between Main and Center Streets). For more information contact Pacific Coast Farmers Market at [www.pcfma.com](http://www.pcfma.com) or call 1-800-949-3276 (no market on September 7).

**May 9 – Annual Plant Sale**, Clayton Valley Garden Club, Rain or shine. Endeavor Hall Parking Lot 8 am-1pm. Call Diane Selme at (925) 672-2845 for information; email: [dianeandrolf@aol.com](mailto:dianeandrolf@aol.com) or [www.claytonvalleygardenclub.org](http://www.claytonvalleygardenclub.org)

**May 9 – Clayton Valley Charter High School – Bands/Music March – A – Thon.** 9am to noon- Downtown, to Library, Easley Drive, Stranahan Circle and Grove Park. For info contact Venus Suasin at [vsuasin@comcast.net](mailto:vsuasin@comcast.net)

**May 9 -- Concerts in the Grove** kick off 6pm – 8:30pm – Grove Park Gazebo Downtown Clayton --Main Street– **Department of Rock** - known for their..... precise harmonies, this band is tops in northern CA. They will bring you back to the days of sock hops, drive in movies, beach parties and clean living. [www.departmentofrock.com](http://www.departmentofrock.com)

**May 23 -- Sat Night Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **Big Band Beat** with spot-on vocals, that plays the true musical heart and sound of the \_\_\_\_\_. This is a get up and dance band. harmonies, but most important, the feel of the \_\_\_\_\_. [www.bigbandbeat.com](http://www.bigbandbeat.com)

**May 25 – Annual Memorial Day Program** by the VFW Post 1525, 10am Downtown Clayton Flagpole, Main and Oak Streets. Information call Pau! Carroll at 628-9508 or [paulgcarroll@sbcglobal.net](mailto:paulgcarroll@sbcglobal.net).

**June 1 – Annual Clayton Business and Community Association Golf Tournament**, Oakhurst Golf Course; noon shotgun start, dinner afterwards. Contact CBCA at 672-2272 or [www.claytoncbca.org](http://www.claytoncbca.org)

**June 6 – Sat Night Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street the “**Boys of Summer Tribute**” music style of band goes here . [www.boysosummertribute.com](http://www.boysosummertribute.com) for more info.

**June 11 – Thurs. Night Grove Concert** – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street - **name of band here** bring elements of rock, swing, blues, 60s soul and R&B. This 10-piece rock and soul band from Los Gatos plays the greatest songs recorded. Known for their high energy and fun performances, you will dance to the. [www.websitehere.com](http://www.websitehere.com)

**June 20 – Sat Night Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street “**Mustache Harbor**” " Featuring the sound of \_\_\_\_\_ **big-band sounds of the 40s, 50s, and 60s**, including swing and our favorite “crooner tunes” of yesteryear through today. 40 professional musicians! [www.mustacheharbor.com](http://www.mustacheharbor.com)

**July 2 - Clayton Youth Theatre Camp** presents scenes from: “Aladdin Jr.”, “Matilda” & “Newsies” at Endeavor Hall 6008 Center Street, show times at 1:00 pm & 3:00 pm. - for more information [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com) or Roxanne Pardi at \_\_\_\_\_

**July 2 – tentative Thurs. Night Concert in the Grove** – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “**Band TBD**” type of music here . [www.band web site here.com](http://www.bandweb site here.com) for more info.

**July 4 – Annual Pancake Breakfast & Parade**– Downtown Clayton, Pancakes at Endeavor Hall(6008 Center Street) at 7am Clayton Valley Sunrise Rotary, \$5 adults and \$3 kids 12 and under; parade on Main Street 10 am, for info: Sandy Johnson at 693-0463 or main parade application at [www.cityofclayton.org](http://www.cityofclayton.org) (no parade application needed for kiddie parade – just line up on Oak street near between Main and Center Street that morning)

**July 4 – Sat. Night Concerts in the Grove** – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton - Main Street “**Plan B**” music style goes here [www.facebook.com/PlanBCLayton](http://www.facebook.com/PlanBCLayton)

**July 10 tentative - Friday Night Family Movies** – “movie TBD outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](http://www.claytoncc.com)

**July 17 tentative - Friday Night Family Movies** – “Movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060 [www.claytoncc.com](http://www.claytoncc.com)

**July 18 – Sat Night Concerts in the Grove** - 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street – **Loose Blues** band features \_\_\_\_\_ music. Singing the greatest new country hits of today with some great rock-n-roll and standards of country music. A little bit country and a little bit rock-n-roll. [www.looseblues.com](http://www.looseblues.com)

**July 24 tentative - Friday Night Family Movies** – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](http://www.claytoncc.com)

**July 30 – tentative Thurs. Night Concert in the Grove** – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street **band TBD, music info goes here** for more info. , **band web site goes here**

**July 31 tentative - Friday Night Family Movies** – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](http://www.claytoncc.com)

**August 1 – Sat Night Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street – **Diamond Dave Hosley** is back for the 8th consecutive year with his ability to cover **all round hit music from yesterday to today**. With capacity crowds at every Clayton concert, he is truly one of Clayton’s favorites. [www.davehosley.com](http://www.davehosley.com)

**August 6 – Thurs Night Grove Concert** -- 7:00 pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street band to be determined



**August 8 - Sixth Annual Rib Cook-Off** 10 am – 6pm; CBCA Annual Event at Clayton Club patio 6096 Main Street – for more info contact Sue White at 672-2272 or [www.claytoncbca.org](http://www.claytoncbca.org) or [www.claytonclubsaloon.com](http://www.claytonclubsaloon.com)

**August 15 (tentative) – Relay For Life** – American Cancer Society – location to be determined, contact Lindsay.Davis@cancer.org or at (925) 788-0064 or [relayforlife.org/california](http://relayforlife.org/california)

**August 15 – Sat. Night Concerts in the Grove** 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street **“The Fundamentals”** a high-energy stage show with three dynamic lead vocalists, the hottest horn players around and a super tight four-piece rhythm section. “Red Hot Rockin’ Soul” for the last 15 years. From Michael Jackson, Earth Wind & Fire and Beyoncé to Journey and Bon Jovi, you will hear your favorite **R&B, rock, pop and soul tunes**.

**August 20 – Thurs Night Grove Concert** – 6:30-8:30 pm Grove Park Gazebo Downtown Clayton --Main Street **“band TBD**.

**August 29 - Sat Night Concerts in the Grove** –6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **“FourJour”** -- a tribute band to **Foreigner and Journey** [www.reverbnation.com/forejour](http://www.reverbnation.com/forejour)

**September 5 – Eleventh Annual Soap Box Derby and Classic Car Show** 9 am – 3 pm, Main Street Downtown Clayton. For information call Clayton Community Church (925) 673-9060.

**September 11 (tentative) -- 9/11 Remembrance**, 7pm at Station 11 Firehouse lawn – corner of Center and Clayton Rd. bell ringing and candlelight walk to downtown flagpole for information call Clayton Community Church at 673-9060.

**September 12 – Concerts in the Grove** -- last concert of the summer 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton -- Main Street – **East Bay Mudd** -- This 10-piece cover dance band with a powerful four-man horn section, will keep you dancing all night long. Their upbeat and commanding take on **contemporary classics, soul, funk and R&B tunes** leaves you asking for more. Always a great band to end our concert season. [www.eastbaymudd.net](http://www.eastbaymudd.net)

**September/October TBD** — Clayton Valley Charter High School **Homecoming Parade** —4-6pm, Main Street, call Ms. Ljepava, 682-7474 for information.

**Oct. 2, 3, & 4 – Oktoberfest kids Carnival** – Main/Oak St. CC Church offices parking lot & field Friday Oct 2, 5pm-10pm Sat Oct 3, 11am-10pm; Sunday Oct 4, 11 am to 9 pm Information - Call CBCA at 672-2272; or [www.claytonoktoberfest.com](http://www.claytonoktoberfest.com)

**October 3<sup>rd</sup> & 4<sup>th</sup> – Oktoberfest** Sat: 11am - 8pm; Sun: 10 - 6pm; Main Street Downtown Clayton. Art, Crafts, Food and kids Carnival rides. Information - Call CBCA at 672-2272; or [www.claytonoktoberfest.com](http://www.claytonoktoberfest.com)

**Oct. 9-11, 15-18, & 22-24** – Clayton Theatre Company presents **Urinetown** a Tony award winning musical comedy at Endeavor Hall 6008 Center Street, Clayton CA 94517– tickets at [www.BrownPaperTickets.com](http://www.BrownPaperTickets.com) For more information Roxanne Pardi at \_\_\_\_\_ OR [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com).

**October 16, 17, 18 – Fall Book Sale**. Semi Annual Library Foundation pre owned Book Sale @ Clayton Library Community Room, 6125 Clayton Rd. (Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public --Sat. 10-6; Sun. Noon-4) information call 672-3672. [www.claytonlibrary.org](http://www.claytonlibrary.org)

**November 20, 21 & 22 (tent)** -- Annual Clayton Valley Woman’s Club **Holiday Boutique Sale**; 11am to 4pm, Clayton Community Meeting Room, 6125 Clayton Road. Information call Peggy Arundell at 672-2043 or Priscilla Manlove at 672-3039.

**December 5 -- Annual Caroling and Tree Lighting**. Rain or Shine --Downtown Clayton, Grove Park to Main and Oak Streets,- Carriage Rides 4:30-6:30; Caroling 6pm; Tree Lighting 6:30 pm . Information Call CBCA at 672-2272.

**December TBD** – Annual **Hospice Tree Lighting** @ Concord John Muir Hospital Parking Lot, Almond /East Street 5:30 pm., for info contact at 925-887-5678 or at [www.hospiceeastbay.org](http://www.hospiceeastbay.org)

**December 10 -- Annual Christmas Cookie Contest** Judging Reception, 6:30 pm at Clayton Community Library Meeting Room, 6125 Clayton Road. Contest Deadline 10<sup>th</sup>. Call Clayton Pioneer at 672-0500 for information, or [www.claytonpioneer.com](http://www.claytonpioneer.com)

**December 12 -- Annual Christmas Tea with Mrs. Claus and Santa** 11 am – 2 pm, Endeavor Hall, 6008 Center Street - Call CBCA at 672-2272.

**December 12 (tentative) – Annual Holiday Toy Collection** Clayton Valley Charter High School Lacrosse Team – new toy donations being accepted 10 am to 2pm, at the Grove Park Gazebo, downtown Clayton – for info contact Tracy Morse, CVHS Men's Lacrosse Team Rep, Tel: 925-207-0382; email: [traceylmorse@gmail.com](mailto:traceylmorse@gmail.com) more info at [www.cvlacrosse.com](http://www.cvlacrosse.com).

**December 13 – Annual Holiday Home Tour** Noon - 7pm Various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or [www.claytonhistory.org](http://www.claytonhistory.org).

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## **Other events, activities, and local organizations**

### **Clayton Community Gym and Recreation: All year**

Various activities for youth and adults including basketball and volleyball through a management partnership with the All Out Sports League (AOSL). Gym rental available for kids parties and events too. Contact the Clayton Community Gym located at Diablo View Middle School call (925) 203-5626; [www.alloutsportsleague.com](http://www.alloutsportsleague.com)

**Clayton Community Library** various programs and activities: 6125 Clayton Road; [www.claytonlibrary.org](http://www.claytonlibrary.org); or call 673-0659.

### **Clayton Museum** various history exhibits 6101 Main Street (Joel Clayton Home)

-- Open Wednesdays and Sundays 2pm to 4pm; and Saturdays June 1 through August 31<sup>st</sup> from 10 am – Noon; or by appointment and during some special downtown community events. 6101 Main Street; [www.Claytonhistory.org](http://www.Claytonhistory.org) or phone 672- 0240 for more information.

### **Little League Season**

March 14 through July 24: contact Clayton Valley Little League [www.CVLL.org](http://www.CVLL.org) or Kevin Dern (415) 760-1198 or email: [kdcvll@gmail.com](mailto:kdcvll@gmail.com)

### **Soccer Season**

Youth – August 1- November 20: contact Mt. Diablo Soccer League, Stephani Cicconi 925-383-1989 email: [stephanicicconi@yahoo.com](mailto:stephanicicconi@yahoo.com)

Adult – July – Sept.: contact Clayton Soccer Club, Rob Sears at 925-451-1110

**Oakhurst Country Club** (private membership golf, tennis, swim, swim team and gym club) [www.oakhurstcc.com](http://www.oakhurstcc.com)

Or call 672-9797 x205; x210; x217

**Oakhurst Business Networking Mixer** – First Thursday of every Month. Open to the Public, free. Oakhurst Country Club, 1001 Peacock Creek Dr. (925) 519-8753; <http://oakhurstcc.eventbrite.com/>

**Dana Hills Cabana Swim Club** (memberships to the public available) contact Shauna Maffei 925-381-2021; [shaunamaffei@gmail.com](mailto:shaunamaffei@gmail.com) or [www.danahillsotters.com](http://www.danahillsotters.com)

**Dana Hills Swim Team (Otters)** contact: Cathy Meyers 683-2125 or [cathy@diabloValley.net](mailto:cathy@diabloValley.net); or

Lauren Velez 768-6685 [velezfamily@comcast.net](mailto:velezfamily@comcast.net) (pentathlon meet is mid July at Dana Hills) [www.danahillsotters.com](http://www.danahillsotters.com)

**Clayton Community Emergency Response Team (CERT)** - The Community Emergency Response Team (CERT) provides opportunities for residents a, businesses and those that work in the community training to be prepared and have a formal structure in the event of an emergency. Training on home and neighborhood safety and response in various emergency and disaster is provided as well as training on hands only CPR. [www.claytoncert.org](http://www.claytoncert.org) for more information.

**Mt. Diablo Trail Ride Association-** is a local non-profit organization dedicated to horsemanship, with 200 acres next to Mt Diablo off Russelman Road just at Clayton's easterly boarder. The MDTR Association has equestrian facilities, club house with pool, and monthly social potlucks, complete equestrian facilities, a club house with pool, horse boarding, horse camping, rentals, a cross country jump course, clinics, events and very affordable membership fees. For more info [www.cmdtra.org](http://www.cmdtra.org)

**Clayton Business and Community Association (CBCA)** a non-sectarian, non-partisan and non-profit community organization. working together to improve the general welfare, prosperity and common good of the entire Clayton community. Members are local professionals, businesses and individuals The CBCA provides the vehicle for social networking and camaraderie through fund raising activities, meetings and social gatherings, and for working as a group for our community. The CBCA annually presents four major Clayton events, the Art and Wine Festival, Golf Tournament, Rib Cook –Off, and the Oktoberfest, along with the annual downtown Holiday decorations, Tree lighting with Santa, and Mrs. Claus Tea. Funds raised by the CBCA go back to projects in the community and local schools. [www.claytoncbca.org](http://www.claytoncbca.org)

**Clayton American Association of University Women (AAUW)** The AAUW promotes equity for women and girls, lifelong education, and positive societal change. The Clayton Branch is highly active in community programs. One notable program is the Clayton Library which was begun by the branch and supported by the members. [www.claytonaauw.org](http://www.claytonaauw.org)

**Clayton Valley Woman's Club - CVWC** members are community-minded women of all ages, from the Clayton/Concord area and beyond, who have joined together to provide community service through volunteering and fundraising. We are dedicated to meetin the needs and interests of all members as we meet the needs in our community. [www.claytonvalleywomensclub.org](http://www.claytonvalleywomensclub.org)

**Clayton Valley Garden Club** – formed to bring together people in that area with an interest in gardening including community projects such planter boxes on Main Street and near the Clayton Library and the daffodils at the town center entry at old Marsh Creek Rd and Clayton Road. [www.claytonvalleygardenclub.org](http://www.claytonvalleygardenclub.org)

**Clayton Historical Society** – membership open to all that have in interest in wanting to learn more and help preserve the local history of the community. It works to research, collect, record, preserve, display, borrow, share, and interpret local history information and memorabilia, and to promote understanding of Clayton origins and development. Its volunteers operate and maintain the Clayton Historical Museum for visitors and hosts student classes an special tours . It locates, records, inventories, publicizes and marks historic sites, buildings and natural features making recommendations. The Society has developed a "twinning" bond with Joel Clayton's birth town, Bugsworth, England, and the town he founded. [www.claytonhistory.org](http://www.claytonhistory.org)

**Diablo Vista Soroptimist** – a service organization that focuses on ways to improve the lives of women and girls in our local community and throughout the world. [www.sidiablovista.org](http://www.sidiablovista.org)

**Clayton Theater Group** – started in 2012– to entertain, educate and elevate the community and surrounding areas with live theater. CTG is a nonprofit theatre company providing performing arts to the local and surrounding community. Spring and fall productions with actors 16 or older are provided and a summer youth theater camp for ages 6-16. Rehearsals and shows at Endeavor Hall – For information contact Roxanne Pardi at 222-9106 or email [claytontheatercompany@comcast.net](mailto:claytontheatercompany@comcast.net); <http://www.claytontheatrecompany.com> OR <https://www.facebook.com/pages/Clayton-Theatre-Company>

**Clayton Valley Sunrise Rotary** -- non-governmental, non-religious, non-political service organization serving humanitarian goals in the world with time and effort to help others through service in the local communities. The club is involved in many projects around the world but and has projects that are important in the local community as well. Meetings are breakfast every Thursday morning at 7:00 a.m. at the Oakhurst Country Club, 1001 Peacock Drive, Clayton, CA. [www.claytonvalleyrotary.org](http://www.claytonvalleyrotary.org)

#### **School fundraisers and events contact various schools:**

**Mt. Diablo Elementary School Parent Faculty Club (PFC)** Pres. Renee Culp [sugarmo@sbcglobal.net](mailto:sugarmo@sbcglobal.net) or Ernie DeTrinidad [ernietrinidad@sbcglobal.net](mailto:ernietrinidad@sbcglobal.net) or VP. Holly Tillman at [hollytillman@gmail.com](mailto:hollytillman@gmail.com) ph: 672-4544 <http://mtdiabloelementary.mdusd.org/PFC> OR [www.mdusd.k12.ca.us/mountdiabloelementary](http://www.mdusd.k12.ca.us/mountdiabloelementary)

**Diablo View Middle School Parent Faculty Club (PFC)** Kristy Downs email:[fivedowns@sbcglobal.net](mailto:fivedowns@sbcglobal.net) OR; Jennifer Lauricella email: [jlauricella@gmail.com](mailto:jlauricella@gmail.com) <http://diabloview.mdusd.org>

**Clayton Valley Charter Higher School (CVCHS)** – an independent public charter high school conversion of Clayton Valley High for more information regarding the Charter High (925) 682-7474 or [www.claytonvalley.org](http://www.claytonvalley.org) OR <http://sites.google.com/site/claytonvalleycharterhighschool>; registrar Helen Bendoyro at (925) 682-7474 x 3109.

**Parent Faculty Club** – president Deeanne Carlson email: [pfc@claytonvalley.org](mailto:pfc@claytonvalley.org) website: <http://www.cvchspfc.com>

**Governing Board** parent representatives Megan Kommer ph 348-3831 [megan.kommer@claytonvalley.org](mailto:megan.kommer@claytonvalley.org); OR [kommer@sbcglobal.net](mailto:kommer@sbcglobal.net); April Winship [april.winship@claytonvalley.org](mailto:april.winship@claytonvalley.org)



**February 14** – 39<sup>th</sup> Annual **Camellia Tea**, Clayton Historical Society, 6101 Main Street, 1pm to 4pm. Coffee, tea, and treats

A great opportunity to tour the Museum decorated in the season's bloom of camellias. For more information call Mary Spryer 672-7232 or [www.claytonhistory.org](http://www.claytonhistory.org).

**March TBD** – 16<sup>th</sup> Annual **Chili Cook Off** – Clayton Club Saloon, 6096 Main Street, 10am – 4pm; judging noon-1pm. Prizes- awards for top three of 20 entries. Entry forms at Clayton Club. For info [www.claytonclubsaloon.com](http://www.claytonclubsaloon.com); email at [steve@claytonclubsaloon.com](mailto:steve@claytonclubsaloon.com); (925) 998-0549.

**March 12<sup>th</sup>** – **Library 21<sup>st</sup> Birthday Recognition Program** – Annual Library Birthday recognition, Foundation meeting and volunteer recognition Clayton Library Hoyer Hall 10 am to 11 am. For more info contact Joyce Atkinson at 672-3850.

**April 1, 2 and 3** – **Annual Clayton Library Birthday Celebration and Creekside Arts Celebration**  
Friday 6pm-8:30pm; Saturday 10am- 6pm; Sunday Noon-5pm – Clayton Community Library 6125 Clayton Road; for info call Arlene Nielson 673-9777 or email at [akiksen@aol.com](mailto:akiksen@aol.com)

**April 1 through 31** – **April on the Mountain** – various hikes and nature activities within Mt. Diablo State Park and nearby regional park areas. For information call 673-2891 or 972-7222.

**April 8<sup>th</sup> – 10<sup>th</sup> ; 14<sup>th</sup> -17<sup>th</sup> ; 21<sup>st</sup> -23<sup>rd</sup>** - Clayton Theatre Company presents Rumors a classic Broadway comedy stage play by Neil Simon at Endeavor Hall 6008 Center Street, Clayton CA 94517 [www.BrownPaperTickets.com](http://www.BrownPaperTickets.com) For more information or Roxanne Pardi at 698-1886 tickets available [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com)

**April 15, 16, 17** – **Spring Book Sale**. The Semi Annual Library Foundation pre owned Book Sale @ Clayton Library – Hoyer Hall Community Room, 6125 Clayton Rd. Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public--Sat. 10-6; Sun. Noon-4; information call 672-3672 [www.claytonlibrary.org](http://www.claytonlibrary.org)

**April 23 and 24 (tentative)** – **Annual Gardens Tour** 10am – 4pm Rain or Shine various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or [www.claytonhistory.org](http://www.claytonhistory.org)

**April 23** – Spring **Clayton Cleans Up** - Rain or shine, 9 am to Noon. Meet at City Hall Courtyard, 6000 Heritage Trail, for Information - call Pamela at Clayton Pioneer at 672-0500 or email: [pamela@claytonpioneer.com](mailto:pamela@claytonpioneer.com).

**April 27** – **Annual Spaghetti Feed** – 5pm – 8pm at Endeavor Hall, 6008 Center Street, Downtown Clayton, AAUW American Association of University Women for information contact Joan Chesterman at 672-7815 or email: [JChesterman@astound.net](mailto:JChesterman@astound.net)

**April 30** – 21<sup>st</sup> Annual **Devil Mountain Double Century Bicycle Ride**- starts and ends in San Ramon– Pine Hollow Rd, Mt Zion to Clayton Rd, continue as it becomes Marsh Creek Rd, 7:30am- 9:30am for info contact Scott Halversen (510)-882-6727, email: [syh\\_cpa@pacbell.net](mailto:syh_cpa@pacbell.net) or [www.quackcyclists.com](http://www.quackcyclists.com)

**April 30<sup>th</sup> and May 1<sup>st</sup>** -- Annual **Art and Wine Festival** Sat: 10am – 7:00 p.m.; Sun: 10am – 5pm, Main Street downtown Clayton. Art, Crafts, Food, Music, Kiddieland. Information - Call CBCA at 672-2272; or [www.claytoncbca.org](http://www.claytoncbca.org)

**May 7** – **Annual Plant Sale**, Clayton Valley Garden Club, Rain or shine. Endeavor Hall Parking Lot 8 am-1pm. Call Rory Richmond at (925) 864-8687 for information; email: [rrichmond509@comcast.net](mailto:rrichmond509@comcast.net) or [www.claytonvalleygardenclub.org](http://www.claytonvalleygardenclub.org)

**May 7** – Sat Night **Concerts in the Grove** kick off 6pm – 8:30pm – Grove Park Gazebo Downtown Clayton --Main Street– “Band TBA” music style of band goes here . [www.website of band goes here](http://www.websiteofbandgoeshere.com) for more info.

**May TBD possibly 7 or 14** – **Clayton Valley Charter High School – Bands/Music March – A – Thon**. 9am to noon- Downtown, to Library, Easley Drive, Stranahan Circle and Grove Park. For info contact Venus Suasin at [vsuasin@comcast.net](mailto:vsuasin@comcast.net)

**May 7 or 14 through September 27** – **Clayton Farmers Market** Saturday's 8am-Noon – Downtown Clayton on Diablo Street (between Main and Center Streets). For more information contact Pacific Coast Farmers Market at [www.pcfma.com](http://www.pcfma.com) or call 1-800-949-3276 (no market on September 3).

**May 21** – Sat Night **Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - “Band TBA” music style of band goes here . [www.website of band goes here](http://www.websiteofbandgoeshere.com) for more info.

**May 30** – **Annual Memorial Day Program** by the VFW Post 1525, 10am Downtown Clayton Flagpole, Main and Oak Streets. Information call Paul Carroll at 628-9508 or [paulcarroll@sbcglobal.net](mailto:paulcarroll@sbcglobal.net).



**June 4** – Sat Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street the “Band TBA” music style of band goes here . [www.website of band goes here](#) for more info.

**June 6** -- Annual Clayton Business and Community Association 30<sup>th</sup> Annual Golf Tournament, - Oakhurst Golf Course; noon shotgun start, dinner afterwards. Contact CBCA at 672-2272 or [www.claytoncbca.org](#)

**June 8 or 9** – tentative Wed or Thurs. Night Grove Concert – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street - name of band here . [www.website here.com](#)

**June 18** – Sat Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street “Band TBA” music style of band goes here . [www.website of band goes here](#) for more info.

**June 22 or 23** – tentative Wed or Thurs. Night Grove Concert – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street - name of band here . [www.website here.com](#)

**July 2** – Sat. Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton - Main Street “Band TBA” music style of band goes here . [www.website of band goes here](#) for more info.

**July TBD** - Clayton Youth Theatre Camp presents scenes from: “\_\_\_\_\_” at Endeavor Hall 6008 Center Street, show times at 1:00 pm & 3:00 pm. - for more information [www.claytontheatrecompany.com](#) or Roxanne Pardi at 698-1886

**July 4** – Annual Pancake Breakfast & Parade– Downtown Clayton, Pancakes at Endeavor Hall(6008 Center Street) at 7am Clayton Valley Sunrise Rotary, \$5 adults and \$3 kids 12 and under; parade on Main Street 10 am, for info: Sandy Johnson at 693-0463 or main parade application at [www.cityofclayton.org](#) (no parade application needed for kiddie parade – just line up on Oak street near between Main and Center Street that morning)

**July 1 tentative** - Friday Night Family Movies – “movie TBD outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](#)

**July 6 or 7** – tentative Wed or Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “Band TBD” type of music here . [www.band web site here.com](#) for more info.

**July 8** - Friday Night Family Movies – “Movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060 [www.claytoncc.com](#)

**July 16** – Sat Night Concerts in the Grove - 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street – “Band TBD” type of music here . [www.band web site here.com](#) for more info.

**July 15** - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](#)

**July 20 or 21** – tentative Wed or Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “Band TBD” type of music here . [www.band web site here.com](#) for more info.

**July 22** - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](#)

**July 29** - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. [www.claytoncc.com](#)

**July 30** – Sat. Night Concert in the Grove – 6pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “Band TBD”, type of music here. [www.band web site here.com](#) for more info.

**August 13** – Sat Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street – “Band TBD” type of music here . [www.band web site here.com](#) for more info.

**August 3 or 4 tentative**– Wed or Thurs Night Grove Concert — 7:00 pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street Band TBD” type of music here . [www.band web site here.com](#) for more info

**August 20 (tentative)** - Seventh Annual Rib Cook-Off 10 am – 6pm; CBCA Annual Event at Clayton Club patio 6096 Main Street – for more info contact Rory Richmond at [rrichomond509@comcast.net](#) or [www.claytoncbca.org](#)

**August 20 (tentative) – Relay For Life** – American Cancer Society – location to be determined, contact Lindsay.Davis@cancer.org or at (925) 788-0064 or relayforlife.org/California.

**August 27** – Sat. Night **Concerts in the Grove** 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street "Band TBD" type of music here . [www.band web site here.com](http://www.bandweb site here.com) for more info.

**August 17 or 18 tentative** – Wed or Thurs Night **Grove Concert** – 6:30-8:30 pm Grove Park Gazebo Downtown Clayton --Main Street "Band TBD" type of music here . [www.band web site here.com](http://www.band web site here.com) for more info

**September 3** – Eleventh Annual **Soap Box Derby and Classic Car Show** 9 am – 3 pm, Main Street Downtown Clayton. For information call Clayton Community Church (925) 673-9060.

**September 11 (tentative) – 9/11 Remembrance** (15 years) 7pm at Station 11 Firehouse lawn – corner of Center and Clayton Rd. bell ringing memorial commemoration

**September 10 – Concerts in the Grove** – last concert of the summer 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton -- Main Street – "Band TBD" type of music here . [www.band web site here.com](http://www.band web site here.com) for more info.

**September/October Wednesday TBD** — Clayton Valley Charter High School **Homecoming Parade** —4-6pm, Main Street, call Ms. Ljepava, 682-7474 for information.

**Sept 30, Oct. 1 & 2 – Oktoberfest kids Carnival** – Main/Oak St. CC Church offices parking lot & field Friday Sept 30<sup>th</sup> 5pm-10pm

Sat Oct 1, 11am-10pm; Sunday Oct 2, 11 am to 9 pm Information - Call CBCA at 672-2272; or [www.claytonoktoberfest.com](http://www.claytonoktoberfest.com)

**October 1<sup>st</sup> & 2<sup>nd</sup> – Oktoberfest** Sat: 11am - 8pm; Sun: 10 - 6pm; Main Street Downtown Clayton. Art, Crafts, Food and kids Carnival rides. Information - Call CBCA at 672-2272; or [www.claytonoktoberfest.com](http://www.claytonoktoberfest.com)

**Oct. tentative** – Clayton Theatre Company presents You're a Good Man Charlie Brown, a musical comedy based on the characters created by Charles Shultz in his Peanuts comic strip at Endeavor Hall 6008 Center Street, Clayton CA 94517– tickets at [www.BrownPaperTickets.com](http://www.BrownPaperTickets.com) For more information Roxanne Pardi at 698-1886 or [www.claytontheatrecompany.com](http://www.claytontheatrecompany.com).

**October 14, 15, 16 – Fall Book Sale.** Semi Annual Library Foundation pre owned Book Sale @ Clayton Library- Hoyer Hall Community Room, 6125 Clayton Rd. (Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public --Sat. 10-6; Sun. Noon-4) information call 672-3672. [www.claytonlibrary.org](http://www.claytonlibrary.org)

**December 3 -- Annual Caroling and Tree Lighting.** Rain or Shine --Downtown Clayton, Grove Park to Main and Oak Streets,- Carriage Rides 4:30-6:30; Caroling 6pm; Tree Lighting 6:30 pm . Information Call CBCA at 672-2272.

**December TBD** – Annual **Hospice Tree Lighting** @ Concord John Muir Hospital Parking Lot, Almond /East Street 5:30 pm., for info contact at 925-887-5678 or at [www.hospiceeast bay.org](http://www.hospiceeast bay.org)

**December 10 -- Annual Christmas Tea with Mrs. Claus and Santa** 11 am – 2 pm, Endeavor Hall, 6008 Center Street - Call CBCA at 672-2272.

**December 10 (tentative) – Annual Holiday Toy Collection** Clayton Valley Charter High School Lacrosse Team – new toy donations being accepted 10 am to 2pm, at the Grove Park Gazebo, downtown Clayton – for info contact Tracy Morse, CVHS Men's Lacrosse Team Rep, Tel: 925-207-0382; email: [traceymorse@gmail.com](mailto:traceymorse@gmail.com) more info at [www.cvlacrosse.com](http://www.cvlacrosse.com).

**December 11 (tentative) – Annual Holiday Home Tour** Noon - 7pm Various homes in the Clayton Valley area, Information – call Clayton Historical Society at (925) 672-0240 or [www.claytonhistory.org](http://www.claytonhistory.org).

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## **Other events, activities, and local organizations**

### **Clayton Community Gym and Recreation: All year**

Various activities for youth and adults including basketball and volleyball through a management partnership with the All Out Sports League (AOSL). Gym rental available for kids parties and events too. Contact the Clayton Community Gym located at Diablo View Middle School call (925) 203-5626; [www.alloutsportsleague.com](http://www.alloutsportsleague.com)

**Clayton Community Library** various programs and activities: 6125 Clayton Road; [www.claytonlibrary.org](http://www.claytonlibrary.org); or call 673-0659.

**Clayton Museum** various history exhibits 6101 Main Street (Joel Clayton Home)

-- Open Wednesdays and Sundays 2pm to 4pm; and Saturdays June 1 through August 31<sup>st</sup> from 10 am – Noon; or by appointment and during some special downtown community events. 6101 Main Street;

[www.Claytonhistory.org](http://www.Claytonhistory.org) or phone 672- 0240 for more information.

### **Little League Season**

March 14 through July 24: contact Clayton Valley Little League [www.CVLL.org](http://www.CVLL.org) or Kevin Dern (415) 760-1198 or email: [kdcvll@gmail.com](mailto:kdcvll@gmail.com)

### **Soccer Season**

Youth: August 1- Nov. 20:contact Mt. Diablo Soccer League, Tom Semple: email [fieldscoordinator@MDSoccer.org](mailto:fieldscoordinator@MDSoccer.org)

Adult: July – Sept.: contact Clayton Soccer Club, Rob Sears at 925-451-1110

**Oakhurst Country Club** (private membership golf, tennis, swim, swim team and gym club) [www.oakhurstcc.com](http://www.oakhurstcc.com)

Or call 672-9797 x205; x210; x217

**Oakhurst Business Networking Mixer** – First Thursday of every Month. Open to the Public, free. Oakhurst Country Club, 1001 Peacock Creek Dr. (925) 519-8753; <http://oakhurstcc.eventbrite.com/>

**Dana Hills Cabana Swim Club** (memberships to the public available) contact Shauna Maffei 925-381-2021; [shaunamaffei@gmail.com](mailto:shaunamaffei@gmail.com) or [www.danahillsotters.com](http://www.danahillsotters.com)

**Dana Hills Swim Team (Otters)** contact: Cathy Meyers 683-2125 or [cathy@diabloValley.net](mailto:cathy@diabloValley.net); or

Lauren Velez 768-6685 [velezfamily@comcast.net](mailto:velezfamily@comcast.net) (pentathlon meet is mid July at Dana Hills) [www.danahillsotters.com](http://www.danahillsotters.com)

**Clayton Community Emergency Response Team (CERT)** - The Community Emergency Response Team (CERT) provides opportunities for residents a, businesses and those that work in the community training to be prepared and have a formal structure in the event of an emergency. Training on home and neighborhood safety and response in various emergency and disaster is provided as well as training on hands only CPR. [www.claytoncert.org](http://www.claytoncert.org) for more information.

**Mt. Diablo Trail Ride Association-** is a local non-profit organization dedicated to horsemanship, with 200 acres next to Mt Diablo off Russelman Road just at Clayton's easterly boarder. The MDTR Association has equestrian facilities, club house with pool, and monthly social potlucks, complete equestrian facilities, a club house with pool, horse boarding, horse camping, rentals, a cross country jump course, clinics, events and very affordable membership fees. For more info [www.cmdtra.org](http://www.cmdtra.org)

**Clayton Business and Community Association (CBCA)** a non-sectarian, non-partisan and non-profit community organization. working together to improve the general welfare, prosperity and common good of the entire Clayton community. Members are local professionals, businesses and individuals The CBCA provides the vehicle for social networking and camaraderie through fund raising activities, meetings and social gatherings, and for working as a group for our community. The CBCA annually presents four major Clayton events, the Art and Wine Festival, Golf Tournament, Rib Cook –Off, and the Oktoberfest, along with the annual downtown Holiday decorations, Tree lighting with Santa, and Mrs. Claus Tea. Funds raised by the CBCA go back to projects in the community and local schools. [www.claytoncbca.org](http://www.claytoncbca.org)

**Clayton American Association of University Women (AAUW)** The AAUW promotes equity for women and girls, lifelong education, and positive societal change. The Clayton Branch is highly active in community programs. One notable program is the Clayton Library which was begun by the branch and supported by the members. [www.claytonaauw.org](http://www.claytonaauw.org)



**Clayton Valley Woman's Club** - CVWC members are community-minded women of all ages, from the Clayton/Concord area and beyond, who have joined together to provide community service through volunteering and fundraising. We are dedicated to meeting the needs and interests of all members as we meet the needs in our community.  
[www.claytonvalleywomensclub.org](http://www.claytonvalleywomensclub.org)

**Clayton Valley Garden Club** – formed to bring together people in that area with an interest in gardening including community projects such planter boxes on Main Street and near the Clayton Library and the daffodils at the town center entry at old Marsh Creek Rd and Clayton Road. [www.claytonvalleygardenclub.org](http://www.claytonvalleygardenclub.org)

**Clayton Historical Society** – membership open to all that have an interest in wanting to learn more and help preserve the local history of the community. It works to research, collect, record, preserve, display, borrow, share, and interpret local history information and memorabilia, and to promote understanding of Clayton origins and development. Its volunteers operate and maintain the Clayton Historical Museum for visitors and hosts student classes and special tours. It locates, records, inventories, publicizes and marks historic sites, buildings and natural features making recommendations. The Society has developed a "twinning" bond with Joel Clayton's birth town, Bugsworth, England, and the town he founded.  
[www.claytonhistory.org](http://www.claytonhistory.org)

**Diablo Vista Soroptimist** – a service organization that focuses on ways to improve the lives of women and girls in our local community and throughout the world. [www.sidiablovista.org](http://www.sidiablovista.org)

**Clayton Theater Group** – started in 2012– to entertain, educate and elevate the community and surrounding areas with live theater. CTG is a nonprofit theatre company providing performing arts to the local and surrounding community. Spring and fall productions with actors 16 or older are provided and a summer youth theater camp for ages 6-16. Rehearsals and shows at Endeavor Hall – For information contact Roxanne Pardi at 222-9106 or email [claytontheatercompany@comcast.net](mailto:claytontheatercompany@comcast.net); <http://www.claytontheatrecompany.com> OR <https://www.facebook.com/pages/Clayton-Theatre-Company>

**Clayton Valley Sunrise Rotary** – non-governmental, non-religious, non-political service organization serving humanitarian goals in the world with time and effort to help others through service in the local communities. The club is involved in many projects around the world but has projects that are important in the local community as well. Meetings are breakfast every Thursday morning at 7:00 a.m. at the Oakhurst Country Club, 1001 Peacock Drive, Clayton, CA. [www.claytonvalleyrotary.org](http://www.claytonvalleyrotary.org)

**School fundraisers and events contact various schools:**

**Mt. Diablo Elementary School Parent Faculty Club (PFC)** Pres. Renee Culp [sugarmo@sbcglobal.net](mailto:sugarmo@sbcglobal.net) or Ernie DeTrinidad [ernietrinidad@sbcglobal.net](mailto:ernietrinidad@sbcglobal.net) or VP. Holly Tillman at [hollytillman@gmail.com](mailto:hollytillman@gmail.com)  
<http://mtdiabloelementary.mdusd.org/PFC> OR [www.mdusd.k12.ca.us/mountdiabloelementary](http://www.mdusd.k12.ca.us/mountdiabloelementary)

**Diablo View Middle School Parent Faculty Club (PFC)** Kristy Downs email:[fivedowns@sbcglobal.net](mailto:fivedowns@sbcglobal.net) OR; Jennifer Lauricella email: [jlauricella@gmail.com](mailto:jlauricella@gmail.com) <http://diabloview.mdusd.org>

**Clayton Valley Charter High School (CVCHS)** – an independent public charter high school conversion of Clayton Valley High for more information regarding the Charter High (925) 682-7474 or [www.claytonvalley.org](http://www.claytonvalley.org) OR <http://sites.google.com/site/claytonvalleycharterhighschool/>; registrar Helen Bendoyro at (925) 682-7474 x 3109.  
**Parent Faculty Club** – president Deeanne Carlson email: [pfc@claytonvalley.org](mailto:pfc@claytonvalley.org) website: <http://www.cvchspfc.com>

**Governing Board** parent representatives Megan Kommer ph 348-3831 [megan.kommer@claytonvalley.org](mailto:megan.kommer@claytonvalley.org); OR [kommer@sbcglobal.net](mailto:kommer@sbcglobal.net); April Winship [april.winship@claytonvalley.org](mailto:april.winship@claytonvalley.org)





# CITY OF CLAYTON

Founded 1857... Incorporated 1964

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ENGINEERING (925) 363-7433

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City Council  
HANK STRATFORD, MAYOR  
DAVID T. SHUEY, VICE MAYOR  
JIM DIAZ  
HOWARD GELLER  
JULIE K. PIERCE

September 4, 2014

Via fax (916) 558-3177

The Honorable Edmund "Jerry" Brown  
Governor, State of California  
State Capitol Building, Suite 1173  
Sacramento, CA 95814

**Re: Request for Signature: SB 270 (Padilla, de León, and Lara) Single-Use Grocery Bags Bill**

Dear Honorable Governor Brown,

The City Council of Clayton **strongly supports Senate Bill 270**, which will reduce bag pollution and waste by restricting single-use plastic grocery bags and placing a ten cent minimum charge on paper and reusable bags. We respectfully urge you to sign the bill into law.

As a small populated city (11,000+) in Contra Costa County with limited governmental revenues, our City Council has long desired to ban within our community the single-use plastic grocery bags. Unfortunately, we cannot endure the plastic industry's opposition to this objective, threats of litigation, nor suffer the expense of preparing our own environmental study to enact the local ban. SB 270 offers a universal statewide approach to this desired ban, one which will aid in keeping our community's streams, creeks and sensitive habitats free of clogging plastic bags.

Plastic bags are a costly, environmentally damaging, and easily preventable source of litter and pollution. Light and aerodynamic, plastic bags are uniquely litter-prone even when properly disposed of, and pose a serious threat to the riparian and marine environment and wildlife. When no longer visible to the naked eye, plastic bags have degraded into tiny particles that absorb toxins and contaminate our food chain and water and soil quality.

There is no free bag. Single use plastic bags are costly to both consumers and taxpayers. The more than 13 billion single use plastic bags distributed by California grocers cost over \$200 million annually. The costs of these one-time use products are passed on to consumers in the form of higher grocery prices.

Californian taxpayers pay a second time. In 2013, California communities reported to NRDC that they are spending \$428 million every year to prevent and clean up litter that pollutes our waterways. Based on litter studies, plastic bags represent as much as 10%-25% of litter; plastic bag pollution prevention may represent up to \$43-107 million in local government costs. And waste management facilities are losing as much as \$1 million each year to deal with plastic bags in their machinery, as reported by the City of San Jose in 2010.

Numerous cities and towns in our Bay Area have already adopted local bans on plastic bags and would be grandfathered into this bill. Our City wishes it could join them – SB 270 provides us that uniform opportunity. The results from these existing policies demonstrate both environmental and economic success, and public support. The City of Clayton supports extending this solution statewide.

The economic and environmental costs of single-use plastic bags simply outweigh any short-term benefit. Phasing out single use plastic bags will reduce plastic pollution and the costs associated with it.

Please sign SB 270 into California law and once again provide national leadership on this issue.

Sincerely,



Hank Stratford  
Mayor

cc:

Gareth Elliot, Legislative Secretary, Office of the Governor, [Gareth.Elliott@GOV.CA.GOV](mailto:Gareth.Elliott@GOV.CA.GOV)  
Graciela Castillo-Krings, Deputy Legislative Secretary, Office of the Governor, [Graciela.Castillo-Krings@GOV.CA.GOV](mailto:Graciela.Castillo-Krings@GOV.CA.GOV)  
Caroll Mortensen, Director of CalRecycle, [Caroll.Mortensen@calrecycle.ca.gov](mailto:Caroll.Mortensen@calrecycle.ca.gov)  
Californians Against Waste, [suevang@cawrecycles.org](mailto:suevang@cawrecycles.org)  
Honorable Clayton City Council Members

## Around Town

Clayton was aglow with more than 170 volunteers wearing neon orange shirts, picking up trash and gardening on April 23 for Clayton Cleans Up in celebration of Earth Day and preparation for the annual Art and Wine Festival.

Families, neighborhoods, clubs and dignitaries donned the volunteer shirt cleverly designed with a theme of community spirit and nature by local artist Sharon Petersen. They scoured the city, filling dozens of large garbage bags with litter and debris before returning to the courtyard at

Clayton City Hall for a that-hits-the-spot barbecue of hamburgers and hot dogs.



The Clayton Valley Garden Club, Mount Diablo Interpretive Association, Clayton Library, Trails and Landscape Committee, Contra Costa Water District and Claycord 4-H were present to share ideas with volunteers about protecting Mother Earth and exploring this area.

Clayton Cleans Up is sponsored by the Clayton Pioneer and the city of Clayton, with donations from Republic Services, the Clayton Business and Community Association, Travis Credit Union, Peer's Coffee, Lynne French and Associates and Innovative Impressions and the assistance of local Boy Scout Troops 262 and 444.









## Creekside Arts 2016!

"Honoring Our Ancestors" coming up on April 1 (6:00-8:30pm), 2nd (10-6), & 3rd (12-5) to raise funds for the Library.

### Schedule of Events:

Area Nature group booths and information, environmental information, paintings and art exhibits and for sale art and crafts, interactive art- making art projects from nature, music and presentations on areas family and natural history.

Fri. 4/1 (6-8:30pm Opening Reception)

6:30-7:00 Snowfire Ranch dog & pony and "live" painting by Julie VanWyk

7:00-7:20 "The Clayton Family...prominence in the East Bay" by Dick Ellis, Clayton Historical Society

7:30-8:00 Professional Jury Award Winners, juried by Bedford Gallery, Art Concepts, Arts & Culture Commission

Sat. 4/2 (10-6 Ongoing art/craft sales, storytelling, eco groups, demo's, workshops and presentations)

10-12 Plein Air painting workshop by Samantha McNally

11-12 African Fable Storytelling by Wendy Blakely

12-3 "Shades of Grey" charcoal drawing workshop by Seema Mahboob

2-3 "Cultural & Natural History of Diablo Valley", by Jim "Doc" Hale, Joel Greger, mini museum and interpretive nature walk to follow

3-3:30 "Discover Your Family History", by The Concord Family History Learning Center

4-6 Meet the Artist, Author, Environmentalist

Sun. 4/3 (12-5 Ongoing art/craft sales, eco groups, demo's music and dance)

12:00 Music & Poetry Open Mic

1:30 Ukulele jam and hula with audience participation by Robert and Ehu Alidon

2:30 Diablo Taiko drumming with audience participation

4:00 People's Choice Award winners, come select your favorite!

## It pays to replace that thirsty lawn

**N**ow that spring weather has arrived we will all start spending more time outside. If that means mowing, fertilizing and spraying those weeds coming up in your front lawn, then the Contra Costa Water District has an alternative. The District has a rebate program that will pay you to replace that water thirsty lawn with a water-efficient garden.

Converting a 30 x 30 foot lawn can save more than 25,000 gallons per year. But the rewards go far beyond the water savings. "What people find out is that they love the new look of their yard," says CCWD's Bob Eagle. "They find they have replaced their green with a beautiful, eye catching front yard full of color."

Remove the front laws, and you remove that pesky weekly commitment to water, mow and fertilize. "Now, you don't

have to spend time trying to figure out how to kill the crab grass," Eagle says. "Now you have more time to do what you want."

Single-family residential customers can receive a rebate of up to \$500.

Commercial and municipal customers can receive a rebate up to \$5,000 when they replace their front lawns and other publicly visible lawns with water-efficient landscaping.

The rebate program will last only for a limited time. The program is not retroactive, and properties must be pre-approved by CCWD before any work is started in order to be eligible for the rebate.

*Complete program details can be obtained by visiting [www.ccwater.com/conserv](http://www.ccwater.com/conserv), or by calling (925) 688-8320 for a program brochure.*

# \$500 REBATES

## LOSE THE LAWN, GET A GARDEN

**CCWD is offering rebates to encourage customers to replace their front lawns with Water-Efficient Landscaping**

Up To \$500 for  
Residential  
Homes



Up to \$5,000 for  
Commercial  
Properties



CONTRA COSTA  
WATER DISTRICT

**Funding is  
limited, so  
call today!**

For program information:

**[www.ccwater.com/conserv](http://www.ccwater.com/conserv) or call (925) 688-8320**



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**\$50 off** any service of \$300 or more

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# City of Clayton Emergency & Environmental Management Phone Numbers

## Local/County/Regional Governmental Contacts

### **City of Clayton**

**Stormwater Contact:** Laura Hoffmeister  
6000 Heritage Trail, Clayton, CA 94517  
staff office: (925) 673-7300; direct/vm: 673-7308; or  
cell: (925) 250-8532 LHoffmeister@ci.clayton.ca.us  
After Hours: contact Clayton Police Dispatch  
ask for an officer on Duty (925) 673-7350

**Maintenance Dept.:** City of Clayton, 6000  
Heritage Trail, Clayton CA 94517: (925)  
673-7300

After Hours: contact Clayton Police Dispatch  
ask for an officer on Duty (925) 673-7350

**Local Police Department:** Clayton Police  
Department (925) 673-7350

**Local Fire District:** Contra Costa Fire Protection  
District, 2010 Geary Road, Pleasant Hill, CA 94523;  
Administration Office/Non-emergency: (925) 930-5500;  
Communications Center (925) 930-5551  
Emergency: 911 or 933-1313

**Contra Costa HazMat 24 Hour Emergency:**  
(925) 646-1112

**Wastewater Agency: City Sanitary Sewer Lines** – (City  
of Concord contract maintenance of City of Clayton sewer lines)  
City of Concord Public Works, 1455 Gasoline Alley,  
Concord, CA 94519: (925) 671-6448; After Hours  
contact Concord Police Dispatch at 671-3333

**Wastewater Agency: Treatment Plant** – Central  
Contra Costa Sanitary District, 5019 Imhoff Place,  
Martinez: (925) 933-0955

**Contra Costa Water District 24 Hour Emergency:**  
(925) 688-8095  
Marie Valmores - Env. Compliance Manager  
direct: (925)-688-8023

**HazWaste Facility:** Central Contra Costa Household  
Hazardous Waste Collection Facility, operated by  
Central Contra Costa Sanitary District, 4797 Imhoff  
Place, Martinez, CA 94553: Toll Free 1-800-646-1431

**East Bay Regional Park District** – Fire District 24 Hour  
Line: (510) 881-1121

**San Francisco Bay Regional Water Quality Control  
Board:** (510) 622-2300

Central Valley Regional Water Quality Control Board:  
(916) 464-4730

## Adjacent Jurisdiction Contacts:

**Concord Contact:** Robert Ovadia, 1455 Gasoline Alley,  
Concord, CA 94519: (925) 671-3470  
Robert.Ovadia@cityofconcord.org  
Frank Kennedy (925) 451-4294/(925) 932-7857  
**Concord Public Works:** (925) 671-3448  
**Concord Police Dispatch:** (925) 671-3333

**Unincorporated County:** Cece Selgren (925) 313-2296  
After Hours—call HazMat or 911

**Contra Costa Sheriff's Communications Center:**  
(925) 646-2441

**CCC Environmental Health Services:**  
(925) 646-5225, 7:30 a.m. – 5 p.m. weekdays

## State & Federal Agencies

Cal. Highway Patrol: (925) 646-4980

Office of Emergency Services Spill Line:  
(800) 852-7550

Dept. Fish & Game – 24 Hour Dispatch during incident:  
(831) 649-2801

CAL EPA – Dept. of Toxic Substances Control  
(Region 2): (510) 540-3856

CAL Occupational Safety and Health  
Administration: (925) 602-6517

US Coast Guard – Marine Safety Office:  
(510) 437-3073

Bay Area Air Quality Management District:  
(415) 771-6000; or 1-800-334-6367

## Miscellaneous Contractors:

Roto Rooter : (925) 798-2122; or (925) 939-3100

Aquatic Habitat: (925) 957-1903

Engineering Remediation Resources Group Inc: (925)  
969-0750

Terra Vac: (510) 351-8900

3-D Cleaning Services: (925) 671-7808

Diablo Steam Way: (925) 827-5757

Block Environmental Services: (925) 682-7200

Clean Bay: (925) 685-2800





## Storm Water

### STORM WATER INFORMATION

On November 16, 2004, the City Council of the City of Clayton adopted Ordinance No. 379, which added Chapter 13.12, entitled Storm Water Management and Discharge Control to Title 13 of the Clayton Municipal Code.

The intent of this Chapter is to protect and enhance the water quality in the City of Clayton's watercourses pursuant to, and consistent with the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.) and the Federal Clean Water Act (33 U.S.C. section 1251 et seq.).

It is the purpose of the City Council in enacting this chapter to protect the health, safety and general welfare of Clayton's citizens by:

1. Minimizing non-stormwater discharges, whose pollutants would otherwise degrade the water quality of local streams, to the stormwater system.
2. Minimizing increases in non-point source pollution caused by stormwater runoff from development that would otherwise degrade local water quality.
3. Controlling the discharge to the City's stormwater system from spills, dumping or disposal of materials other than stormwater.
4. Reducing stormwater run-off rates and volumes and nonpoint source pollution whenever possible, through stormwater management controls and ensuring that these management controls are properly maintained and pose no threat to public safety.

To review the complete ordinance click [here](#).

Fact Sheets, the draft Stormwater C.3 guidebook, and other C.3 materials can be downloaded from the [Clean Water](#) web site.

#### **TO REPORT ILLEGAL DUMPING OR A SPILL:**

Call 1-800-NO DUMPING (1-800-663-8674).

If you are aware of an emergency and need an immediate response, call 911

Information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives, can be obtained by clicking on the following links:

- Point of Contact: <http://www.ccleanwater.org/contact/>
- Stormwater Issues: <http://www.ccleanwater.org/stormwater-issues-101/>
- Watershed Characteristics: <http://www.ccleanwater.org/watersheds/watershed-maps/>
- Stormwater Pollution Prevention Alternatives: <http://www.ccleanwater.org/watershed/watershed-landscapes/>



Home

Welcome to the City of Clayton. Our city has a deep appreciation for the community's history.

In 2014, Clayton celebrated its 50th Anniversary. Many of the time-honored characteristics that have made Clayton a special place remain.

Nestled at the bucolic base of picturesque mountains, Clayton is a beautiful community in the San Francisco Bay Area with all the amenities, services and recreation offered by that choice location.

Clayton is a safe residential community of around 11,288 people. It is a town which values civic partnership with business leaders, community leaders, and our neighbors. Claytonians turn out in high numbers to celebrate the annual family-friendly festivities such as the Art and Wine Festival, our homespun 4th of July Parade, the annual Rib Cook-off, the Oktoberfest celebration, and our ever popular Concerts in The Grove summer series on select Saturdays and Thursdays in the beautiful Downtown Park. Canines and their owners even enjoy the outdoor air at our off-leash Clayton Dog park on east Marsh Creek Road.

In Clayton, everyone is family. And families are most important. Clayton is simply a great place to live, work and play for people who cherish small-town living and traditional American values.

Outdoor bocce courts in the Clayton Town Center will find friends and families vying for social interaction and first place.

- Administration
- Community Development
- Finance
- Maintenance
- Police Department
- Public Works & Engineering
- Recreation

Search Site

Community Events

October 2016

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					


More Events

Community News

- Nominees For Public Office
- Public Review- Verna Way Residential Subdivision Project
- Enterprise Systems Used by the City
- Silver Oak Estates
- Placarding Food Facilities



reenDisk [Company] recycle floppy disk - dispo...



Home About Clayton Government Departments Parks & Facilities Services Online Forms FAQs Feedback

Home > Departments > Maintenance > Report a Problem

### Report a Problem

Please enter the day and/or time that the issue occurred.

Date you noticed the problem (Required)  
MM/DD/YYYY

Time you noticed the problem (Required)  
HH:MM

If you would like a response back, please provide contact information.

Your Name  
\_\_\_\_\_


Your Phone  
\_\_\_\_\_

Your Email  
\_\_\_\_\_

Please identify the problem you found:

- Accessibility Issues
- Bad or Unusual Odors
- Barking Dog
- Construction During Unauthorized Hours
- Dangerous Tree or Limb on/or over Street
- Debris on Public Right of Way
- Faded Curb Paint
- Fire Hazard
- Grotes
- Health Hazard
- Illegal Building or Construction
- Illegal Dumping on City Property
- Illegal Grading or Hauling
- Illegal Posting of Signs
- Irrigation/Sprinklers/Mudslides
- Noise Problem
- Parks and Recreation Issues
- Pothole
- Overgrown Weeds or Trash
- Faded Street Markings/Landmarks
- Sidewalk, Curb or Gutter Problems
- Street Sign Replacement/Repair
- Street Light Out
- Traffic and Speeding Complaints
- Traffic Control Engineering
- Street Tree Maintenance
- Unregistered Businesses
- Vision Obscured Hazard
- Zoning Violation
- Other

Problem Location:  
\_\_\_\_\_



Home About Clayton Government Departments Parks & Facilities Services Online Forms FAQs Feedback

Home - Feedback

### Feedback

Your Name (required)

Your Email (required)

Subject

Your Message:

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**C.7.b. Outreach Campaigns**

- i. Task Description** – Permittees shall continue to participate in or contribute to outreach campaigns, with the goal of significantly increasing overall awareness of stormwater runoff pollution prevention messages and behavior changes in target audiences.
  
- ii. Implementation Level**
  - (1) Target a broad audience with a minimum of one outreach campaign with specific stormwater runoff pollution prevention messages. The outreach campaign(s) should utilize various electronic and print media, and paid and free media to best reach the different target audiences. The outreach campaign(s) may be coordinated regionally or county-wide.
  
  - (2) Permittees shall conduct a post-campaign effectiveness assessment/evaluation to identify and quantify the audiences' knowledge, trends, and attitudes and/or practices; and to measure the overall population's awareness of the messages and behavior changes achieved by the outreach campaigns. Effectiveness assessment/evaluation may be done regionally or county-wide.
  
- iii. Reporting** – In the Annual Report following the post-campaign effectiveness assessment/evaluation, each Permittee (or the Countywide Program, if the effectiveness assessment/evaluation was done county-wide or the regional program, if the effectiveness assessment/evaluation was done regionally) shall provide a report of the effectiveness assessment/evaluation completed, which, at minimum, shall include the following:
  - (1) A description of the outreach campaign.
  
  - (2) A summary of how the effectiveness assessment/evaluation was implemented.
  
  - (3) An analysis of the effectiveness assessment/evaluation results.
  
  - (4) A discussion of the measurable changes in awareness and behavior achieved.
  
  - (5) A discussion of the planned or future outreach campaigns to influence awareness and behavior changes regarding stormwater runoff pollution prevention messages.

# Attachments

## City of Clayton

### for Section C-9

## **City of Clayton - IPM Administrative Policy**

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It is the purpose and intent of this IPM Policy to ensure that the City of Clayton departments and all those who apply pesticides to property owned and/or managed by the City of Clayton utilize integrated pest management (IPM) practices and reduce pesticide applications on public-owned and/or City of Clayton managed property to the maximum extent feasible and as required by State and Regional Stormwater regulation.

The City of Clayton, in carrying out its pest management operations, shall focus on long term prevention or suppression of pest problems with minimum impact on human health, non-target organisms, and the environment.

The goal of the City of Clayton is to reduce its use of pesticide use and use to maximum extent possible non-toxic methods to control pests on City of Clayton property. The City of Clayton recognizes that pesticides are potentially hazardous to human health and the environment, and non-pesticide alternatives will be considered over toxic pesticides on City of Clayton property. The first level consideration will be the least toxic method that is both effective and feasible. The City of Clayton has a IPM Standard Operating Procedures and Practices that will outline all the IPM activities that will be implemented to ensure that less toxic methods, that are effective and feasible, are used to control pests on City of Clayton property.

These documents may be updated as needed from time to time.

## **City of Clayton Standard Operating Procedures & Practices Administrative Policy for Pesticide Use**

The following are standard operating procedures for **the City of Clayton** for pesticide use in the IPM operational practices within the City's jurisdiction. These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control. The City of Clayton and the Contra Costa Clean Water Program work in conjunction to track and participation in regulatory processes, interface with the County Agricultural Commissioner, and conduct public outreach. For guidelines regarding the City of Clayton IPM program please refer to Attachment B, the City of Clayton's IPM Policy. The staff person or IPM Coordinator responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is Mark Janney, Maintenance Supervisor and their number is **(925) 673-7327**; or email at [mjanney@ci.clayton.ca.us](mailto:mjanney@ci.clayton.ca.us).

### **IPM Standard Operating Procedures**

#### **General**

The City uses very limited pesticides, it is currently limited to use at city buildings for ants and similar pests. The City Contracts with Western Exterminator for building pest management. Periodically the City Contracts with a Contra Costa County Department of Agriculture approved IPM contractor for management of ground squirrels in certain areas when damage is occurring. The City also contracts with Environtech for management of non native invasive plant species of Star Thistle and Artichoke Heart in the Oakhurst Open Space. This is a limited area of apx. 125 acres. The EIR mitigation measures required management of this plant. The contractor is trained in IPM. Herbicide applications are targeted to these two plant species. The City maintenance mostly involves limited use of herbicides – specifically spot spraying of weeds in landscape areas, and pre-emergent in the fall and spring to minimize weed growth in certain landscape areas. The maintenance staff also applies slow release fertilizer periodically on active use lawn areas such as the park or sports play fields. All application are done according to the manufactures application specifications.

#### **Pesticide Use**

Pesticide use within the City of Clayton is determined by an assessment of each pest situation. Each assessment includes identification of the pest causing the damage (e.g., weed, Insect, rodent, etc.), evaluation of prevention, exclusion and sanitation measures that will contribute to



successful pest management, evaluation of both non-chemical and chemical options for eliminating or reducing pest numbers, and then developing an integrated management plan using as many management options as practical and economical. Pesticides are generally used as a last resort and are chosen and applied in a manner that is least harmful to people and the environment. The pest problem should then be monitored to evaluate the success of the management strategy.

Particular scrutiny will be used to evaluate the necessity of using the pesticides of concern listed in the Permit under Section C.9: organophosphorous pesticides (chlorpyrifos, diazinon and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin).

Environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process of review prior to considering their use. Each pesticide used are carefully monitored and recorded using a pesticide management database (see Attachment C).

### **Pesticide Applicators**

All pesticide applicators and IPM providers have IPM training and certification as required by the MRP. All IPM contractors have IPM language in their contracts as required by the MRP. All IPM providers are required to follow these standard operating procedures.

### **IPM Training**

All pesticide applicators will be trained annually in IPM. IPM training may include local, countywide, that included with PAPA licensing or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

### **IPM Outreach**

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP.

## **Reporting**

A copy of the City of Clayton's IPM policy shall be included in the annual report. To the extent practicable and data is available, trends in quantities and types of pesticides used shall also be reported, as well as reasons for any increases. The annual report shall also include the percentage of City of Clayton employees who apply pesticides that have been trained in IPM. For any city hired contractor who applies pesticides, a copy of their contract specification; or certification; or other similar acceptable documentation shall also be included in the annual report. For regional regulatory, interface or outreach efforts, the City of Clayton may reference those regional reports.

## **CITY MAINTENANCE STAFF ACTIVITY**

### **Information for storm water report Year 14-15**

#### **Herbicide common name, usage, and active ingredient**

Trade Name: RANGER

Usage in 14/15: 5.3 gallons

Active ingredient: Glyphosate N (phosphonmethyl) glycine in form of isopropylamin salt

**Fertilizers Usage:** 2000 pounds of fertilizer used on Park lawns - it was a slow release.

#### **Material Removed in annual fall inspection**

**Landslide Debris bench:** 55 cubic yards remove of silt

**Creeks:** 60 yards removed – mostly wood, brush, trash; including paper, plastic, bottles, and cans. Plus 30 yard vegetation and debris remove from in front of Creek Culverts

**Catch Basin:** 3.5 yards removed – mostly dirt with trash including paper, plastic, bottles, and cans. Roto Rotor removed 3 yards from 4 catch basins with vacuum truck cost \$3441.00

**V Ditches:** 14 yards removed – mostly dirt small amount of trash

**Drain to the Bay Signs:** 30 replaced with 40 new signs reported with some damage to be done in 15-16

**Training:** 3 Full time in pesticide application with IPM training at PAPA seminars 7/29/14 and 11/6/14 plus 1 attended Contra Costa Clean Water IPM guidance 6/16/15 Train total of 7 seasonal workers in pesticide application one or more was trained on theses dates 2/2/15, 5/6/15 and 6/17/15

**Trash from City Parks and Roadways:** 1,852 cubic yards Recycling 1,170 cubic yards

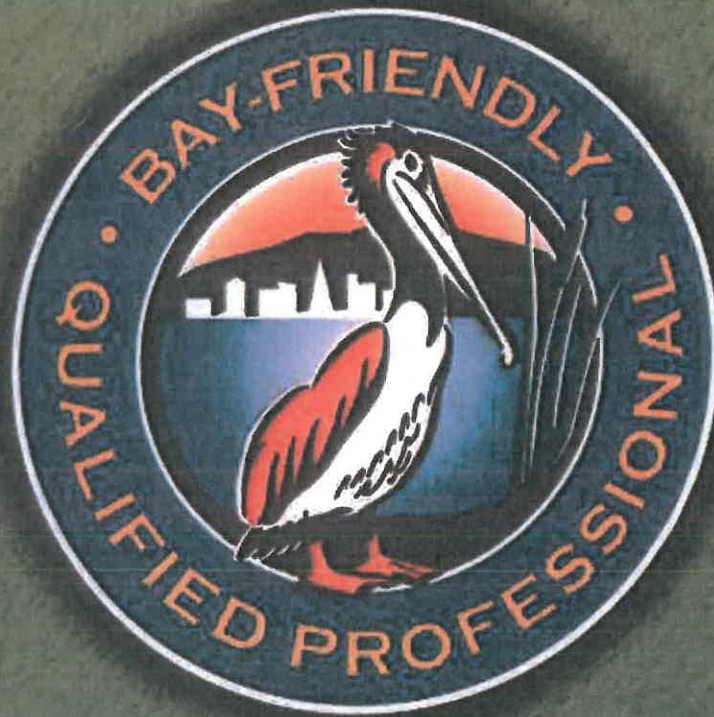
**Inspection of Corp Yard:** Inspected 6-22-15 Check and clean catch basin, removed debris from yard i.e. paint, signs, old light bulbs, and general house cleaning.

**Hot Spot:** Inspected and cleaned June 2015

**Trash Capture Equip Catch Basins:** 25 total catch basins inspected, cleaned and information put into Trash Tracker – July – Sep. 2014; and July 2015

# City of Clayton

2012



2014

**BAY-FRIENDLY MAINTENANCE  
PROFESSIONALS ON STAFF**



**John Johnston  
City of Clayton**

**2012**



**2014**

**BAY-FRIENDLY LANDSCAPE  
MAINTENANCE PROFESSIONAL**

## Laura Hoffmeister

---

**From:** John Johnston <jjohnston@ci.clayton.ca.us>  
**Sent:** Monday, September 14, 2015 11:35 AM  
**To:** lhoffmeister@ci.clayton.ca.us  
**Subject:** RE: your Bay Friend Recertification needed

It has been renewed, but they did not send me any certificate. It is listed as renewed on their website. FYI...The training that I went to made it very clear, as Bay Friendly came up in discussion, that the Bay Friendly Certificate was not a requirement as there is no recognized landscape training or certificate programs for storm water or IPM. I was one of only two people that had the certificate so the other cities brought up the discussion. NPDES No. CAS612008, Municipal Storm Water Permit, C.9.b Train Municipal Employees, references Bay Friendly as just another training opportunity. In our discussion on that document it was made clear that the Bay Friendly was not a requirement only a suggested training opportunity. They also stated that the Department of Pesticide Regulations Qualified Applicators Certificate and the Qualified Advisors License were more than sufficient for suggested training. Additionally they stated that when they do come up with certificates or training for landscapers as they relate to storm water or IPM, that the DPR training will be considered as it is regulated more efficiently. It is partially because of the discussion at the IPM training, that I took the test for the DPR's QAC so that I can receive better information on additional training that is monitored more efficiently. Bay Friendly has a long way to go to be truly recognized by the industry.

---

**From:** Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]  
**Sent:** Saturday, September 12, 2015 3:50 PM  
**To:** jjohnston@ci.clayton.ca.us  
**Subject:** FW: your Bay Friend Recertification needed

John

Have not heard back from you

please advise as to current status, if expired when will you be retaking the course? I need to let the water board know if expired why and what doing about it and by when

Laura

---

**From:** Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]  
**Sent:** Tuesday, September 08, 2015 1:08 PM  
**To:** 'jjohnston@ci.clayton.ca.us'  
**Subject:** RE: your Bay Friend Recertification needed

John:

Do you have the updated certification if so need to have to submit to state with the NPDES annual report

Laura

---

**From:** John Johnston [<mailto:jjohnston@ci.clayton.ca.us>]  
**Sent:** Friday, February 06, 2015 10:00 AM  
**To:** lhoffmeister@ci.clayton.ca.us  
**Subject:** RE: your Bay Friend Recertification needed

I already paid for the recertification and they gave me until February 28<sup>th</sup> to get my 4 hours to complete the recertification process. Now I just need to find a course to go to...

---

**From:** Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]  
**Sent:** Wednesday, February 04, 2015 6:01 PM  
**To:** 'John '  
**Cc:** [mjanney@ci.clayton.ca.us](mailto:mjanney@ci.clayton.ca.us)  
**Subject:** your Bay Friend Recertification needed  
**Importance:** High

John:

There was not enough interest by others to do a group recertification training process – as many other cities have already just done their recertification or it will not come up for another year so each city and contractor the city uses needs to do it themselves. John S the weed abatement contractor already got his recertification.

You need to obtain yours ASAP as I understand it is already expired (2014) see link below as to how to go about recertification

I think we need to have the certification valid from 2015-2017 so no lapse

might want to have mark do so that both trained and have mark do in an off year from yours so that there is always one certified person... but I leave that to you and mark to think about etc

---

**From:** Beth Baldwin [<mailto:bbald@pw.cccounty.us>]  
**Sent:** Tuesday, January 27, 2015 4:56 PM  
**To:** Laura Hoffmeister  
**Subject:** Bay Friend Recertification

Dear Laura:

Here is the link for recertification. I think it seems straightforward but if you or your maintenance supervisor have any questions, please don't hesitate to contact me.

<http://www.bayfriendlycoalition.org/requalify.shtml>

PS. It was good to catch up with you! Thanks for calling :>)

Beth A. Baldwin  
Watershed Management Planning Specialist  
Contra Costa Clean Water Program  
255 Glacier Drive  
Martinez, CA 94553  
Tel: (925) 313-2164  
E-mail: [bbald@pw.cccounty.us](mailto:bbald@pw.cccounty.us)

**Contra Costa Clean Water Program's IPM Guidance Manual Training Workshop June 16, 2015**

<u>First Name</u>	<u>Last Name</u>	<u>Job Title</u>	<u>Company</u>
Stephen	Prée	Environmental Programs Manager/ City Arborist	City of El Cerrito
Brad	Griffing	Park Supervisor	City of Walnut Creek
Amanda	Booth	Environmental Program Analyst	City of San Pablo
Michael	Moore	Maintenance Supervisor	City of Pleasant Hill
Dave	Casteel	Maintenance Supervisor	Town of Danville
John	Teixeira	Maintenance Supervisor	Town of Danville
Greg	Travers	Maintenance Supervisor	City of Lafayette
Wendy	Wellbrock	Associate Engineer	City of Orinda
Greg	St. Pierre	IPM Coordinator	City of Pittsburg
Mike	Alley	Parks Supervisor	City Of Concord
Billilee	Saengchalern	Assistant Engineer	City of Oakley
Rinta	Perkins	NPDES Program Mgr.	City of Walnut Creek
Rich	Payne	PW Manager	City Walnut Creek
Jeff	Gault	Operations Division Mgr.	City of San Ramon
Thomas	Vigil	Maintenance Supervisor	City of Lafayette
Bob	Cellini	PW Superintendent	city of martinez
Michele	Mancuso	Watershed Planner	CC County-Public Works
Christopher	Day	Engineering Geologist	CA Waterboard
Jesse	Dela Cruz	Maintenance Foreman	City of Oakley
John	Johnston	Mainteance Supervisor	City of Clayton





CONTRA COSTA  
**CLEAN WATER**  
PROGRAM

**Contra Costa Clean Water Program's  
IPM Guidance Manual Training Workshop  
June 16, 2015  
8:00 a.m. to Noon**

- 8:00 Registration and Morning Refreshments
- 8:30 **Welcome and Introductions**  
Beth Baldwin, Contra Costa Clean Water Program
- 8:40 **Provision C.9 Pesticide Toxicity of the Municipal Regional Permit**  
Beth Baldwin, Contra Costa Clean Water Program
- 9:00 **Overview of the Guidance Manual and Model IPM Policy and Program**  
Stephen Prée, Environmental Programs Manager/City Arborist, City of El Cerrito
- 9:30 **Structural IPM: From Pests to Pest Management**  
Tanya Drlik, Contra Costa County IPM Coordinator
- 10:15 Break
- 10:30 **IPM for Landscapes: From Plant Health Care to Pest Management**  
Stephen Prée, Environmental Programs Manager/City Arborist, City of El Cerrito
- 11:15 **Round-Table Discussion: Q & A**
- 11:45 Wrap Up and Evaluation
- Noon Adjourn

*The Bay-Friendly Landscaping & Gardening Coalition confirms that*

**John Squadroni**

*has met the requirements to become a*

**Bay-Friendly Qualified Landscape  
Maintenance Professional**

*effective April 20, 2012.*



*Debi Tidd*

Debi Tidd  
Bay-Friendly Landscaping & Gardening Coalition

**From:** Justin Breck [<mailto:justin@bayfriendlycoalition.org>]  
**Sent:** Thursday, January 9, 2014 2:26 PM  
**To:** 'environjon@aol.com'  
**Subject:** Your Bay-Friendly Requalification

Dear John,

Thank you for renewing your status as a Bay-Friendly Qualified Professional, which includes a 2-year membership in the Bay-Friendly Landscaping & Gardening Coalition. In addition to your 2-year membership, you now have exclusive access to the most recent Bay-Friendly Qualified Professional (BFQP) seal, which makes it easy for you to share with clients and colleagues your commitment and qualification status. The digital seal is attached to this e-mail. We would also like to offer you free admission to one of the two upcoming February Brad Lancaster presentations. Simply type "REQUAL" into the promo code field in the registration portal. You can learn more about the presentations (and how to register) here: <http://www.bayfriendlycoalition.org/Calendar.shtml>

Your commitment to Bay-Friendly Landscapes is greatly appreciated. As we build the network and influence of Bay-Friendly Qualified Professionals in the coming year, we plan to leverage our programs to expand markets for your services and work toward a goal of making Bay-Friendly principles representative of the highest standards of sustainability in the landscape.

Thank you again for your commitment and contribution toward our efforts to create healthy & beautiful urban environments.

Kind regards,

Justin

Justin Breck | Administration and Operations Manager

*Bay-Friendly Landscaping & Gardening Coalition*

(510) 859 8026 ext. 707 | [www.bayfriendlycoalition.org](http://www.bayfriendlycoalition.org)

 Please consider the environment before printing this message.



**BAY-FRIENDLY**  
Landscape Maintenance  
Professional





## CITY OF CLAYTON

### CONTRACTING SERVICES AGREEMENT

In entering into this Contracting Services Agreement ("Agreement") this 22<sup>nd</sup> day of APRIL, 2013 ("Effective Date"), the City of Clayton, a California municipal Corporation ("City") and Environtech Enterprises ("Contractor") (each a "party," and collectively the "parties"), do mutually agree and promise as follows:

1. Special Conditions:
  - A) Contractor's Name & Address: Environtech Enterprises  
1032 Mariposa Street  
Vallejo, CA 94591  
Ph. (707) 643-3355
  - B) Payment Limit: \$ 177,000.00
  - C) Expense Limit: \$ 0
  - D) Completion Date: 12/31/15
  - E) Contractor Federal Tax I.D. or SSN: 68-0259915
2. Employment; Independent Contractor: The City employs Contractor on an independent contractor basis, and Contractor is not an employee of the City. Contractor accepts such employment and shall provide materials, labor and equipment necessary to perform the services, described more fully in Exhibit A, which is attached to this Agreement and incorporated herein by this reference, (the "services") upon the terms and in consideration of the payments stated herein. The services required by this Agreement shall be performed by Contractor or under its supervision. Contractor shall determine the means, method and details of performing the services subject to the requirements of this Agreement. Contractor retains the right to perform similar or different services for others during the term of this Agreement. Any additional personnel performing the services under this Agreement on behalf of Contractor shall not be employees of City and shall at all times be under Contractor's exclusive direction and control. Contractor shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of services under this Agreement and as required by law. Contractor shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: social security taxes, certified payrolls, income tax withholding, unemployment insurance, and workers' compensation insurance.
3. Insurance: Contractor shall, at no cost to the City, obtain and maintain during the term hereof: (a) Workers' Compensation Insurance pursuant to State Law, and (b) Comprehensive Liability Insurance including coverage for owned and non-owned automobiles, with a minimum combined single limit coverage of \$1,000,000 for all damages due to bodily injury, sickness or disease, or death to any person and damage to property, including the loss of use thereof, arising out of each accident or occurrence. The Workers' Compensation policy shall include a waiver of subrogation. Contractor shall furnish evidence of such coverage, naming the City of

Clayton, its officers and employees as additional insured and requiring 30 days written notice of policy lapse or cancellation, to the City prior to the commencing work under this Agreement and as a condition precedent to the Agreement being effective. Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

4. Payment: The City of Clayton shall pay the Contractor for services performed at the rates shown in Exhibit B, attached to this Agreement and incorporated herein by this reference, which rates shall include all overhead and incidental expenses. In no event shall the total amount paid to the Contractor exceed the payment limit specified in Sec. 1 C) and D) without prior written approval of the City Manager, City of Clayton. Contractor's statement of charges shall be submitted at convenient intervals. Payment will be made within thirty (30) days after receipt of each statement.
5. Time of Completion. Unless the time is extended in writing by the City, the Contractor shall complete all services covered by this agreement no later than the completion date listed above. Interim completion dates, if any, will be established as shown in Exhibit A.
6. Record Retention; Inspection. Except for materials and records delivered to the City, the Contractor shall retain all material and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three (3) years after Contractor's receipt of the final payment under this Agreement. Upon request by the City, the Contractor shall make such materials and records available to the City at no additional charge and without restriction or limitation on their use. The Contractor shall also make such materials and records available to authorized representatives of the State and Federal Governments at no additional charge.
7. Documentation: The Contractor shall prepare and deliver to the City at no additional charge the items, if any, described in Exhibit A to document the performance of this Agreement and shall furnish to the City such information as is necessary to enable the City to monitor the performance of this Agreement.
8. Extra Work: Any work or services in addition to the work or services described in Exhibit A shall be performed by the Contractor at rates as stated in Exhibit B. The Contractor shall be paid for the extra work at a rate mutually agreed on prior to commencement of the extra work. In no event shall the Contractor be entitled to compensation for extra work unless a written authorization or change order describing the work and payment terms has been executed by the City prior to the commencement of the work.
9. Termination By The City: At its option, the City shall have the right to terminate this Agreement at any time by written notice to the Contractor, whether or not the Contractor is then in default. Upon such termination, the Contractor shall, without delay, deliver to the City all materials and records prepared or obtained in the performance of this Agreement and shall be paid, without duplication, all amounts due for the services rendered up to the date of termination.
10. Contract Extension: At its sole option, the City shall have the right to extend the contract for three one-year terms. Contractor shall have the option to request a fee increase with each extension. Such increase may not exceed 2/3 of the annual increase in San Francisco, All Items, All Urban Consumers Price Index, with a maximum increase in any one year not to exceed 4%.

11. Abandonment By Contractor: In the event that the Contractor ceases performing services under this Agreement or otherwise abandons the project prior to completing all of the services described in this Agreement, the Contractor shall, without delay, deliver to the City all materials and records prepared or obtained in the performance of this Agreement, and shall be paid for the value of the services performed up to the time of cessation or abandonment.
12. Breach: In the event that the Contractor fails to perform any of the services described in this Agreement or otherwise breaches this Agreement, the City shall have the right to pursue all remedies provided by law or equity. Any dispute relating to the performance of this Agreement shall not be subject to non-judicial arbitration.
13. Compliance with Laws: In performing this Agreement, the Contractor shall keep itself fully informed of and in compliance with all applicable laws, statutes, ordinances, rules, regulations and reporting requirements, whether federal, state or local in origin, including without limitation all applicable Cal/OSHA and environmental regulations, of any nature. Contractor shall obtain and maintain in full force and effect all licenses required to perform the services under this Agreement for the duration of this Agreement.
14. Assignment: This Agreement shall not be assignable or transferable in whole or in part by the Contractor, whether voluntarily, by operation of law or otherwise provided, however, the Contractor shall have the right to sub-contract that portion of the services for which the Contractor does not have the facilities to perform so long as the Contractor notifies the City of such sub-contracting prior to execution of this Agreement. Any other purported assignment, transfer or sub-contracting shall be void.
15. Indemnification: The Contractor shall defend, indemnify, save and hold harmless the City and its agents, officers and employees from any and all claims, costs and liability, including attorneys fees, expert fees and litigation costs, for any damages, injury or death arising directly or indirectly from or in any way in connection with the services provided under this Agreement, due to or claimed or alleged to be due to negligent, whether active or passive, or wrongful acts, errors or omission of Contractor or any person under its control, save and except claims or litigation arising through the sole gross negligence or sole willful misconduct of the City. All City expenses, including attorneys fees, experts fees and litigation costs, related to any claims or litigation shall be paid by the Contractor as they are incurred.
16. Prevailing Wages: The Contractor and each of its sub-contractors shall pay all workers employed to perform the services under this Agreement not less than the wages specified in the General Prevailing Wage Determination made by the Director of Industrial Relations in effect on the date of this Agreement, and shall comply with all applicable requirements of California Labor Code Section 1720, *et seq.*, and 1770, *et seq.*, as well as California Code of Regulations, Title 8, Section 16000, *et seq.* ("Prevailing Wage Laws"). City shall provide Contractor with a copy of the prevailing rates of per diem wages in effect at the commencement of this Contract. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the project site. Contractor shall defend, indemnify and hold the City, its elected officials, officers, consultants, employees and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.
17. Equal Opportunity Employment: Contractor represents that it is an equal opportunity employer and it shall not discriminate against any employee or applicant for employment because of




race, religion, color, national origin, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

- 18. Attorneys Fees: If an action is commenced by either party against the other party to enforce the terms of this Agreement, the prevailing party shall be entitled to an award of reasonable attorneys' fees..
- 19. Heirs, Successor and Assigns: This Agreement shall inure to the benefit of and bind the heirs, successors, executors, personal representatives and assigns of the parties.
- 20. Entire Agreement. This Agreement contains the entire agreement of the parties with respect to the subject matter hereof, and supersedes all prior or contemporaneous negotiations, understandings or agreements, whether written or oral. This Agreement may only be modified by a writing signed by both parties.
- 21. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of California. Venue shall be in Contra Costa County.
- 22. Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel, or otherwise.
- 23. No Third-Party Beneficiaries. There are no intended or incidental third-party beneficiaries of any right or obligation assumed under this Agreement by the parties.
- 24. Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.
- 25. Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original and all of which shall constitute one fully executed Agreement.

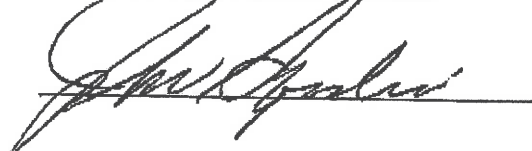
IN WITNESS WHEREOF, the undersigned duly authorized signatories have executed this Agreement on behalf of the respective parties, with the intent that it be effective on the Effective Date, on the respective dates shown:

CITY OF CLAYTON

BY

  
\_\_\_\_\_  
City Manager

ENVIRONTECH ENTERPRISES

  
\_\_\_\_\_  
OWNER

(Designate official capacity in the business)

DATE: 04-22-13

DATE: 4/19/13

Attachments: Exhibit A and Exhibit B, attached behind this page



## EXHIBIT A

### ENVIRONTECH ENTERPRISES OPEN SPACE MANAGEMENT PROPOSAL CITY OF CLAYTON

The following work is proposed for the open space under management by the City of Clayton. This proposal was designed and implemented by ENVIRONTECH and is identical in its design and method to that which was accepted for the Clayton open space areas since 1991. The scope of the work has been expanded, over the years, to include the original target species, as well as other invasive species. Contract to be fulfilled by ENVIRONTECH.

Artichoke thistle or Cardoon, Mustard, Star thistle, Milk thistle (whose population has had a dramatic increase), are the main species of noxious weed that exist on the Clayton open space. Management of the initial three species has resulted in a marked population reduction. The following proposal targets all the above noxious weeds through the use of an integrated pest management program the main objective of which is to eliminate and eventually exhaust the local seed source.

**METHODOLOGY** (Identical methods apply for both North and South areas)

**Artichoke thistle, Milk thistle, and prickly clot burr** will be treated with the best and safest modern herbicides to insure destruction of the parent plants before seeding occurs. The termination of parent plants will result in the elimination of the local seed source and a gradual reduction in the population.

**Yellow Star thistle and Mustard** will be chemically treated by spraying areas of infestation with herbicide where applicable. New herbicides have proven extremely effective on thistle and broadleaf weeds in very low concentrates. Herbicides will be applied with the use of specially equipped ATV's or pickup trucks, as well as with backpack sprayers.

Broad leaf specific pre-emergent will be used early in the season and in problem areas to head off an early bolt. Annuals will be sprayed at any time before seed for best effect.

Initial annual abatement for Artichoke, Milk thistle, Yellow Star thistle and Mustard is January 1<sup>st</sup> through June. Work will continue through that time period or until annual budget is exhausted and will include monthly monitoring. Clot Burr and other pioneer weeds will be treated as encountered as well as other infestations of pioneer noxious weeds.

#### **PROPOSED HERBICIDES AND EQUIPMENT**

The following is a list of the herbicides proposed for this project.

Telar – Broadleaf specific pre-emergent herbicide with no toxicity above high water marks. Can be used in early season for grass release and to prevent early bolt due to unseasonable weather .

## EXHIBIT A

Garlon 3A – Broadleaf specific non volatile herbicide with rapid degradation. Safe for use up to edge of streams and bodies of water. Non toxic to grazing animals. Used on Mustard directly, and used in conjunction with other herbicides for use on thistles. Carries DANGER label for being an eye irritant but becomes CAUTION when diluted.

Renovate – Basically Garlon 3A with an aquatic label for use in drainages and riparian areas where other chemicals are legally prohibited.

Garlon 4 – Broadleaf specific but volatile. Used for quick knockdown when weather and temperature allow (typically early season). Ester formula of Garlon carries CAUTION label. Not to be used near water.

Milestone – Broadleaf specific virtually non toxic chemical that is specific to thistles. Some short term residual effects. Very effective and safe to use up to waterline. Carries CAUTION label.

ENVIRONTECH is equipped with three six wheel drive ATV's of heavy load capacity (over 600 lbs.) with 55 gallon tanks, 300 ft. of ¾ inch hose on reels with delivery of 10 gallons/minute at 280 PSI, along with boom sprayer attachment and automatic boom valves.

ENVIRONTECH also inventories two mobile spray rigs with 4 wheel drive, one of which carries 150 ft of 1 inch hose, 200 gallon capacity with delivery of 30 gallons/minute at 150 PSI.

### QUALIFICATIONS

John Squadroni and ENVIRONTECH has been in the business of Native Habitat Restoration, Vegetation Management and Fire Hazard Reduction since 1990 and has been the contractor on this project for the City of Clayton and Wildland Resource Management since 1991. He has a Bachelors of Science degree in Forest Resource Management from the University of Washington and carries an active California QAL (#32335) in categories BCEF, DPR business license (#30038) and a valid California C-27 contractor's license (#691133), and has current IPM certifications. ENVIRONTECH has completed four weed abatement for restoration projects IN THE PAST YEAR including the City of Clayton open space (since 1991). References are attached.

ENVIRONTECH is fully insured with L/D and workers compensation when required.

**EXHIBIT B**

**FEE QUOTE  
WEED ABATEMENT SERVICES  
IN CITY OWNED OPEN SPACE PARCELS  
IN THE OAKHURST COUNTRY CLUB DEVELOPMENT  
FOR YEARS 2013 THROUGH 2015**

The following quote is submitted in response to all provisions of the City of Clayton request for Quote.

**ANNUAL COSTS**

**A). Area North of Peacock Creek**

**1) Artichoke/Milk/Italian Thistles, and Clot Burr**

**Labor**

Qualified Applicator	100 hours @ \$60.00/hour	\$ 6,000.00
Additional labor	50 hours @ \$40.00/hour	\$ 2,000.00

**Materials**

Herbicides		\$ 2,000.00
------------	--	-------------

**Equipment**

Spray Rigs		\$ 500.00
Other		included

**Subtotal \$10,500.00**

**2) Mustard and Star Thistle**

**Labor**

Qualified Applicator	200 hours @ \$60.00/hour	\$12,000.00
Additional labor	50 hours @ \$40.00/hour	\$2,000.00

**Materials**

Herbicides		\$4,500.00
------------	--	------------

**Equipment**

Spray Rigs		\$500.00
Other		included

**Subtotal \$19,000.00**

**Total Annual Cost for area North of Peacock Creek \$29,500.00**

**EXHIBIT B**

**B). Area South of Peacock Creek**

1) Artichoke/Milk/Italian Thistles, and Clot Burr

Labor

Qualified Applicator	100 hours @ \$60.00/hour	\$ 6,000.00
Additional labor	50 hours @ \$40.00/hour	\$ 2,000.00

Materials

Herbicides		\$ 2,000.00
------------	--	-------------

Equipment

Spray Rigs		\$ 500.00
Other		included

**Subtotal** **\$10,500.00**

2) Mustard and Star Thistle

Labor

Qualified Applicator	200 hours @ \$60.00/hour	\$12,000.00
Additional labor	50 hours @ \$40.00/hour	\$ 2,000.00

Materials

Herbicides		\$4,500.00
------------	--	------------

Equipment

Spray Rigs		\$500.00
Other		included

**Subtotal** **\$19,000.00**

**Total Annual Cost for area South of Peacock Creek** **\$29,500.00**

**Total Annual Cost** **\$59,000.00**





**REQUEST FOR QUOTE  
FOR  
WEED ABATEMENT SERVICES  
IN  
CITY-OWNED OPEN SPACE PARCELS  
IN THE  
OAKHURST COUNTRY CLUB  
DEVELOPMENT  
FOR YEARS  
2013 THROUGH 2015**

**February 5, 2013  
Revised February 8, 2013**

**Prepared by  
City of Clayton  
Engineering Department  
925/363-7433**

**REQUEST FOR QUOTE  
 FOR  
 WEED ABATEMENT SERVICES  
 IN  
 CITY-OWNED OPEN SPACES PARCEL  
 IN THE  
 OAKHURST COUNTRY CLUB DEVELOPMENT  
 FOR YEARS  
 2013 THROUGH 2015**

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**REQUEST FOR QUOTE  
FOR  
WEED ABATEMENT SERVICES  
IN  
CITY-OWNED OPEN SPACES PARCEL  
IN THE  
OAKHURST COUNTRY CLUB DEVELOPMENT  
FOR YEARS  
2013 THROUGH 2015**

***Background***

As part of the development of the Oakhurst Country Club in the 1990's, several large open space parcels were created and transferred to City ownership.

Most of the open space parcels were left undeveloped with the exception of some hiking and fire trails. As part of the management of the property, the City has, since 1992, undertaken an ongoing weed management program in order to control the growth and expansion of undesirable vegetation. The current contract for the weed management program expired on 12/31/12 and the City is seeking proposals for the continuation of the program for the next three calendar years (2013 through the end of 2015, with the option of three one-year extensions).

***Areas of Work***

There are two areas of work as shown on Attachments 1 and 2. The area labeled "North of Peacock Creek" is approximately 167 acres in size and is generally bounded by single family residences (Eagle Peak and Falcon Ridge subdivisions) on the north, the Oakhurst Golf Course on the west, the easterly City Limits on the east, and Peacock Creek on the south. The terrain for this area is generally very steep and there is only limited access for vehicles and equipment.

The second area, labeled "South of Peacock Creek", is approximately 230 acres in size and is generally bounded by single family residences (Peacock Creek Estates subdivision) on the north, Peacock Creek Drive and Clayton Road on the west, Diablo View Middle School and the Clayton Community Park on the south, and the easterly City Limits on the east. This area is primarily rolling hills and is generally accessible by vehicles and equipment.

***Scope of Work***

Artichoke Thistle, mustard, yellow star thistle, milk thistle and prickly clot burr are the main species of noxious weeds found to exist on the City's open space parcels. The primary objective of the City's ongoing weed management program has been to promote the growth of grasses and favorable herbaceous plants through the reduction of noxious weed seed sources.

*The following described scope and schedule of work is generally based upon past practices. The contractor may propose alternative methods and schedules with the understanding that control and elimination of all noxious weed sources must be achieved during the entire term of the contract. The work will be overseen and inspected on behalf of the City by the City's Maintenance personnel. Should, in the sole opinion of the City, additional treatment, manpower, equipment or materials be*

*required to achieve the stated goal, such treatment, manpower, equipment or materials shall be provided by the contractor at no additional cost to the City of Clayton.*

#### Artichoke Thistle Removal

Artichoke thistle, milk thistle, and prickly clot burr shall be spot treated to ensure destruction of the parent plants before seeding occurs. Continued spot application of herbicide shall continue throughout the contract term. The elimination of parent plants will result in the elimination of the local seed source and a gradual reduction in the thistle plant population.

Spot infestation of pioneering noxious weeds (e.g., Russian thistle) and milk thistle will be either mowed or cut out, or sprayed with an appropriate herbicide as encountered.

#### Yellow Star Thistle Removal

A tractor equipped with a flail or cutter bar shall be used in areas of concentration and where slopes allow wheeled vehicles. Where slopes preclude the use of wheeled tractors, a weed-eater with a brush blade shall be used to cut the plants. The use of herbicides may be allowed where applicable.

#### Schedule

Initial annual abatement for artichoke and milk thistle is February through mid-July. Twice monthly follow-ups shall occur between mid-July and January 31.

Clot burr shall be treated as encountered.

Yellow star thistle and mustard abatement shall begin approximately mid-summer (depending upon weather), just after flower emergence.

Spot infestation pioneering noxious weeds shall be treated as encountered.

Annuals shall be cut at the initial flowering stage. Since the cut will stimulate new growth, a second cut, as determined by Wildland Resource Management, may be required and shall be included in the quote submitted. Where mustard is targeted, cutting of the targeted area will be required annually. The use of selective herbicides to augment cutting may be permitted where concentrations are localized and access with cutting equipment difficult.

#### Equipment/Herbicides

The contractor shall provide equipment in order to securely and safely negotiate unimproved roads and terrain. This equipment shall minimize soil disturbance by covering as large an area as possible from single point, and to deliver large volumes of material to the site while minimizing drift from herbicide application:

The bidder must have full knowledge of herbicides to be used for greatest effect and minimum environmental impact.

1. Contractor must submit a herbicides proposal. Use of anything other than Garlon 3a, Renovate, or Garlon 4 in open areas away from forest and drainage will not be approved. These are the safest herbicides to use, typically have no effect on grasses and



a minimal effect on wild flowers and other native herbaceous plants. Most are approved for use right up to water line in riparian zones.

2. The bidder must have broad knowledge of noxious weeds, must identify and seek out noxious weeds, locate infestations and terminate invading species. Must also have broad knowledge of native species to minimize damage.
3. The bidder must be familiar with and willing to follow the City's IPM operating procedures and practices (see Attachment 1).
4. At a minimum, bidder shall have an active QAL license in DPR categories BCEF.
5. A current "Bay Friendly" certification.
6. Must carry and submit insurance certificates and proof of workman's comp.

### ***Reporting Requirements***

Immediately upon completion of a treatment cycle, the contractor shall report the pounds/volume of all pesticides and/or herbicides applied (reporting the amount of the active ingredient applied is a plus) as well as the IPM methods used prior to applying chemicals.

### ***Licenses/Miscellaneous***

Contractor shall submit, with his fee quote, copies of current State-issued pesticide applicator licenses, proof of his "Bay Friendly" certification, and proof of experience with references. The City retains the right to perform the desired work with its own forces and shall not be under any obligation to award a contract for this work.

The contractor, if any, awarded this contract shall be required to obtain and maintain a business license from the City of Clayton prior to receiving any payment. The cost of obtaining and maintaining a business license, or any other required license, shall be included in the fee quote and no additional compensation will be allowed therefor. In addition, Contractor will be required to pay prevailing wages to his employees and, if requested, provide certified payroll reports to the City.

Prior to execution of the contract by the City, Contractor shall provide certificates of insurance naming the City of Clayton as an additional insured, for his general liability, vehicle and workman's compensation insurance policies as required in the City's standard contract as shown in Attachment 4.

### ***Site Visit***

All bidders are encouraged to inspect the areas covered under the proposed scope of work. Submittal of a fee quote shall constitute evidence of the contractor's familiarity with the work sites and their condition, accessibility, etc. No additional compensation will be allowed for any unforeseen conditions or problems.

*Fee Quote Submittal*

The fee quote submittal shall describe the services and schedule for work in each area (i.e., North of Peacock Creek and South of Peacock Creek). The fee quote shall describe the equipment, manpower and materials to be used in each area along with estimates of the anticipated man-hours required.

The lump sum fees quoted shall be on annual basis for each of the three years proposed for the contract term.

Attachment 3 is a sample quote sheet intended to provide format guidance only.

The fee quote shall be submitted to Rick Angrisani, Clayton City Engineer, no later than 4:00 PM on Friday, February 22, 2013, at his office at 5375 Clayton Road, Concord, CA 94521. Any questions may be directed to Mr. Angrisani by phone at 925/363-7433 or e-mail at [ricka@permcoengineering.com](mailto:ricka@permcoengineering.com)

**ATTACHMENT 1**

**CITY OF CLAYTON IMP  
ADMINISTRATIVE POLICY**

## **City of Clayton - IPM Administrative Policy**

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It is the purpose and intent of this IPM Policy to ensure that the City of Clayton departments and all those who apply pesticides to property owned and/or managed by the City of Clayton utilize integrated pest management (IPM) practices and reduce pesticide applications on public-owned and/or City of Clayton managed property to the maximum extent feasible and as required by State and Regional Stormwater regulation.

The City of Clayton, in carrying out its pest management operations, shall focus on long term prevention or suppression of pest problems with minimum impact on human health, non-target organisms, and the environment.

The goal of the City of Clayton is to reduce its use of pesticide use and use to maximum extent possible non-toxic methods to control pests on City of Clayton property. The City of Clayton recognizes that pesticides are potentially hazardous to human health and the environment, and non-pesticide alternatives will be considered over toxic pesticides on City of Clayton property. The first level consideration will be the least toxic method that is both effective and feasible. The City of Clayton has a IPM Standard Operating Procedures and Practices that will outline all the IPM activities that will be implemented to ensure that less toxic methods, that are effective and feasible, are used to control pests on City of Clayton property.

These documents may be updated as needed from time to time.



# **City of Clayton**

## **Standard Operating Procedures & Practices**

### **Administrative Policy for Pesticide Use**

The following are standard operating procedures for **the City of Clayton** for pesticide use in the IPM operational practices within the City's jurisdiction. These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control. The City of Clayton and the Contra Costa Clean Water Program work in conjunction to track and participation in regulatory processes, interface with the County Agricultural Commissioner, and conduct public outreach. For guidelines regarding the City of Clayton IPM program please refer to Attachment B, the City of Clayton's IPM Policy. The staff person or IPM Coordinator responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is Mark Janney, Maintenance Supervisor and their number is **(925) 673-7327**; or email at [mjanney@ci.clayton.ca.us](mailto:mjanney@ci.clayton.ca.us).

## **IPM Standard Operating Procedures**

### **General**

The City uses very limited pesticides, it is currently limited to use at city buildings for ants and similar pests. The City Contracts with Western Exterminator for building pest management. Periodically the City Contracts with a Contra Costa County Department of Agriculture approved IPM contractor for management of ground squirrels in certain areas when damage is occurring. The City also contracts with an approved IPM contractor for management of non-native invasive plant species of Star Thistle and Artichoke Heart in the Oakhurst Open Space. This is an area of approx. 400 acres. The EIR mitigation measures for the Oakhurst Country Club development required management of these plants. Herbicide applications are targeted to these two plant species. Maintenance by City staff mostly involves limited use of herbicides – specifically spot spraying of weeds in landscape areas, and pre-emergent in the fall and spring to minimize weed growth in certain landscape areas. The maintenance staff also applies slow release fertilizer periodically on active use lawn areas such as the park and sports play fields. All applications are done according to the manufacturer's application specifications.

### **Pesticide Use**

Pesticide use within the City of Clayton is determined by an assessment of each pest situation. Each assessment includes identification of the pest causing the damage (e.g., weed, insect, rodent, etc.), evaluation of prevention, exclusion and sanitation measures that will contribute to successful pest management, evaluation of both non-chemical and chemical options for eliminating or reducing pest numbers, and then developing an integrated management plan using as many management options as practical and economical. Pesticides are generally used

as a last resort and are chosen and applied in a manner that is least harmful to people and the environment. The pest problem should then be monitored to evaluate the success of the management strategy.

Particular scrutiny will be used to evaluate the necessity of using the pesticides of concern listed in the Permit under Section C.9: organophosphorous pesticides (chlorpyrifos, diazinon and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin).

Environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process of review prior to considering their use. Each pesticide used is carefully monitored and recorded using a pesticide management database (see Attachment C).

### **Pesticide Applicators**

All pesticide applicators and IPM providers have IPM training and certification as required by the MRP. All IPM contractors have IPM language in their contracts as required by the MRP. All IPM providers are required to follow these standard operating procedures. In addition, all IPM providers must be certified as "Bay Friendly".

### **IPM Training**

All pesticide applicators will be trained annually in IPM. IPM training may include local, countywide, that included with PAPA licensing or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

### **IPM Outreach**

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP.

### **Reporting**

A copy of the City of Clayton's IPM policy shall be included in the annual report. To the extent practicable and data is available, trends in quantities and types of pesticides used shall also be reported, as well as reasons for any increases. The annual report shall also include the percentage of City of Clayton employees who apply pesticides that have been trained in IPM. For any city hired contractor who applies pesticides, a copy of their contract specification; or certification; or other similar acceptable documentation shall also be included in the annual report. For regional regulatory, interface or outreach efforts, the City of Clayton may reference those regional reports.

**ATTACHMENT 2**

**MAP**

**AREA NORTH OF PEACOCK CREEK**





Google

©2009

Eye: 31 94.3511



Instituto Costa Rica

© 2009 Google

10° 55' 00" N 84° 51' 00" W, elev: 301 ft

Imagery Date: Feb 19, 2008



**ATTACHMENT 3**

**MAP**

**AREA SOUTH OF PEACOCK CREEK**



©2009 Google

Eye alt: 7395 ft

37° 55' 52.45" N 122° 05' 16.01" W

Map data: Feb 2009

Clayton, CA

**Laura Hoffmeister**

---

**Subject:**

FW: City of Clayton information needed

---

**From:** [Environjon@aol.com](mailto:Environjon@aol.com) [<mailto:Environjon@aol.com>]

**Sent:** Friday, September 12, 2014 9:53 AM

**To:** [lhoffmeister@ci.clayton.ca.us](mailto:lhoffmeister@ci.clayton.ca.us)

**Subject:** Re: Information for City of Clayton nonnative Oakhurst open space weed management

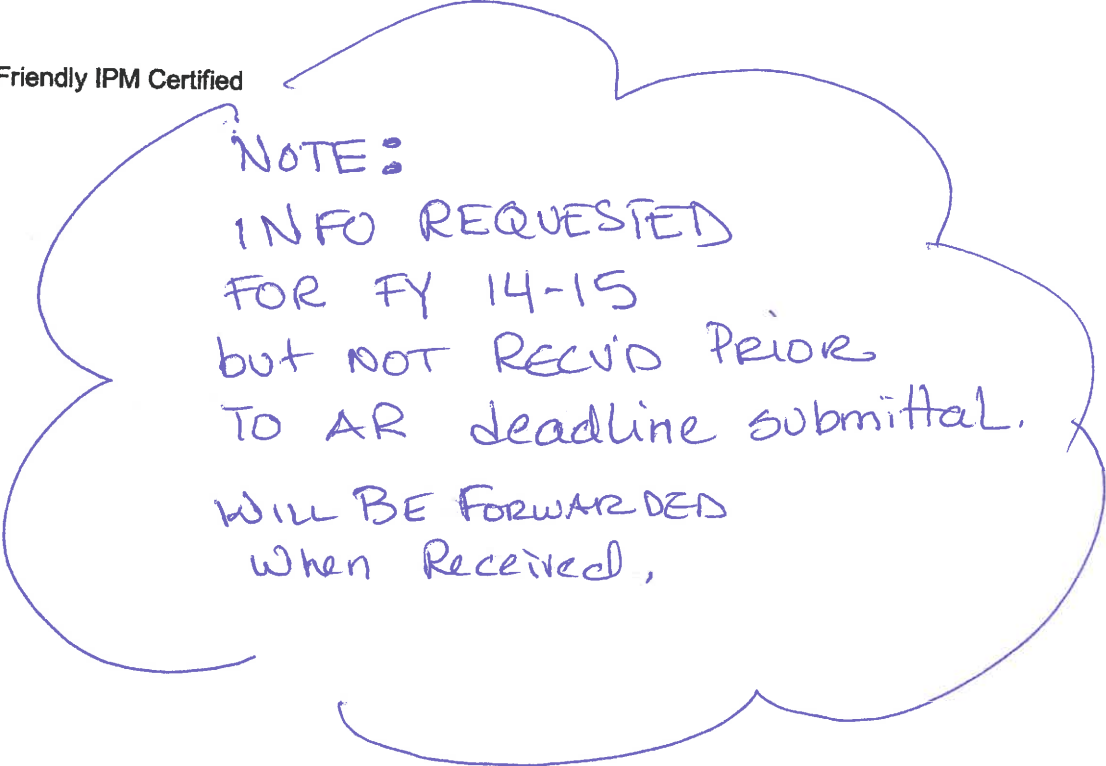
This is to notify the City of Clayton that Envirotech used from July 1, 2013 – June 30, 2014 the following quantities on selected areas within an apx. 125 acres for noxious weed non-native weed abatement of star thistle and artichoke heart pursuant to the contract with the City of Clayton and the oakhurst development mitigation measures related to non-native weed management in the City owned open space- [ I also renewed by Bay Friendly certification early and have provided to you as well]

Garlon 3a 75 gallons

Transline 2.5 gallons

Milestone 2.5 gallons

John Squadroni  
Envirotech – Bay Friendly IPM Certified



NOTE:  
INFO REQUESTED  
FOR FY 14-15  
but NOT REC'D PRIOR  
TO AR deadline submittal.  
WILL BE FORWARDED  
when received,

www.ecowisecertified.org



Integrated Pest Management

# CERTIFICATE OF COMPLETION



**Michael Swetnam**

has successfully completed the requirements for

**EcoWise Certified Practitioner**

on

July 30, 2013

**Certificate Expires on July 29, 2016**

Certificate No. C-142  
(verify at [www.ecowisecertified.org](http://www.ecowisecertified.org))

**William Quarles**  
Program Manager  
EcoWise Certified



Administered by  
Association of Bay Area Governments  
[www.abag.ca.gov](http://www.abag.ca.gov)

**Coli Scandone**  
Senior Regional Planner  
Association of Bay Area Governments





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"The only thing we have to sell is service. So let's make it good."

It was a simple philosophy. But over 90 years later, it still works. Back in 1921, few people knew very much about pest control. But they knew about service and reliability. And they knew that's what they could count on with Western. People still know that today.

Our Yellow Trucks with the "Little Man" are ready to help, any time of the day or night — whatever you need. We know you have a business to run and don't need to manage your pest control program too. Our professional technicians have the training and expertise to perform the service right the first time. We understand that protecting your brand is your primary concern, and as your pest professional partner, that's our primary concern too. Whether you have a food handling establishment, warehouse, office building, hospital, airplane or cruise ship, no matter how big or small, our Western team is the one to trust!

#### IPM (Integrated Pest Management)

Integrated Pest Management (IPM) is an effective and environmentally-sensitive approach to pest management that relies on a combination of common-sense practices. Western's IPM programs use current, comprehensive information on the life cycles of pests and their interaction with the environment. In combination with available pest control methods, you are assured of the most effective pest control program with the least possible hazard to people, property and the environment. Prevention is always the first component, and only when required, necessary control measures are used.

Western Exterminator Company is dedicated to protecting your products, reputation and working environment through our Integrated Pest Management programs that ensure consistency, accountability, responsiveness and effectiveness to provide you the best in



pest management solutions. Our commitment to you: to minimize your concerns related to pests and the problems they cause.

#### Customized Solutions to Protect Your Brand:

- Complete commercial termite and pest control services, including termite inspections for real estate transactions
- Rodent control and exclusion
- Stored product pest control and elimination
- Bee control and removal
- Bird control without harming the birds
- Red Bug specialists, including canine inspections
- Air curtain systems
- Commodity, trailer & rail car fumigations
- Flying insect control
- Drain services - no more drain flies, drain odors & clogging
- Integrated food handling facility services - Western's program, supplemented by our on-staff entomologists and registered sanitarians, helps assure compliance with food safety regulations. We can provide complete inspections, assessments, vendor audits, third-party certifications and reports (AIB-American Institute of Baking, ASI-American Sanitation Institute, FDA- Food and Drug Administration, USDA-United States Department of Agriculture)
- Pest management solutions and account management for facilities throughout North America

More pest control. Less pesticide. Western has earned the top certifications in the industry.



Green Shield Certified is an award-winning, independent, non-profit certification program that promotes practitioners of effective, prevention-based pest control while minimizing the use of pesticides.

Green Shield Certified gives you the confidence of an independent, third-party verification and requires that pest management companies adhere to a strict set of standards.



GreenPro is the world's largest and most credible green certification program for pest management professionals. The GreenPro certification means that your pest management provider must comply with a multitude of qualifications to ensure that you receive a safe and effective service each time they arrive at your door.

For more information about Western commercial services, contact our Commercial Services Team at 1-800-640-0694 or at [littleman@west-ext.com](mailto:littleman@west-ext.com)



# Commercial Services



Family Pride In Excellence Since 1921

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1-800-WEST-EXXT  
1-800-637-6363

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Your Complete Satisfaction is Guaranteed!

*Michael King, President*

Catch these great **WEB SPECIALS!** before they catch you

## Customized Solutions



### Have Pests Invaded Your Business?

We understand that your business can't afford a pest infestation. Our Yellow Trucks with the "Little Man" are ready to come to your aid, any time of the day or night---whatever you require. Since 1921, Western continues to provide peace of mind and our personal guarantee against pest infestation.

Our professionals will make a complete survey of your facilities and provide you with a report covering existing pest problems, plus any housekeeping and sanitation conditions along with our recommendations for corrections. We guarantee to offer you with the most efficient and cost effective solutions to insure your business is pest free, giving peace of mind to both you and your customers.

### Customized Solutions To Fit Your Needs:

- Complete Commercial Termite and Pest Control Services, Including Termite Inspections for Real Estate Transactions
- Rodent Control and Exclusion
- Stored Product Pest Control and Elimination
- Bee Control and Removal
- Bird Control
- Integrated Pest Management (IPM)
- IPM Inspections and Reporting Per Industry and Government Standards (AIB-American Institute of Baking, ASI-American Sanitation Institute, FDA- Food and Drug Administration, USDA-United States Department of Agriculture)
- Air Curtain Systems
- Commodity, Trailer & Rail Car Fumigations
- Flying Insect Control
- Bioremediation Services - No More Drain Flies, Drain Odors & Clogging
- Integrated Food Handling Facility Services- Western's program, supplemented by our on by our on staff Entomologists and Sanitarians, helps assure compliance with food safety regulations. We can provide complete inspections, assessments, vendor audits, 3rd party certifications and reports.
- A National Copesan Pest Solutions Partner Serving the Entire United States

### Rely on the West's Best to Solve Your Pest Problems

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3481 Arden Road  
Hayward, Ca. 94545  
(510) 569-8889 (925) 935-0599

# Service Inspection Report Service Report #970505590C1R06048274

**Client:** 130965  
CITY OF CLAYTON  
6000 HERITAGE TRL  
CLAYTON, CA 94517

**Service Location:** 970505590  
CITY OF CLAYTON  
6000 HERITAGE TRL - City Hall Bldg  
CLAYTON, CA 94517-1249

**Customer Signature:**

jessica

**Technician Signature:**

MIKE SWETNAM

**Licenses/Certifications**  
CA - 18797  
CA - PR11051  
CA - SC 1000-085

**Time In:** 07/29/2015 01:24:41 PM **Terms:** INVOICE TO FOLLOW  
**Time Out:** 07/29/2015 01:45:49 PM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
970505590C1R06048274	BLANKET NON-FD COMME	1	\$107.00	\$107.00
<b>SubTotal:</b>				<b>\$107.00</b>
<b>Tax:</b>				<b>\$0.00</b>
<b>Total:</b>				<b>\$107.00</b>
<b>Amount Due:</b>			<b>\$107.00</b>	

### Service Comments

Tech Comment: thank you for using western exterminator company

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate	0.500 Gallons		
	n/a	0.6	1.000 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

### Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Pest Summary

Pest Activity	Quantity	Device Summary Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
---------------	----------	-------------------------------	------------------	---------------------	--------------------	-------------------------------	---------	---------

*None Noted.*

*None Noted.*

*Additional pest findings may have been observed. Please see conditions and comments for more details.*

Sample of Application INFO: SAME MATERIALS + QUANTITIES  
ARE DONE MONTHLY.  
DURING FY 15-16





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Hayward, Ca. 94545  
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# Service Inspection Report Service Report #010528354C1R06048272

**Client:** 126004  
CITY OF CLAYTON  
6000 HERITAGE TRL  
CLAYTON, CA 94517

**Service Location:** 10528354  
CITY OF CLAYTON  
6008 CENTER ST  
CLAYTON, CA 94517-1302

*- Endeavor Hall Bldg*

**Customer Signature:**

**Technician Signature:**

MIKE SWETNAM

**Licenses/Certifications**

CA - 18797  
CA - FR11051  
CA - SC 1000-085

**Time In:** 07/29/2015 06:21:07 AM **Terms:** INVOICE TO FOLLOW  
**Time Out:** 07/29/2015 06:42:24 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
010528354C1R06048272	BLANKET NON-FD COMME	1	\$103.00	\$103.00
<b>SubTotal:</b>				<b>\$103.00</b>
<b>Tax:</b>				<b>\$0.00</b>
<b>Total:</b>				<b>\$103.00</b>
<b>Amount Due:</b>				<b>\$103.00</b>

### Service Comments

Tech Comment: see account 970505590 for sig

### Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt n/a	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate 0.6	0.500 Gallons 1.000 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

### Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Pest Summary

Pest Activity      Quantity

*None Noted.*

### Device Summary

Device Type

*None Noted.*

With Activity	Without Activity	Total Inspected	Device Exceptions		
Replaced	Removed	Skipped			
<i>None Noted.</i>					

*Additional pest findings may have been observed. Please see conditions and comments for more details.*

*Sample of Application INFO: SAME MATERIALS + QUANTITIES  
ARE DONE MONTHLY  
DURING FY 15-16.*



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# Service Inspection Report

## Service Report #504119678C1R06048273

**Client:** 133900  
CITY OF CLAYTON  
6000 HERITAGE TRL  
CLAYTON, CA 94517

**Service Location:** 504119678  
CITY OF CLAYTON  
6125 CLAYTON RD - Library Bldg  
CLAYTON, CA 94517-1241

**Customer Signature:**

**Technician Signature:**

MIKE SWETNAM

**Licenses/Certifications**

CA - 18797  
CA - FR11051  
CA - SC 1000-085

**Time In:** 07/29/2015 06:44:14 AM **Terms:** INVOICE TO FOLLOW  
**Time Out:** 07/29/2015 07:09:24 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
504119678C1R06048273	BLANKET NON-FD COMME	1	\$111.50	\$111.50
<b>SubTotal:</b>				<b>\$111.50</b>
<b>Tax:</b>				<b>\$0.00</b>
<b>Total:</b>				<b>\$111.50</b>
<b>Amount Due:</b>				<b>\$111.50</b>

**Service Comments**

Tech Comment: see account 970505590 for sig

**Material Summary**

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt n/a	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate 0.6	1.000 Gallons 2.000 Ounces	General	
<i>Target Pests: Ants Areas Applied: Exterior</i>					

**Open Conditions**

Area	Severity Responsibility	Created Last Inspected
Exterior <b>Condition</b> to much plant growth all around build <b>Action</b> plants and bushes need trimmed back off of building all around <b>Comments:</b> 07/29/15 03180: deficiency still exists	High Client	09/23/14 07/29/15

**Conditions Resolved This Visit**

Area	Severity Responsibility	Created Last Inspected
None Noted.		

**Pest Summary**

Pest Activity	Quantity	Device Summary Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
None Noted.								

Additional pest findings may have been observed. Please see conditions and comments for more details.

SAMPLE OF Application INFO: SAME MATERIALS & QUANTITIES  
ARE DONE MONTHLY.  
DURING FY 15-16.



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Hayward, Ca. 94545  
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# Service Inspection Report Service Report #960300036C1R06048275

**Client:** 126272  
CITY OF CLAYTON  
6000 HERITAGE TRL  
CLAYTON, CA 94517

**Service Location:** 960300036  
CITY OF CLAYTON  
7411 MARSH CREEK RD - *Community Park Restroom Bldg*  
CLAYTON, CA 94517

**Customer Signature:**

**Technician Signature:**

MIKE SWETNAM

**Licenses/Certifications**

CA - 18797  
CA - FR11051  
CA - SC 1000-085

**Time In:** 07/29/2015 07:45:01 AM **Terms:** INVOICE TO FOLLOW  
**Time Out:** 07/29/2015 07:58:46 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
960300036C1R06048275	BLANKET NON-FD COMME	1	\$48.50	\$48.50
<b>SubTotal:</b>				<b>\$48.50</b>
<b>Tax:</b>				<b>\$0.00</b>
<b>Total:</b>				<b>\$48.50</b>
<b>Amount Due:</b>				<b>\$48.50</b>

### Service Comments

Tech Comment: see account 970505590 for sig

### Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate	0.300 Gallons		
	n/a	0.6	0.600 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

### Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

### Pest Summary

Pest Activity	Quantity
<i>None Noted.</i>	

### Device Summary

Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
<i>None Noted.</i>						

*Additional pest findings may have been observed. Please see conditions and comments for more details.*

SAMPLE OF APPLICATION INFO: SAME MATERIALS + QUANTITIES  
ARE DONE MONTHLY  
DURING FY 15-16.

**No spraying from CCMVPD occurred in Clayton during FY 14-15 the District did respond to standing water complaints in neglected backyard pools and provided mosquito fish to address the potential threat of mosquito breeding**

## **Contra Costa Mosquito and Vector Control Website**

### **INTEGRATED VECTOR MANAGEMENT 2014-2015**

Integrated Vector Management (IVM) is an ecosystem-based strategy, which focuses on long-term prevention of pests or their damage through a combination of techniques such as public education, biological control, physical control (habitat manipulation), vegetation management, microbial control, vector surveillance, and chemical control. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control methods are selected and applied in a manner that minimizes risks to human health, beneficial and non-target organisms and the environment.

All pesticides used by the District have been tested and approved by the Federal and State Environmental Protection Agencies for use in public health mosquito control programs and are applied by trained and licensed technicians as part of an integrated vector management (IVM) program. Our program is in full compliance with all applicable Federal and State regulations including the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), the Clean Water Act (CWA), the California Environmental Quality Act (CEQA) and the California Health and Safety Code. The use of source reduction, biological control and biorational pesticides minimizes impact on the environment while protecting the public from mosquito-borne disease and nuisance problems.

The US Environmental Protection Agency website has detailed information on [pesticides used in mosquito control](#).

Pesticides currently used by Contra Costa Mosquito & Vector Control District are as follows:

## **Mosquitoes - Larvicides**

### **Monomolecular Film**

[Agnique \(Liquid\)](#)  
[Agnique \(Granules\)](#)

### **Methoprene**

[Altosid Briquets](#)  
[Altosid Granules](#)  
[Altosid Pellets](#)  
[Altosid Pellets WSP](#)  
[Altosid Liquid \(Duplex\)](#)  
[MetaLarv S-PT](#)

### **Larvicidal Oils**

[BVA Larvicidal Oil](#)



## **Bacterial Insecticides**

Vectobac 12 AS  
Vectobac Granules  
FourStar Briquet  
180d  
VectoMax CG  
Vectolex FG  
Vectolex WDG

## **Spinosad**

Natular G  
Natular G30  
Natular XRG  
Natular 2EC

## **Mosquitoes - Adulticides**

### **Natural Pyrethrins**

Pyrenone 25-5  
Pyrocide 7396  
Pyrocide 7067

### **Synthetic Pyrethroids**

Scourge

### **Synergists**

Piperonyl Butoxide

## **Other Insecticides**

Drione  
Delta Dust  
EcoPCO DX  
Essentria D

## **Rodenticides**

ContraC  
Ditrac  
Terrad3

## Area To Be Adulticided: None at this time.

[CLICK HERE](#) for information regarding Current Virus Activity in Contra Costa County.

### Adult Mosquito Spraying FAQ

#### Q. What will trigger spraying?

A. If West Nile virus is detected in the community or there are high numbers of mosquitoes in an area, the District's initial response will be to intensify its efforts to reduce mosquito breeding sites and increase its levels of larviciding in those areas in which West Nile virus has been found. Reducing the adult mosquito population with pesticides (adulticides) registered by the US Environmental Protection Agency (EPA) will be done if necessary to prevent human illness or to suppress a heavy infestation of mosquitoes. The decision to spray, either by truck mounted sprayers or by aircraft, will be based on surveillance information or the documentation of West Nile virus activity at a level that indicates a threat to human health. Spraying will be concentrated in areas most at risk for disease occurrence and will be conducted by certified and licensed applicators. The District's aggressive campaign against mosquito larvae is intended to minimize the need to use adulticides.

#### Q. What pesticides will you use?

A. When necessary, our District may use ground and aerial application of pesticides to kill mosquitoes that pose a health risk to the residents of Contra Costa County. In the case of adulticiding, or targeting adult mosquitoes, we would use botanical insecticides (plant derived compounds) or synthetic versions of, that include pyrethrins and synthetic pyrethroids, as well as piperonyl butoxide. In an emergency situation, we may use malathion or sumithrin. All of the products we use are registered with the Environmental Protection Agency and applied according to label directions by our trained and certified technicians. [Click here for more information on pesticides used in adult mosquito control.](#)

#### Q. What risks are there to the residents of Contra Costa County?

A. The risks to the public and to the environment are very low. Mosquito adulticides are applied as ultra-low volume (ULV) sprays. ULV applications involve small quantities of active ingredient in relation to the size of the area treated, typically less than 2 ounces per acre, which minimizes exposure and risk to people and the environment.

#### Q. Where will the spraying take place?

A. The spraying will take place in areas of concern, as determined by our mosquito and disease surveillance programs. Our trained and certified technicians use a variety of surveillance techniques and treatment criteria to ensure effective mosquito control with the least amount of risk to our residents and our environment.

#### Q. What are the risks to the environment?

A. The risks to the public and to the environment are very low. Mosquito adulticides are applied as ultra-low volume (ULV) sprays. ULV applications involve small quantities of active ingredient in relation to the size of the area treated, typically less than 2 ounces per acre, which minimizes exposure and risk to people and the environment.

#### Q. Are the insecticides exclusive to West Nile?

A. No. The pesticides we use target a variety of mosquitoes than can transmit West Nile virus as well as other diseases.

- \* Spray Notifications
- \* Online Newsletters
- \* News and Media Releases

Sign Up

Free email notifications. Opt in and out at any time.

**Q. Should I Take Steps to Reduce Exposure to Pesticides During Mosquito Control Spraying?**

A. Generally, there is no need to relocate during mosquito control spraying. The pesticides have been evaluated for this use and found to pose minimal risks to human health and the environment when used according to label directions. All of the products we use are registered with the Environmental Protection Agency for controlling mosquitoes and protecting the public.

**Although mosquito control pesticides pose very low risks, some people may prefer to avoid or even further minimize exposure. People who suffer from chemical sensitivities or feel spraying may aggravate a preexisting health condition may:**

- Consult their physician or local health department and take special measures to avoid exposure.
- Close windows and turn off window-unit air conditioners when spraying is taking place in the immediate area.

**Q. How Can I Learn About Spraying Events?**

- [Sign up for our adult mosquito fogging notification service](#) or visit this website for announcements about spraying. Pay attention to the local media for announcements about spraying and remain indoors during applications in the immediate area.

# MOSQUITO REDUCTION

## Best Management Practices Implementation Policies



CONTRA COSTA  
**MOSQUITO  
& VECTOR  
CONTROL**  
DISTRICT



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## MOSQUITO REDUCTION BEST MANAGEMENT PRACTICES

### Implementation Policies

The Contra Costa Mosquito and Vector Control District (District) recognizes that certain land management practices can reduce mosquito populations thereby reducing long-term mosquito treatment costs, reducing the amount of pesticides used in mosquito control operations, helping to protect public health, and contributing to the District's Integrated Vector Management (IVM) approach to mosquito and vector control.

Integrated Vector Management is an approach that focuses on site-specific, scientifically sound decisions to manage pest populations by matching a wide variety of techniques with the conditions found on site. These techniques are commonly grouped into four categories:

1. Source reduction or physical control – environmental manipulation that results in a reduction of mosquito development sites
2. Biological Control – use of biological agents to limit larval mosquito populations
3. Chemical Control – larvicides (materials that kill immature larval mosquitoes) and adulticides (materials that kill adult mosquitoes)
4. Cultural Control – change the behavior of people so that their actions prevent the development of mosquitoes or the transmission of vector – borne disease.

Through the adoption of these policies and procedures, the District would like to enhance clarity of its efforts to effectively control mosquitoes by physical, cultural, and biological means. To this end, the District has included in this document guidelines for land-management practices that provide

landowners and land managers an opportunity to address any land-based mosquito problems as they may be identified from time to time by the District.

The Mosquito Reduction Best Management Practices (BMPs) referred to in this document are the recommended land management practices that can, in certain situations, provide a reduction in mosquito populations by a variety of means including: reducing or eliminating breeding areas, increasing the efficacy of biological controls, increasing the efficacy of chemical controls, and improving access for control operations. These BMPs have been circulated among representatives of stakeholder groups including landowners, land managers, regulatory agencies, and other interest groups. As a result of the comments and suggestions received from this process, the District believes it has a good understanding of practical and appropriate BMPs for a variety of land uses that exist in Contra Costa County. Not all BMPs included in this document will apply equally to all mosquito sources; however the BMPs listed serve as a starting point in the cooperative development of site-specific BMP implementation plans that will address particular mosquito sources.

The District intends to encourage those responsible for significant mosquito sources on their property to develop and implement a Mosquito Reduction BMP plan in cooperation with the District to avoid the need for formal enforcement actions authorized under the California Health and Safety Code (HSC)\*. While in some situations, the District must employ the California Health and Safety Code in order to ensure safe conditions and to carry out its

\*Under the California Health and Safety Code, mosquito and vector control districts may legally abate a public nuisance defined as "Any water that is a breeding place for vectors" and "Any activity that supports the development, attraction, or harborage of vectors, or that facilitates the introduction or spread of vectors." (HSC §2002(J)). Abatement can result in civil penalties of up to \$1000.00 per day (HSC §2085(a), §2061).

public responsibilities; it has been the District's experience that a cooperative approach provides more effective and long-lasting mosquito management.

The Mosquito Reduction BMP Implementation Policies are designed to address mosquito breeding sources including, but not limited to: managed wetlands, irrigated pastures, duck clubs, agricultural ditches, stormwater structures, wastewater facilities, residential properties, and cemeteries. Many of these sources produce significant mosquitoes due to management practices that promote breeding habitat or harborage areas for mosquitoes.

While it is generally accepted that mosquito production from all sources may be reduced through the widespread implementation of Mosquito Reduction BMPs, these policies specifically target the most severe mosquito problems with the greatest likelihood of responding through the use of BMPs. These sources are defined as Significant Mosquito Sources, and will be addressed according to the following policies and procedures. For those properties with mosquito sources that do not fit the definition of Significant Mosquito Source, the BMPs offer an opportunity to proactively address mosquito problems to prevent them from becoming significant.

In cases where the implementation of Mosquito Reduction BMPs would cause economic hardship or cause technical difficulties, the District may choose to offer assistance in the form of equipment, labor, technical advice, or other resources. The level of assistance offered will be determined on a case by case basis.

### **Significant Mosquito Sources**

Significant Mosquito Sources will be identified based on any of the following criteria:

- Mosquito production from the significant source is more than comparable land uses, and exceeds treatment thresholds.
- Treatment costs incurred by the District are increased due to problems caused by management practices.
- The significant source is in close proximity to areas of significant population density.
- BMPs exist to address the land management practices and can be reasonably utilized to reduce mosquito production.

If left untreated, a Significant Mosquito Source would be considered a public nuisance as defined in the California Health and Safety Code (HSC) §2002(j).

A combination of larval dip data and adult mosquito surveillance data will be used determine the pre and post BMP implementation mosquito abundance for a particular property or mosquito source. In cases where existing data or current sampling methods are not sufficient to detect the efficacy of a particular BMP, a specific monitoring plan will be established to meet the needs of the particular property or mosquito source.

Management practices that would contribute to increased mosquito production include but are not limited to: poor water management, lack of emergent vegetation control, lack of effective refugia to maintain biological control populations (e.g. borrow pits), poor condition of water conveyance or drainage structures, practices that impede access to the source, and lack of notification of practices that would effect mosquito control operations.

Other factors such as treatment costs, proximity to population centers, vector-borne disease status, mosquito species produced, and the efficacy of available treatment options will be considered when evaluating a Significant Mosquito Source as defined above. Those sources that are determined to have the highest potential for mosquito reduction from the implementation of BMPs and



are adjacent to population centers of reasonably high density will be selected for inclusion into the BMP compliance program.

### **BMP Implementation Plan**

Once the District has identified a Significant Mosquito source, it will present a draft BMP Implementation Plan to the responsible party, in consultation with state and federal biologists if appropriate, proposing a course of action based on one or more BMPs that if implemented can reduce or eliminate the mosquito breeding sources.

This draft BMP Implementation Plan will contain at least the following:

- Justification for requested actions
- Description of the proposed BMPs including specific guidance regarding method and timing of implementation.
- Available District resource available to assist with BMP Implementation
- Assessment method

The responsible party will have the opportunity to review and comment on the draft plan. Reasonable adjustments may be negotiated between the responsible party and the District to achieve a mutually agreeable plan. A reasonable time limit will be set at the beginning of the negotiation phase at which time the District will finalize any unresolved issues at its discretion. This time limit may be extended if all parties agree that there is reasonable cause to do so.

If the responsible party is unwilling to accept the terms of this cooperative process, the District may be forced to pursue an enforcement process including abatement.

### **Charges for Treatment Costs**

The District is authorized by the HSC to recover treatment costs for mosquito control operations. Since most treated properties in the District pay for a base level of mosquito control through the payment of Property Taxes, the District would consider charging for treatment cost that are above and beyond the normal level of treatment required by a similar mosquito source with a similar land use. Since one of the goals of the BMP Policies is to reduce pesticide use in the District, the District would only consider accepting charges for additional treatment in lieu of BMPs on a case-by-case basis for a limited period of time. As new BMPs are developed and efficacy of existing BMPs is studied further, the expectation would be that the charge for treatment portions of the Cooperative Agreements would be replaced by non-pesticide based long-term mosquito management plans.

### **Appeal Process**

The responsible party may submit comments in writing to the Board of Trustees of the District before the implementation deadline indicated on the Draft BMP Implementation Plan presented to the responsible party in Step #2 on Figure 1. After review, the Board will issue a determination which may include no change in the content of the Draft BMP Implementation Plan, an extension of the implementation deadline, a waiver of fees, or other appropriate action.

If the responsible party is a state agency, appeals may be made to the State Department of Health Services pursuant to the California Health and Safety Code.



## BMP IMPLEMENTATION PROCESS FOR SIGNIFICANT MOSQUITO SOURCES

The following items are a generally chronological progression of the Mosquito Reduction BMP Compliance Program actions after a Significant Mosquito Source is identified.

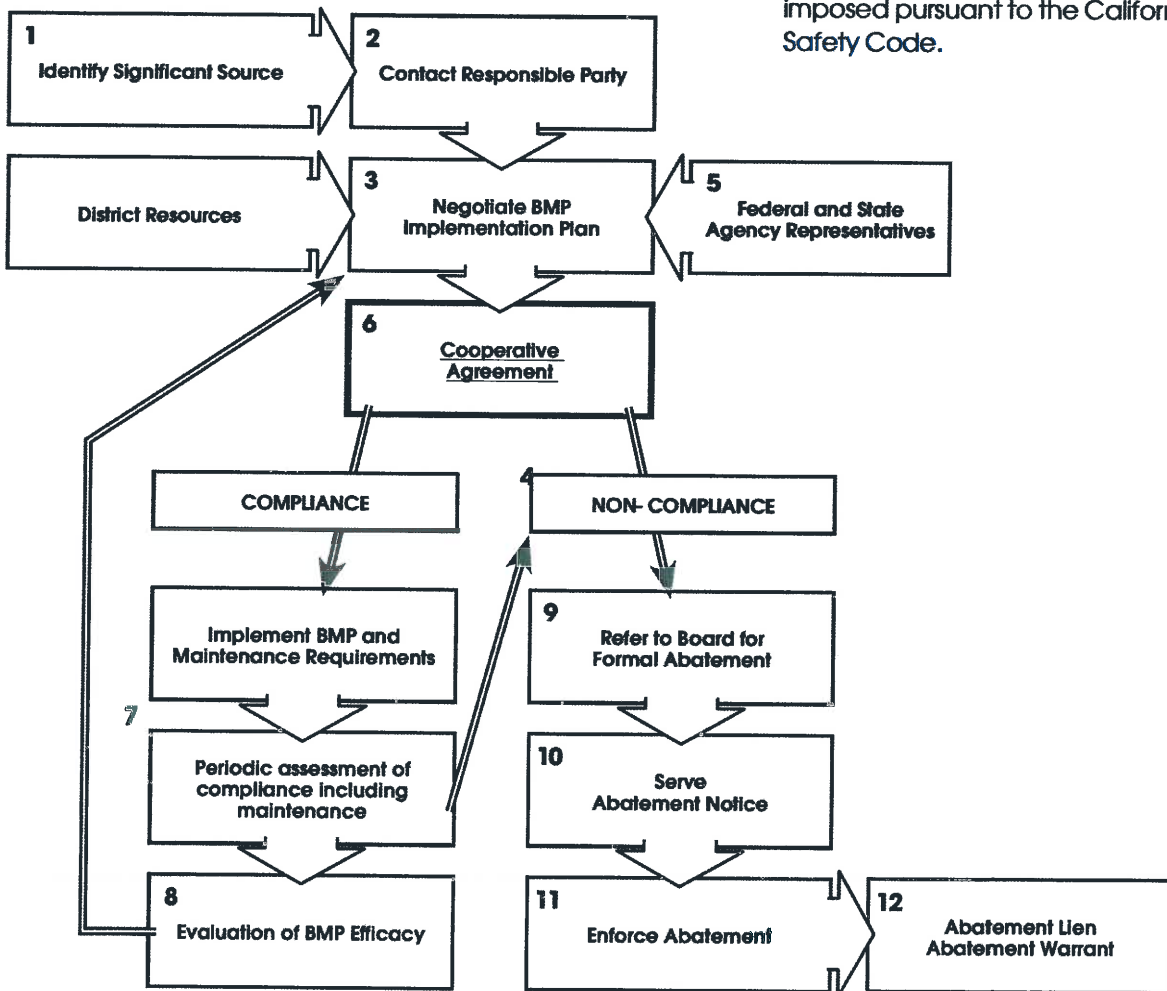
**NOTE:** The numbered items correspond to the numbers on Figure 1 (Page 5).

1. **Identify a Significant Mosquito Source** – The District’s staff will identify Significant Mosquito Sources based on the previously defined criteria.
2. **Contact Responsible Party** – The District’s staff will contact the responsible party (as defined in HSC §2060) of properties in the District that have been identified as significant mosquito sources, that if untreated would become a public nuisance (under HSC §2060). Staff will also contact state and federal agencies that have an underlying interest in the property, including a conservation easement, habitat management plan, or other habitat maintenance agreement. A draft BMP Implementation Plan which will include an explanation of why the site was determined to be a significant mosquito source, including mosquito surveillance data if requested, will be provided to the responsible parties.
3. **Negotiate BMP Implementation Plan** – District staff will work with the responsible party to try to achieve a mutually agreeable course of action to address the mosquito source including specific BMPs, implementation timeline, maintenance requirements, and monitoring plan. A defined negotiation period will be designated at the start of the negotiations.
4. **Additional Resources** – At the discretion of the District, resources may be made available to assist in complying with the BMP requirements. In the case where District resources are used, specific maintenance requirements may be included in the Cooperative Agreement Document and will be signed by the responsible party and the District. This Agreement will contain the name of the responsible party, location of the property, description of the work to be done, the cost of the work, if any, to be paid by the responsible party, and requirements for maintenance to be performed by the responsible party. In some cases, such as maintaining access to dairy sumps by regular mowing, the District will use a Vegetation Control Agreement to establish a long-term contract with each dairy operator. This agreement shall be subject to the same requirements as any other agreement covered by these policies.
5. **Coordinate with other regulatory agencies** – Other local, state, federal, and conservation agencies will be brought into the negotiation process to avoid or address any potential regulatory conflicts with the draft BMP Implementation Plan.
6. **Cooperative Agreement** – The cooperative agreement will formalize the relationship between the District and the responsible party holding both to the terms agreed upon in the BMP Implementation Plan. This document will also outline the consequences of non-compliance with the BMP Implementation Plan under the California Health and Safety Code.
7. **Implementation and Monitoring** – After successful implementation of the requirements, regular inspections of the property will be conducted to assess the responsible party’s continued maintenance and compliance with the BMPs. The District reserves the right to re-negotiate the BMP Implementation Plan if it is discovered that adequate mosquito control is not being achieved. In this case, the process would return to Step 2. As long as the responsible party is in compliance with the terms of the Cooperative Agreement, no additional charges or penalties will be assessed by the District.

- 8. **Evaluation of BMP Efficacy** – An effective mosquito management plan requires regular assessment and adaptive management to address changing conditions or unforeseen effects. The District will evaluate each BMP Implementation plan to determine if the BMPs are meeting the needs of both the responsible party and the District. Based on this evaluation, either party may initiate a review of the BMP implementation plan pursuant to the terms of the Cooperative Agreement.
- 9. **Abatement Process** – If the responsible party does not take corrective action or does not provide a reasonable explanation for the continued lack of compliance with the Cooperative agreement, the case may be brought to the District Board of Trustees to begin the Formal Abatement process as defined in HSC §2061.

- 10. **Serve Abatement Notice** – Under the direction of the District Board of Trustees, the responsible party will be served an abatement notice directing them to comply with the Cooperative Agreement within the specified timeframe. Civil penalties of up to \$1000 per day will be imposed for non-compliance pursuant to §2061 and §2063 of the California Health and Safety Code
- 11. **Enforce Abatement** – Under the direction of the District Board of Trustees, civil penalties and treatment costs not paid within 60 days will be collected “at the same time and in the same manner as ordinary county taxes...and shall be subject to the same procedure and sale in case of delinquency as are provided for ordinary county taxes.” HSC §2065(b).
- 12. **Additional Abatement Actions** – Under the direction of the District Board of Trustees, and/or manager, other measures such as an abatement warrant or abatement lien may be imposed pursuant to the California Health and Safety Code.

Figure 1: **BMP Compliance Program Flowchart**



## BASIC MOSQUITO BIOLOGY

There are over 50 different species of mosquito in California. Fortunately, only a handful are of significant concern in our area. It is important to realize that each species of mosquito has different habitat requirements and behaviors that affect its ability to transmit disease, bite humans, and be controlled by a specific BMP.

All mosquitoes share a similar life cycle with an aquatic stage (larvae) and an aerial stage (adult). Nearly all mosquito reduction best management practices (BMPs) focus on managing the aquatic stage of the mosquito by creating the conditions less favorable for mosquito development. This usually involves manipulating the amount or timing of standing water, decreasing the amount of vegetation in and around the standing water, and creating a situation where natural or introduced predators can consume the mosquito larvae. Since each species of mosquito has slightly different habitat requirements, it is important to understand which mosquitoes favor which habitats to realize how a particular BMP is designed to work.

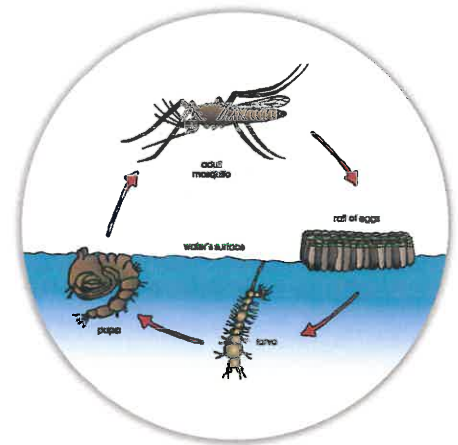
To understand BMPs it is useful to think of mosquitoes as belonging to one of the following three categories. Examples of common species within each category follow.

### 1. STANDING-WATER MOSQUITOES

prefer still water commonly found in ponds, unmaintained swimming pools, rice fields, puddles, etc.

*Common Mosquito Reduction BMPs:*

- a. Drain standing water.
- b. Reduce or eliminate emergent vegetation in and along the edges of the water.
- c. Hold water level constant to encourage natural predators or biological control agents (e.g. mosquitofish).
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.



**2. FLOODWATER MOSQUITOES** commonly lay their eggs in moist soil. When they become submerged as in a seasonal wetland or irrigated pasture, the eggs hatch.

*Common Mosquito Reduction BMPs:*

- a. Flood when air temperatures do not encourage rapid mosquito development (e.g. late fall rather than summer).
- b. Reduce or eliminate emergent vegetation by disking or mowing.
- c. Flood quickly to encourage all eggs to hatch at once and minimize the need for multiple larvicide applications.
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.

**3. CONTAINER MOSQUITOES** prefer contained areas of water such as tree holes, buckets, tires, etc. Some standing water mosquitoes will also develop in containers such as the House Mosquito (*Culex pipiens*).

*Common Mosquito Reduction BMPs:*

- a. Drain containers of standing water.
- b. Cover, overturn, or create drainage holes that prevent standing water in the container.
- c. Identify and prevent sprinklers or other water from refilling containers.
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.



## STANDING–WATER MOSQUITOES

### ENCEPHALITIS MOSQUITO (*Culex tarsalis*)

The Encephalitis Mosquito can transmit encephalitis viruses to humans. It has been known to transmit West Nile virus, Western Equine Encephalomyelitis virus and St. Louis encephalitis virus. The Encephalitis Mosquito can be found throughout Contra Costa county. Immature mosquitoes develop in wetlands, duck clubs, channels, artificial containers and swimming pools. The adult mosquito prefers to feed on birds and mammals. It is most active during summer and fall.



ENCEPHALITIS MOSQUITO  
(*Culex tarsalis*)  
Photo by James Gathany, CDC

### NORTHERN HOUSE MOSQUITO (*Culex pipiens*)

The Northern House Mosquito has been known to transmit West Nile virus and St. Louis encephalitis virus. It is common throughout Contra Costa county. Immature mosquitoes often develop in foul water sources such as dairy lagoons, storm drains, unmaintained swimming pools, cemetery vases and other containers. It prefers to feed on birds but will readily feed on humans. This mosquito is most active during the summer and fall.



NORTHERN HOUSE MOSQUITO  
(*Culex pipiens*)  
Photo by M.J. Higgins

### WESTERN MALARIA MOSQUITO (*Anopheles freeborni*)

*Anopheles freeborni* can transmit the malaria parasite to humans. It is common in rice growing regions of California. Immature stages develop in rice fields, wetlands, duck clubs and rain pools. While malaria does not normally occur in California anymore, this mosquito allows the potential for local outbreaks of malaria if a person gets infected elsewhere, and then is bitten by a local *Anopheles* mosquito.



WESTERN MALARIA MOSQUITO  
(*Anopheles freeborni*)  
Photo by James Gathany, CDC



## FLOODWATER MOSQUITOES

### WETLANDS MOSQUITO (*Aedes melanimon*)

*Aedes melanimon* is involved in the encephalitis transmission cycle and is a severe outdoor pest. It is common in Contra Costa county. This mosquito develops in wetlands, duck clubs and irrigated pastures. It prefers to feed on mammals. It is most active during the fall and spring.



WETLANDS MOSQUITO  
(*Aedes melanimon*)

### INLAND FLOODWATER MOSQUITO (*Aedes vexans*)

This mosquito is a secondary vector for dog heartworm and is a severe outdoor pest. It is common in irrigated pastures and in woodland water course pools. They feed primarily on mammals. This mosquito is most active in early spring through late fall. They typically blood feed at dawn and dusk, but may also be active during the day.



INLAND FLOODWATER MOSQUITO  
(*Aedes vexans*)

## CONTAINER MOSQUITOES

### WESTERN TREEHOLE MOSQUITO (*Aedes sierrensis*)

This mosquito can transmit the dog heartworm parasite (*Dirofilaria immitis*), and is a severe outdoor pest. The western treehole mosquito is common in oak woodlands. Immature stages develop in tree rot holes. Female adults feed primarily on mammals, and are most active during late winter through early spring.



WESTERN TREEHOLE MOSQUITO  
(*Aedes sierrensis*)

### ASIAN TIGER Mosquito (*Aedes albopictus*)

This species of mosquito has not established in California yet, but is an aggressive exotic species that has invaded the eastern and southern US. Over the past 10 years there have been several cases where this mosquito was found in cargo containers in port areas in Los Angeles and San Francisco. This container breeding species is a potential vector for various vector-borne diseases such as Rift Valley Fever, Chikungunya Virus, Dengue Fever, and Yellow Fever. Should *Aedes albopictus* become established in California, the need for effective mosquito control practices will be even more important to protect public health.



ASIAN TIGER MOSQUITO  
(*Aedes albopictus*)

## AGRICULTURAL IRRIGATION AND DRAINAGE

Potential mosquito sources associate with agricultural irrigation and drainage include: blocked or overgrown ditches, low areas in fields, over-irrigation resulting in surface runoff, seepage, and irrigated pastures. Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from agricultural operations.

The District acknowledges that cultural practices vary among growers, locations, and conventional or organic production methods. The Best Management Practices for Mosquito Reduction below try to balance the economic and agronomic requirements of the growers and land owners with the need for effective mosquito control. The District is committed to working with growers to implement mosquito control practices that coordinate with agricultural practices and minimize the impact on the economics or yields of the crop.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

### General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

### Specific Mosquito Reduction BMPs

#### Ditches and Drains

1. Construct or improve ditches with at least 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth. Other designs may be approved by the MVCD based on special circumstances.
2. Keep ditches clean and well-maintained. Periodically remove accumulated sediment and vegetation. Maintain ditch grade to prevent areas of standing water.
3. Design irrigation systems to use water efficiently and drain completely to avoid standing water.

#### Irrigated Pastures

1. Grade field to achieve efficient use of irrigation water. Use NRCS guidelines for irrigated pastures. Initial laser leveling and periodic maintenance to repair damaged areas are needed to maintain efficient water flow (Lanzaro and Lawler, 2005).
2. Irrigate only as frequently as is needed to maintain proper soil moisture. Check soil moisture regularly until you know how your pasture behaves (Lanzaro and Lawler, 2005).
3. Do not over fertilize. Excess fertilizers can leach into irrigation tail water, making mosquito production more likely in ditches or further downstream (Lanzaro and Lawler, 2005).
4. Apply only enough water to wet the soil to the depth of rooting (Lanzaro and Lawler, 2005).

5. Drain excess water from the pasture within 24 hours following each irrigation. This prevents scalding and reduces the number of weeds in the pasture. Good check slopes are needed to achieve drainage. A drainage ditch may be used to remove water from the lower end of the field (Lanzaro and Lawler, 2005).
6. Inspect fields for drainage and broken checks to see whether re-leveling or reconstruction of levees is needed. Small low areas that hold water can be filled and replanted by hand. Broken checks create cross-leakage that provide habitat for mosquitoes (Lanzaro and Lawler, 2005).
7. Keep animals off the pasture while the soil is soft. An ideal mosquito habitat is created in irrigated pastures when water collects in hoof prints of livestock that were run on wet fields or left in the field during irrigation. Keeping animals off wet fields until soils stiffen also protects the roots of the forage crop and prevents soil compaction that interferes with plant growth (Lanzaro and Lawler, 2005).
8. Break up pastures into a number of smaller fields so that the animals can be rotated from one field to another. This allows fields to dry between irrigations and provides a sufficient growth period between grazings. It also prevents hoof damage (pugging), increases production from irrigated pastures, and helps improve water penetration into the soil by promoting a better root system (Lanzaro and Lawler, 2005).

## DAIRIES

Potential mosquito sources in dairies include: wastewater lagoons, washing areas, drain ditches, sumps, watering troughs, and irrigated pastures and crops. Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from agricultural operations.

The Contra Costa Mosquito and Vector Control District (District) acknowledges that dairy practices vary; however, these practices need to take into account mosquito and vector control issues. The Best Management Practices for Mosquito Reduction below offer options to balance the requirements of the dairy operators with the need for effective mosquito control. The District is committed to working with dairy operators to implement mosquito control practices that are effective and have the least possible impact on the economics and operation of the dairy.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

### General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

### Specific Mosquito Reduction BMPs

1. Wastewater holding ponds should not exceed 150' in width.
2. All holding ponds should be surrounded by lanes of adequate width to allow safe passage of vector control equipment. This includes keeping the lanes clear of any materials or equipment (e.g. trees, calf pens, hay stacks, silage, tires, equipment, etc.).
3. If fencing is used around the holding ponds, it should be placed on the outside of the lanes with gates provided for vehicle access.
4. All interior banks of the holding ponds should have a grade of at least 2:1.
5. An effective solids separation system should be utilized such as a mechanical separator or two or more solids separator ponds. If ponds are used, they should not exceed sixty feet in surface width.



6. Drainage lines should never by-pass the separator ponds, except those that provide for normal corral run-off and do not contain solids. All drain inlets must be sufficiently graded to prevent solids accumulation.
7. Floating debris should be eliminated on all ponds; mechanical agitators may be used to break up crusts.
8. Vegetation should be controlled regularly to prevent emergent vegetation and barriers to access. This includes access lanes, interior pond embankments and any weed growth that might become established within the pond surface.
9. Dairy wastewater discharged for irrigation purposes should be managed so that it does not stand for more than three days.
10. All structures and water management practices should meet current California Regional Water Quality Control Board requirements (Creedon, 2006).
11. Tire sidewalls or other objects that will not hold water should be used to hold down tarps (e.g. on silage piles). Whole tires or other water-holding objects should be replaced.

## RICE FIELDS

The nature of rice culture creates an environment that may produce significant numbers of mosquitoes. It is our goal to work cooperatively with growers and land owners to provide the level of mosquito control necessary to help protect public health, reduce vector and nuisance mosquito levels, minimize the need for chemical control, and utilize public funds in the most efficient manner.

Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from rice fields. Contra Costa Mosquito and Vector Control District (District) acknowledges that cultural practices vary among growers, locations, and conventional or organic production methods. The Best Management Practices for Mosquito Reduction below try to balance the economic and agronomic requirements of the growers and land owners with the need for effective mosquito control. The District is committed to continue working with growers, the California Rice Commission and other groups to develop and implement mosquito control practices that coordinate with standard rice production practices, and minimize the impact on the economics or yields of the crop.

The need for close cooperation is important with all rice growers, but is especially important with growers who produce organic rice. At this time, there is only one available mosquito larvicide for organic rice which leaves biological control (mosquito fish), physical control (weed control) and cultural control (water management) as the only remaining mosquito management tools. Because proper timing and planning is essential for an effective IPM program, the District asks organic rice growers for an added level of commitment to addressing mosquito control issues in a cooperative manner.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

### General Principles for all Rice

1. Wherever feasible, maintain stable water level during mosquito season by ensuring constant flow of water into pond or rice field to reduce water fluctuation due to evaporation, transpiration, outflow, and seepage (Lanzaro and Lawler, 2005).
2. Inspect and repair levees to minimize seepage (Lanzaro and Lawler, 2005; Lawler, 2005).
3. Drain & eliminate borrow pits and seepage areas external to the fields (Lanzaro and Lawler, 2005; Lawler, 2005).
4. Wherever feasible, maintain at least 4"–6" of water in the rice field after rice seedlings have begun to stand upright. Planned drainages should be coordinated with the District. If an unplanned drainage is necessary, notify the District as soon as possible to coordinate restocking of mosquito fish or to use alternative mosquito control measures
5. Wherever feasible, maintain vegetation on the outer-most portions of field levees and checks, specifically where they interface with standing water (Lanzaro and Lawler, 2005; Lawler, 2005).
6. Control algae and weed growth as effectively as possible (Lawler, 2005).

7. Communicate frequently with your county mosquito control officials regarding your crop management activities. For example: Draw-down of water levels, except drainage for harvest; Any drainage of fields to fallow fields; Initiation of post-harvest flooding for straw management or habitat objectives.
8. Design fields with sufficient borrow pits along each internal levee to promote efficient drainage, and provide refuge for mosquito fish during low water.

## **Specific Mosquito Reduction BMPs**

### **Conventional Rice Production**

9. Notify MVCD prior to any pyrethroid insecticide applications to rice fields stocked with mosquito fish. The pyrethroid insecticides that can be applied to rice fields include lambda cyhalothrin (Warrior® Insecticide, Karate® Insecticide) or s-cypermethrin (Mustang® Insecticide) (Lanzaro and Lawler, 2005; Lawler, 2005).

### **Organic Rice Production**

10. Wherever feasible, maintain borrow pits (12"– 18" deep) on both sides of each check throughout rice fields to provide refuge for mosquito fish during low water periods.

## STORMWATER STRUCTURES

Properly implemented and maintained best management practices for mosquito reduction will prevent excessive mosquito populations from being produced from your property and facilities. If your facility has been identified as a significant mosquito source we will work with you to design a course of action based on the following best management practices that will reduce or eliminate the mosquito breeding problem.

It is the goal of the Contra Costa Mosquito and Vector Control District (District) to work cooperatively with those responsible for the design, maintenance and management of stormwater and wastewater systems to achieve the level of mosquito control necessary to protect public health, minimize the need for chemical control, and utilize public funds in the most efficient manner. There may be cases where the mosquito control objectives conflict with the objectives of the managing agency or landowner. In these cases, we will try to develop a workable compromise that balances both parties' needs.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

### General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation or surface debris in the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

### Specific Mosquito Reduction BMPs

#### Above Ground Structures

1. Build shoreline perimeters as steep and uniform as practicable to discourage dense plant growth (Metzger, 2004).
2. Whenever possible, maintain stormwater ponds and wetlands at depths in excess of 4 feet (1.2 m) to limit the spread of invasive emergent vegetation such as cattails (*Typha* spp.) (Kwasny et. al., 2004; Metzger, 2004).
3. Eliminate floating vegetation conducive to mosquito production (e.g., water hyacinth *Eichhornia* spp., duckweed *Lemna* and *Spirodela* spp., and filamentous algal mats) (Metzger, 2004).
4. Perform routine maintenance to reduce emergent plant densities to facilitate the ability of mosquito predators (i.e., fish) to move throughout vegetated areas (Metzger, 2004).
5. Make shorelines accessible to maintenance and vector control crews for periodic maintenance, control, and removal of emergent vegetation, as well as for routine mosquito monitoring and abatement procedures, if necessary (Metzger, 2004).
6. Design and obtain necessary approvals for all stormwater ponds and wetlands to allow for complete draining when needed (Metzger, 2004).
7. The effective swath width of most backpack or truck-mounted larvicide sprayers is approximately 20 feet (6 m) on a windless day. Because of these equipment limitations, all-weather road access (with provisions for turning a full-size work vehicle) should be provided along at least one side of large above-ground structures that are less than 25 feet (7.5 m) wide (Metzger, 2004).



8. Access roads should be built as close to the shoreline as possible. Vegetation or other obstacles should not be permitted between the access road and the stormwater treatment device that might obstruct the path of larvicides to the water (Metzger, 2004).
  9. Vegetation should be controlled (by removal, thinning, or mowing) periodically to prevent barriers to access (Metzger, 2004).
  10. Design structures so they do not hold standing water for more than 72 hours. Special attention to groundwater depth is essential (Metzger, 2004).
  11. Use the hydraulic grade line of the site to select a treatment BMP that allows water to flow by gravity through the structure. Pumps are not recommended because they are subject to failure and often require sumps that hold water (Metzger, 2004).
  12. Avoid the use of loose riprap or concrete depressions that may hold standing water (Metzger, 2004).
  13. Avoid barriers, diversions, or flow spreaders that may retain standing water (Metzger, 2004).
  14. Use concrete or liners in shallow areas to discourage unwanted plant growth where vegetation is not necessary (Metzger, 2004).
  15. Where feasible, compartmentalize managed treatment wetlands so that the maximum width of ponds does not exceed two times the effective distance (40 feet (12 m)) of land-based application technologies for mosquito control agents (Walton, 2003).
  16. Incorporate features that prevent or reduce the possibility of clogged discharge orifices (e.g., debris screens). The use of weep holes is not recommended due to rapid clogging (Metzger, 2004).
  17. Design distribution piping and containment basins with adequate slopes to drain fully and prevent standing water. The design slope should take into consideration buildup of sediment between maintenance periods. Compaction during grading may also be needed to avoid slumping and settling (Metzger, 2004).
  18. Catch Basins, drop inlets, storm drains, and other structures originally designed to not hold water should be regularly checked and maintained to function as designed.
  19. Basins designed to be dry but remain wet should be corrected by retrofit, replacement, repair, or more frequent maintenance.
  20. Coordinate cleaning of catch basins, drop inlets, or storm drains with mosquito treatment operations.
  21. Enforce the prompt removal of silt screens installed during construction when no longer needed to protect water quality.
- Underground Structures (Sumps, vaults, drop inlets, catch basins)**
22. Completely seal structures that retain water permanently or longer than 72 hours to prevent entry of adult mosquitoes (Metzger, 2004).
  23. Stormwater structures utilizing covers should be tight fitting with maximum allowable gaps or 1/16 inch (2 mm) holes to exclude entry of adult mosquitoes (Metzger, 2004).
  24. If the sump, vault, or basin is sealed against mosquitoes, with the exception of the inlet and outlet, submerge the inlet and outlet completely to reduce the available surface area of water for mosquito egg-laying (female mosquitoes can fly through pipes) (Metzger, 2004).
  25. Design structures with the appropriate pumping, piping, valves, or other necessary equipment to allow for easy dewatering of the unit if necessary (Metzger, 2004).

## MANAGED WETLANDS

Properly implemented and maintained best management practices for mosquito reduction will prevent excessive mosquito populations from being produced from managed wetlands. If any part of the property or facilities has been identified as a Significant Mosquito Source, the District will work with you to design a course of action based on the following Mosquito Reduction BMPs that will reduce or eliminate the mosquito source.

The Contra Costa Mosquito and Vector Control District (District) acknowledges that management practices vary depending on the habitat, water quality, recreational, economic, and other management goals, and may be subject to additional regulations including state and federal conservation easements and management plans. The Best Management Practices for Mosquito Reduction attempt to balance the management goals of land managers, land owners, and other regulatory agencies with the need for effective mosquito control. The District is committed to working with wetland managers and state and federal agencies, to implement mosquito control practices in a cooperative manner.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

### General Principles

1. Prevent or eliminate unnecessary standing water (e.g. seepage areas, leaks, poor water management) that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance, assistance in implementing mosquito reduction BMPs, or to coordinate flood-ups with mosquito control operations.

## Specific Mosquito Reduction BMPs Design and Maintenance

1. Maintain all open ditches by regularly removing trash, silt, and vegetation to maintain efficient water delivery and drainage (Kwasny et. al., 2004).
2. Provide reasonable access on existing roads and levees to allow mosquito abatement technician access for monitoring, abatement, and implementation of BMPs. Make shorelines of natural, agricultural, and constructed water bodies accessible to maintenance and vector control crews for periodic maintenance, control, and removal of emergent vegetation, as well as for routine mosquito monitoring and abatement procedures (Kwasny et. al., 2004).
3. Inspect, repair, and clean water control structures of debris. Remove silt and vegetation build-up in front of structures that impedes drainage or water flow. Completely close, board or mud-up controls to prevent unnecessary water flow, except where water circulation is necessary (Kwasny et. al., 2004).
4. Perform regular pump efficiency testing and make any necessary repairs to maximize output (Kwasny et. al., 2004).
5. Construct, improve, or maintain ditches with 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth (Kwasny et. al., 2004). Other designs may be approved by the District depending on special circumstances.
6. Construct, or improve, or maintain levees to quality standard that ensures stability and prevents unwanted seepage. Ideally build levees with >3:1 slopes & >80% compaction; consider >5:1 slope or greater in areas prone to over-land flooding and levee erosion (Kwasny et. al., 2004).
7. Ensure adequately sized water control structures are in place. Increase size and number of water control structures if necessary to allow for complete draw-down and rapid flooding (Kwasny et. al., 2004; Walton, 2003).
8. Inspect and repair levees at least annually (Kwasny et. al., 2004).
9. Design managed wetland projects to include independent inlets and outlets for each wetland unit (Kwasny et. al., 2004).
10. Construct or enhance swales so they are sloped from inlet to outlet and allow the majority of the wetland to be drawn down (Kwasny et. al., 2004).
11. Install cross-levees to facilitate more rapid irrigation and flood-up. Build "underwater" levees that isolate irrigation water during the spring, but can be overtopped during fall and winter flooding (Kwasny et. al., 2004).
12. Excavate deep channels or basins to maintain permanent water areas (> 2.5 feet deep) within a portion of seasonal managed wetlands. This provides year-round habitat for mosquito predators which can inoculate seasonal wetlands when they are irrigated or flooded (Kwasny et. al., 2004).
13. Maintain separate permanent water reservoir that conveys water to seasonal wetlands. Provides year-round habitat for mosquito predators which can inoculate seasonal wetlands when they are irrigated or flooded (Kwasny et. al., 2004).
14. Encourage populations of insectivorous birds (e.g swallows) and bats by preserving nesting and roosting areas (Kwasny et. al., 2004).

## Vegetation Management

15. Control floating vegetation conducive to mosquito production (i.e., water hyacinth, water primrose, parrot's feather *Eichhornia* spp., duckweed *Lemna* and *Spirodela* spp., and filamentous algal mats) (Metzger, 2004).
16. Perform routine maintenance to reduce problematic emergent plant densities to facilitate the ability of mosquito predators (i.e., fish) to move throughout vegetated areas, and allow good penetration of chemical control agents. (Kwasny et. al., 2004)



## Water Management

17. Maintain stable water level during mosquito season by ensuring constant flow of water into pond or wetland to reduce water fluctuation due to evaporation, transpiration, outflow, and seepage (Kwasny et. al., 2004; Walton, 2003).
18. Flood managed wetlands with water sources containing mosquito fish or other invertebrate predators. Water from permanent ponds can be used to passively introduce mosquito predators (Kwasny et. al., 2004).
19. Rapidly irrigate wetlands keeping the time water enters the pond to complete drawdown between 4 and 10 days (Kwasny et. al., 2004).
20. Extended duration irrigations (generally 14-17 days) may be considered for weed control (e.g. cocklebur). Additional measures to offset the potential for increased mosquito production may be needed.
21. Delay fall flooding to avoid increasing late-season mosquito production (Kwasny et. al., 2004).
22. Implement additional BMPs for wetlands that need to be flooded earlier than recommended in the fall. The wetlands targeted for early fall flooding should not be near urban centers and should not have a history of heavy mosquito production (Kwasny et. al., 2004).
23. Flood managed wetland unit as fast as possible. Coordinate flooding with neighbors or water district to maximize flood-up rate (Kwasny et. al., 2004).
24. Encourage water circulation by providing a constant flow of water equal to discharge at drain structure (Kwasny et. al., 2004).
25. Flood managed wetland as deep as possible at initial flood-up (18-24"). Shallow water levels can be maintained outside of the mosquito breeding season (Kwasny et. al., 2004).
26. Drain irrigation water into ditches or other water bodies with abundant mosquito predators. Prevent free flooding into fallow or dry fields (Kwasny et. al., 2004).
27. Use a flood-drain-flood regime to control floodwater mosquitoes. Flood wetland to hatch larvae in the pond. Drain wetland to borrow or other ditch where larvae can be easily treated, drowned in moving water, or consumed by predators. Immediately re-flood wetland. (Kwasny et. al., 2004). *Note: This water management regime should be used only when it does not conflict with water quality regulations*
28. Evaluate necessity of irrigation, especially multiple irrigations, based on spring habitat conditions and plant growth. Reduce number and duration of irrigations when feasible (Kwasny et. al., 2004).
29. Where feasible, draw-down managed wetland in late March or early April. Irrigate in late April or early May when weather is cooler and mosquitoes are less of a problem (Kwasny et. al., 2004).
30. Irrigate managed wetland before soil completely dries to prevent soil cracking between spring draw-down and irrigation (Kwasny et. al., 2004).
31. Stock managed wetlands, especially brood ponds or permanent wetlands, with mosquito-fish or encourage habitat for naturalized populations. Utilize water sources with mosquito-fish to passively transport predators to newly flooded habitats (Kwasny et. al., 2004).
32. Maintain permanent or semi-permanent water where mosquito predators can develop and be maintained. Discourage use of broad spectrum pesticides (Kwasny et. al., 2004).
33. Where feasible, have an emergency plan that provides for immediate drainage into acceptable areas if a public health emergency occurs (Walton, 2003).
34. Minimize fluctuations in water level to prevent large areas of intermittently flooded substrate or isolated pools from being created, particularly during mosquito season which can start as early as March and extend through October depending on weather (Kwasny et. al., 2004).



### **Coordination with District**

35. Consult with the District on agency-sponsored habitat management plans on private lands (e.g. Presley Program), and on the timing of wetland flooding on public and private lands – urge private landowners to do the same (Kwasny et. al., 2004).
36. Identify problem locations for mosquito production with the District and work to implement mosquito BMPs. Identify potential cost-share opportunities to implement BMPs (Kwasny et. al., 2004).
37. Consult with the District on the design of restoration and enhancement projects that have the possibility of effecting mosquito production or control operations (Kwasny et. al., 2004).

## URBAN AND SUBURBAN MOSQUITO SOURCES

### Common Mosquito Development Sites

- Un-maintained swimming pools and spas
- Decorative ponds and fountains
- Bird baths
- Water-filled containers
- Clogged rain gutters
- Poorly designed or damaged landscape irrigation systems
- Cemetery vases
- Koi ponds
- Stored or waste tires

### Common Mosquito Species

- Cleaner water sources: *Culex tarsalis*
- Water with more organic material: *Culex pipiens*

### Special Concerns

Urban and suburban mosquito sources are especially important because, sources may be in and around private residences which are not easily seen or accessed by control technicians and produce mosquitoes in areas of high population density. This can quickly lead to vector-borne disease transmission since the vector (mosquito) and host (human) are often in close proximity. Economic or social changes in a neighborhood can result in an increase in mosquito sources such as un-maintained swimming pools. Fortunately, many of the BMPs for residential areas are relatively inexpensive and easy to implement.

### General Mosquito Reduction Principles

1. Prevent or eliminate unnecessary standing water that remains for more than 72 -96 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

### Specific Mosquito Reduction BMPs

#### Residential Areas

1. Drain all containers of standing water, including pet dishes, wading pools, potted plant drip trays, boats, birdbaths, tires, and buckets, at least once a week during mosquito season. Keep in mind that mosquitoes can develop in as little as 1/8" of standing water.
2. Use an approved disinfection process (chlorine, bromine) to prevent mosquito breeding in swimming pools and spas. Use skimmers and filter systems to remove egg rafts and mosquito larvae.
3. If a pool or spa is not going to be maintained for any reason, do one of the following: 1) drain the pool or spa completely of any water (note that in-ground pools may be damaged by being completely drained. Above-ground pools and spas generally may be drained without damage), 2) notify the District so that the pool can be inspected regularly and treated with a larvicide and/or stocked with mosquito fish if needed.
4. Notify the District of any ponds (including ponds with ornamental fish such as koi or goldfish) with permanent or seasonally permanent water. Allow District technicians to inspect and periodically stock mosquitofish or guppies to biologically control mosquito larvae.

5. Landscape irrigation drainage should be managed such that no water stands for more than 72 hrs during mosquito breeding season (generally April-October).
6. All underground drain pipes should be laid to grade to avoid low areas that may hold water for longer than 72 hours.
7. Keep rain gutters clear of leaves and debris. Check for standing water in gutters after rain events during mosquito season.
8. Provide safe access for District technicians to all pools, spas, ponds, landscape irrigation structures, catch basins, storm drains, drainage pipes, sewer cleanouts, or any other potential mosquito breeding source.
9. Repair leaks or damaged drainage system components to prevent standing water for more than 72 hours during mosquito season.
10. Notify the District of any condition that may produce mosquitoes on the property such as flooding, broken pipe, damaged septic tank cover, leaking outdoor faucet if unable to be fixed or results in standing water for more than 72 hours during mosquito season.

## Tire Storage

1. Never allow water to accumulate in tires. Tires should be stored in a covered location or covered by a tarp in order to prevent the accumulation of water from rain, sprinklers, etc.
2. Tires should never be stored in a pile. Tires should be stored on racks or in a stack not more than two rows wide.
3. Tires should be stored in a manner that allows inspections of each individual tire.
4. Waste tires should be picked up by the proper disposal entity on a regular basis.
5. Those responsible for stored tires should inspect and dump out any water that may have accumulated inside tires on their premises on a weekly basis.

## Cemetery Flower Vases

1. Use a water-absorbing polymer material (super-absorbent polyacrylamide) which turn standing water into a gel. This eliminates the chance of mosquito development yet allows cut flowers to remain fresh.
2. Seek alternatives to in-ground or mounted flower vases which can hold water for 72-96 hours.
3. Dump out all vases weekly during the spring, summer, and fall.

---

## REFERENCES

- Creedon, P.E., Waste Discharge Requirements General Order for Existing Milk Cow Dairies (Tentative), Central Valley Region-CRWQCB, 2006.
- Kwasny, D.C., Wolder, Mike and Isola, Craig R., *Technical Guide to Best Management Practices for Mosquito Control in Managed Wetlands*, Central Valley Joint Venture, 2004, U.S. Bureau of Reclamation.
- Lanzaro, G.C., Lawler, S. P., *Managing Mosquitoes on the Farm*, 2005, UC ANR, Publication #8158.
- Lawler, S.P., *UC IPM Pest Management Guidelines: Rice*, 2005, UC ANR, Publication #8117.
- Metzger, M.E., *Managing Mosquitoes in Stormwater Treatment Devices*, 2004, UC ANR Publication #8125.
- Best Management Practices to Minimize Mosquito Breeding in Rice Fields*, in *Industry Guidance to California Rice Producers*. 2005, California Rice Commission. Note: Document expired Dec 2006.
- Walton, W.E., *Managing Mosquitoes in Surface Flow Constructed Treatment Wetlands*, 2003, UC ANR Publication #8117.



## **ABOUT CONTRA COSTA MOSQUITO & VECTOR CONTROL DISTRICT**

*Protecting Public Health Since 1927*

Early in the 1900s, Northern California suffered through epidemics of encephalitis and malaria, and severe outbreaks of saltwater mosquitoes. At times, parts of Contra Costa County were considered uninhabitable resulting in the closure of waterfront areas and schools during peak mosquito seasons. Recreational areas were abandoned and Realtors had trouble selling homes. The general economy suffered. As a result, residents established the Contra Costa Mosquito Abatement District which began service in 1927.

Today, the Contra Costa Mosquito and Vector Control District continues to protect public health with environmentally sound techniques, reliable and efficient services, as well as programs to combat emerging diseases, all while preserving and/or enhancing the environment.

### **FREE Services for Contra Costa County Residents**

**MOSQUITOES**  
*Inspection and control*

**TICKS**  
*Tick identification*

**MOSQUITOFISH**  
*Free for residential  
ponds*

**RATS AND MICE**  
*Inspection and advice*

**YELLOWJACKETS  
AND BEES**  
*Ground-nest and  
swarm control*

**SKUNKS**  
*Inspection and  
assistance*

**PUBLIC EDUCATION**  
*Literature and  
presentations*



**Scan.  
Learn.  
Stay Healthy.**

**Contra Costa Mosquito & Vector Control District**  
155 Mason Circle • Concord, CA 94520  
(925) 771-6172 office • (925) 685-0266 fax  
[www.ContraCostaMosquito.com](http://www.ContraCostaMosquito.com)





155 Mason Circle  
Concord, CA 94520  
phone (925) 685-9301  
fax (925) 685-0266  
[www.ccmvcd.dsf.ca.us](http://www.ccmvcd.dsf.ca.us)

**Date:** April 1, 2013

**TO:** Government Agencies in Contra Costa County

**SUBJECT: ANNUAL NOTICE OF INTENT TO APPLY PUBLIC HEALTH PESTICIDES FOR VECTOR CONTROL PURPOSES WITHIN AND ADJACENT TO CONTRA COSTA COUNTY**

1. Pursuant to the Statewide National Pollutant Discharge Elimination System Permit for Residual Pesticide Discharges to Waters of the United States from Vector Control Applications, as required under item VIII.B of the General Permit, it is the intent of the Contra Costa Mosquito & Vector Control District (CCMVCD) to apply pesticides in Contra Costa County.
2. A list of potential materials to be used are included. See attachment.
3. Mosquitoes are suppressed to protect the public from mosquito-borne diseases and pest mosquitoes.
4. Applications may occur anywhere in the county at any time of the year.
5. There are no known water use restrictions or precautions during treatment.
6. Interested persons may contact the district office at (925) 685-9301 to obtain additional information or visit our website [www.ContraCostaMosquito.com](http://www.ContraCostaMosquito.com)

*Protecting Public Health Since 1927*

**BOARD OF TRUSTEES**

**President** JEFF BENNETT Hercules • **Vice President** JIM PINCKNEY Contra Costa County • **Secretary** H. RICHARD MANK El Cerrito  
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Please see the following references regarding selection and use of pesticides in CCMVCD's program.

- a. Best Management Practices for Mosquito Control in California. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- b. California Mosquito-Borne Virus Surveillance & Response Plan. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- c. Operational Plan for Emergency Response to Mosquito-Borne Disease Outbreaks. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- d. Overview of Mosquito Control Practices in California. 2008. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- e. Epidemic/Epizootic West Nile Virus in the United States: Guidelines for Surveillance, Prevention and Control. 2003. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>
- f. Contra Costa Mosquito & Vector Control District Mosquito-Borne Virus Surveillance & Response Plan. 2006. [http://contracostamosquito.com/npdes\\_docs.htm](http://contracostamosquito.com/npdes_docs.htm)
- g. Pesticides and Public Health: Integrated Methods of Mosquito Management. 2001. U.S. Environmental Protection Agency <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631680/>

**ATTACHMENT A – LIST OF PERMITTED ADULTICIDE PRODUCTS**

<b>Product Name</b>	<b>EPA Registration No.</b>
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7395	1021-1570
Evergreen Crop Protection EC 60-6	1021-1770
Pyrenone Crop Spray	432-1033
Prentox Pyronyl Crop Spray	655-489
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7396	1021-1569
Aquahalt Water-Based Adulticide	1021-1803
Pyrocide Mosquito Adulticide 7453	1021-1803
Pyrenone 25-5 Public Health Insecticide	432-1050
Prentox Pyronyl Oil Concentrate #525	655-471
Prentox Pyronyl Oil Concentrate or 3610A	655-501
Permanone 31-66	432-1250
Kontrol 30-30 Concentrate	73748-5
Aqualuer 20-20	769-985
Aqua-Reslin	432-796
Aqua-Kontrol Concentrate	73748-1
Kontrol 4-4	73748-4
Biomist 4+12 ULV	8329-34
Permanone RTU 4%	432-1277
Prentox Perm-X UL 4-4	655-898
Allpro Evoluer 4-4 ULV	769-982
Biomist 4+4	8329-35
Kontrol 2-2	73748-3
Scourge Insecticide with Resmethrin/Piperonyl Butoxide 18%+54% MF Formula II	432-667
Scourge Insecticide with Resmethrin/Piperonyl Butoxide 4%+12% MF Formula II	432-716
Anvil 10+10 ULV	1021-1688
AquaANVIL Water-based Adulticide	1021-1807
Duet Dual-Action Adulticide	1021-1795
Anvil 2+2 ULV	1021-1687
Zenivex E20	2724-791
Trumpet EC Insecticide	5481-481
Fyfanon ULV Mosquito	67760-34

**ATTACHMENT B – LIST OF PERMITTED LARVICIDE PRODUCTS**

<b>Product Name</b>	<b>EPA Registration No.</b>
Vectolex CG Biological Larvicide	73049-20
Vectolex WDG Biological Larvicide	73049-57
Vectolex WSP Biological Larvicide	73049-20
Vectobac Technical Powder	73049-13
Vectobac-12 AS	73049-38
Aquabac 200G	62637-3
Teknar HP-D	73049-404
Vectobac-G Biological Mosquito Larvicide Granules	73049-10
Vectomax CG Biological Larvicide	73049-429
Vectomax WSP Biological Larvicide	73049-429
Vectomax G Biological Larvicide/Granules	73949-429
Zoecon Altosid Pellets	2724-448
Zoecon Altosid Pellets	2724-375
Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator	2724-392
Zoecon Altosid XR Entended Residual Briquets	2724-421
Zoecon Altosid Liquid Larvicide Concentrate	2724-446
Zoecon Altosid XR-G	2724-451
Zoecon Altosid SBG Single Brood Granule	2724-489
Mosquito Larvicide GB-1111	8329-72
BVA 2 Mosquito Larvicide Oil	70589-1
BVA Spray 13	55206-2
Agnique MMF Mosquito Larvicide & Pupicide	53263-28
Agnique MMF G	53263-30
Abate 2-BG	8329-71
5% Skeeter Abate	8329-70
Natular 2EC	8329-82
Natular G	8329-80
Natular XRG	8329-83
Natular XRT	8329-84
FourStar Briquets	83362-3
FourStar SBG	85685-1
Aquabac XT	62637-1
Spheratax SPH (50 G) WSP	84268-2
Spheratax SPH (50 G)	84268-2



Fiscal Year 2014/15 Public Information/Participation Program/BASMAA Events and Activities

	C.7.c. - Use of Free Media - Participate in or contribute to a media relations campaign, at the program, regional, an/or local levels. Maximize use of free media.		C.7.e. - Public Outreach Events - Participate in and/or host events such as fairs, shows, workshops to reach a broad spectrum of the community with both general and specific stormwater runoff pollution prevention messages.		C.7.f. - Watershed Stewardship Collaborative Events - Individually or collectively encourage and support watershed stewardship collaborative efforts of community groups such as the CCWF, Friends of Creeks, etc.		C.7.g. Citizen Involvement Events - Individually or collectively support citizen involvement events which provide the opportunity for citizens to directly participate in water quality and aquatic habitat improvement, such as clean ups and volunteer monitoring.		C.7.h. - School-Age Children Outreach - Individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed messages in school-age children (K-12).		C.9.h. - Public Outreach to PCOs & Residents - Conduct outreach to consumers at point of purchase including participation in the Our Water Our World program. Outreach to residents who use or contract for structural or landscape pest control.	
	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events
ANTIOCH	6	#3	5	#2.7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
BRENTWOOD	6	#3	4	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CLAYTON	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CONCORD	6	#3	5	#2.7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
COUNTY	6	#3	5	#2.7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
DANVILLE	6	#3	4	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
EL CERRITO	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
FLOOD CONTROL	6	#3	6	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
HERCULES	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
LAFAYETTE	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MARTINEZ	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MORAGA	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
OAKLEY	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
ORINDA	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PINOLE	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PITTSBURG	6	#3	4	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PLEASANT HILL	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
RICHMOND	6	#3	5	#2.7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN PABLO	6	#3	3	#2.7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN RAMON	6	#3	4	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
WALNUT CREEK	6	#3	4	#2.7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12

- 2015 Community Watershed Stewardship Grant Program
- May 2015 "Bringing Back the Natives" Garden Tours
- "Use of Free Media" BASMAA Press Releases
- Program Participation on the Contra Costa Watershed Forum
- "Be Classy Not Trashy" Youth Outreach Litter Campaign
- Mr. Funnelhead School, City/County Events and TV Ads
- Our Water Our World (Includes Tabling/Outreach Events at Stores)
- Green Business Program
- Website: CcleanWater.org Community Calendar
- Website: MyGreenGarden.org
- Pesticides Linger Campaign
- Pesticides Campaign

# Attachments

## City of Clayton

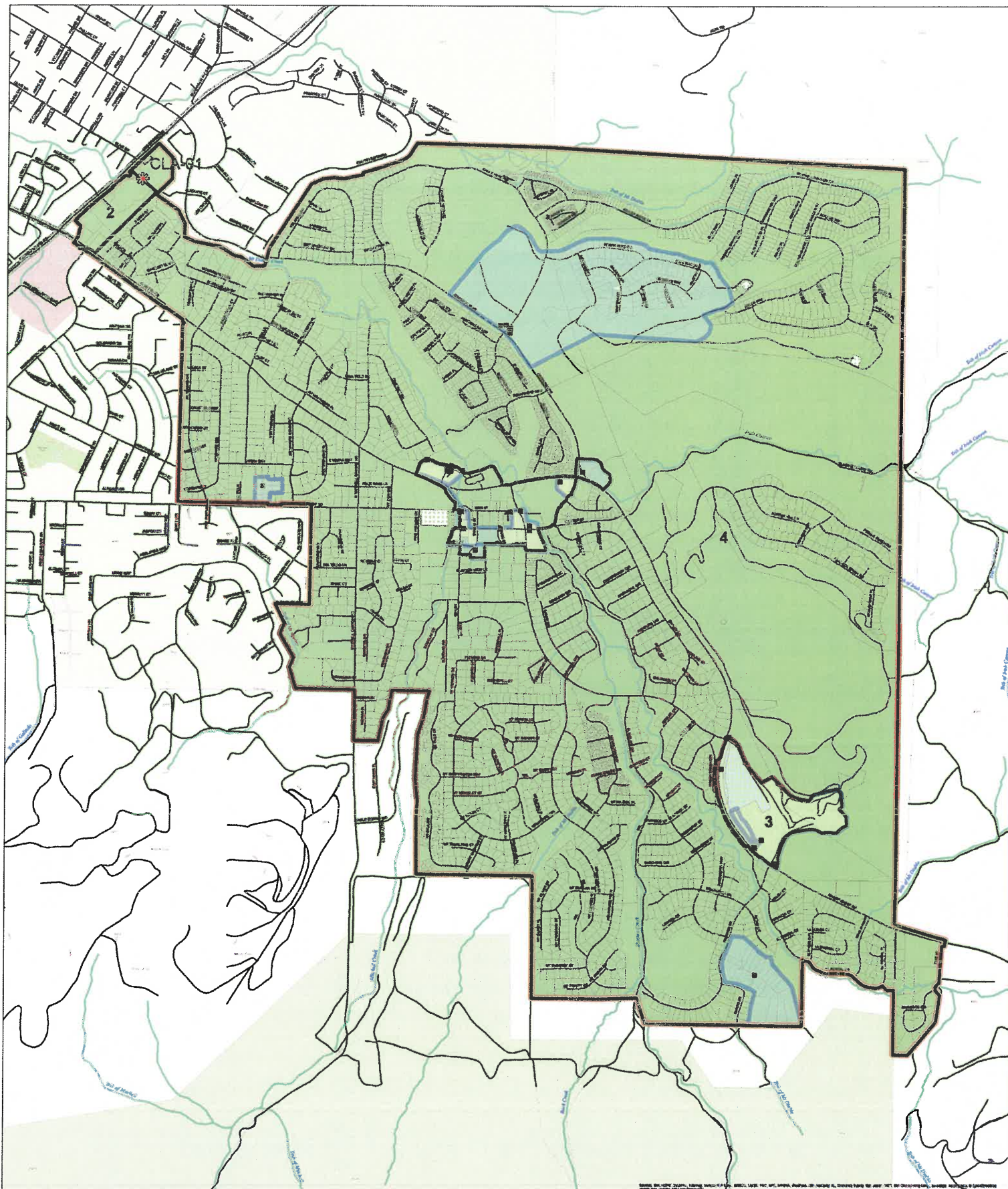
### for Section C-10

City of Clayton – Trash Capture Locations

- 1) Marsh Creek Rd. Westside approximately 400' South of Old Marsh Creek Rd. and Clayton Rd.  
This catch basin is by Diablo View Middle School across from street light #1175S.
- 2) Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.
- 3) Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd. and Clayton Rd. by  
Diablo View Middle School across from street light #1175N.
- 4) Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at Diablo View Middle  
School entrance.
- 5) Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.
- 6) Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.
- 7) Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.
- 8) Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.
- 9) Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.
- 10) Old Marsh Creek Rd. Northeast corner of Old Marsh Creek Rd. and Main St.
- 11) Center St. Southeast corner of Center St. and Morris St.
- 12) Center St. Southside in front of 6008 Center St. Endeavor Hall.
- 13) Oak St. Southeast corner of Oak St. and Main St.
- 14) Oak St. Southwest corner of Oak St. and Main St.
- 15) Main St. Southside 120' west of Main St and Marsh Creek Rd.
- 16) Marsh Creek Rd East side approximately 400' north of Regency Dr.

- 17) Marsh Creek Rd East side approximately 600' north of Regency Dr.
- 18) City Hall parking lot Northeast corner.
- 19) City Hall parking lot East side of Police parking entrance.
- 20) City Hall parking lot West side of Police parking entrance.
- 21) City Hall parking lot East side Heritage Trail at the bottom of hill.
- 22) City Hall parking lot West side Heritage Trail at the bottom of hill.
- 23) Center St. Southeast corner by Mudville Grill.
- 24) Center St. Northeast corner across from Mudville Grill.
- 25) City Maintenance Yard in the far Northwest corner.





### CLAYTON Full Trash Capture and Trash Management Area Map

<b>Trash Generation Category</b>	Creek/Shoreline Hotspot	Streets
Low	Trash Management Area	Agency Boundary
Medium	Full-Capture Location	Creeks
High	Full Trash Capture	Parcel Boundary
Very High	Non-Jurisdictional (Dot color = Generation Category)	

0 0.1 0.2 0.4 Miles



Information contained on these maps is for the sole purpose of the Contra Costa Clean Water Program. Accuracy of the data is not guaranteed.

Map Created By CCCWP GIS

9/23/2016







**EXAMPLE WORKSHEET - FOR DISCUSSION ONLY**  
**HOW TO USE THIS WORKSHEET**

At all of the data that you see has been prepopulated from your "My Municipality" page on the www.bayernavaltechconnector.org website. If you see something that is incorrect, feel free to correct it and make a note in the "Notes" field. If you need to delete an entire row a note is not necessary.

Your answers on this worksheet tab will apply to individual device installations. For each device, please answer four questions:

1. Place a "Y" in the LAND USE column(s) that best describe the area around this device.
2. Is this device in a high-trash generating area? Place a "Y" or "N" in Column U
3. Is this device appropriate for its location? Place a "Y" or "N" in Column V
4. How many times have you inspected or maintained this device since installation? Note the number of maintenance events in Column W

Municipal	Project Device ID	Device type	Vendor/Model name	Installation Date	POI	Line#	Municipal ID (if you use one)	Location	Address Description	Latitude	Longitude	Commercial	Industrial	Residential	Retail	K-12 School	Urban Park	Urban open space	Express way	High trash generating area? Y or N	Device appropriate for location? Y or N	Number of inspections made to date	Notes		
Clayton	USW-1	connector	United Sbo	Nov-12	1	1	TC-1	37.831142	By Diablo	37.83114	-121.9235												30 cubic foot capacity.		
Clayton	USW-1	connector	United Sbo	Nov-12	2	2	TC-2	37.927325	NE Cor. M	37.92733	-121.9205													25.6 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	3	3	TC-3	37.931058	By middle	37.93106	-121.9233													25.6 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	4	4	TC-4	37.932331	Diablo Mid	37.93233	-121.9229													72 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	5	5	TC-5	37.942822	Water Feat	37.94282	-121.9306													32.5 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	6	6	TC-6	37.948345	Eagle Peak	37.94835	-121.9344													32.5 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	7	7	TC-7	37.948528	Eagle Peak	37.94853	-121.9344													32 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	8	8	TC-8	37.948594	Eagle Peak	37.94859	-121.9347													32 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	9	9	TC-9	37.948597	Eagle Peak	37.94860	-121.9349													72 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	10	10	TC-10	37.941247	Old Mission	37.94125	-121.9347													72 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	11	11	TC-11	37.940506	Center & N	37.94051	-121.9347													36 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	12	12	TC-12	37.940506	Center & N	37.94051	-121.9347													36 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	13	13	TC-13	37.941189	Old Mission	37.94119	-121.9367													40 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	14	14	TC-14	37.941178	Old Mission	37.94118	-121.9368													40 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	15	15	TC-15	37.941183	Main St B	37.94118	-121.9342													30 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	16	16	TC-16	37.927855	MGR East	37.92786	-121.9315													42 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	17	17	TC-17	37.928253	MGR by rd	37.92825	-121.9315													42 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	18	18	TC-18	37.942623	Chy Hall H	37.94262	-121.9374													24 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	19	19	TC-19	37.942762	Chy Hall H	37.94276	-121.9374													24 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	20	20	TC-20	37.942776	Police park	37.94278	-121.9373													25 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	21	21	TC-21	37.942801	City Hall P	37.94280	-121.9373													25 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	22	22	TC-22	37.940026	Across foot	37.94003	-121.9333													21 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	23	23	TC-23	37.940026	Across foot	37.94003	-121.9333													25 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	24	24	TC-24	37.940046	Manville G	37.94004	-121.9332													30 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	1	1	TC-1	37.931142	By Diablo	37.93114	-121.9265													30 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	2	2	TC-2	37.927325	NE Cor. M	37.92733	-121.9265													23.5 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	3	3	TC-3	37.931058	By middle	37.93106	-121.9229													72 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	4	4	TC-4	37.932331	Diablo Mid	37.93233	-121.9229													72 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	5	5	TC-5	37.942822	Water Feat	37.94282	-121.9306													25.6 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	6	6	TC-6	37.948345	Eagle Peak	37.94835	-121.9344													32.5 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	7	7	TC-7	37.948528	Eagle Peak	37.94853	-121.9344													32 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	8	8	TC-8	37.948594	Eagle Peak	37.94859	-121.9347													32 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	9	9	TC-9	37.948597	Eagle Peak	37.94860	-121.9349													32 cubic foot capacity.	
Clayton	USW-1	connector	United Sbo	Nov-12	10	10	TC-10	37.941247	Old Mission	37.94125	-121.9347														72 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	11	11	TC-11	37.940506	Center & N	37.94051	-121.9347														36 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	12	12	TC-12	37.940506	Center & N	37.94051	-121.9347														36 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	13	13	TC-13	37.941189	Old Mission	37.94119	-121.9367														40 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	14	14	TC-14	37.941178	Old Mission	37.94118	-121.9368														40 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	15	15	TC-15	37.941183	Main St B	37.94118	-121.9342														30 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	16	16	TC-16	37.927855	MGR East	37.92786	-121.9315														42 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	17	17	TC-17	37.928253	MGR by rd	37.92825	-121.9315														42 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	18	18	TC-18	37.942623	Chy Hall H	37.94262	-121.9374														24 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	19	19	TC-19	37.942762	Chy Hall H	37.94276	-121.9374														24 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	20	20	TC-20	37.942776	Police park	37.94278	-121.9373														25 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	21	21	TC-21	37.942801	City Hall P	37.94280	-121.9373														25 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	22	22	TC-22	37.940026	Across foot	37.94003	-121.9333														21 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	23	23	TC-23	37.940026	Across foot	37.94003	-121.9333														25 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	24	24	TC-24	37.940046	Manville G	37.94004	-121.9332														30 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	1	1	TC-1	37.931142	By Diablo	37.93114	-121.9265														30 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	2	2	TC-2	37.927325	NE Cor. M	37.92733	-121.9265														23.5 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	3	3	TC-3	37.931058	By middle	37.93106	-121.9229														72 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	4	4	TC-4	37.932331	Diablo Mid	37.93233	-121.9229														72 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	5	5	TC-5	37.942822	Water Feat	37.94282	-121.9306														25.6 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	6	6	TC-6	37.948345	Eagle Peak	37.94835	-121.9344														32.5 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	7	7	TC-7	37.948528	Eagle Peak	37.94853	-121.9344														32 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	8	8	TC-8	37.948594	Eagle Peak	37.94859	-121.9347														32 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	9	9	TC-9	37.948597	Eagle Peak	37.94860	-121.9349														32 cubic foot capacity.
Clayton	USW-1	connector	United Sbo	Nov-12	10	10	TC-10	37.941247	Old Mission	37.94125	-121.9347														72 cubic foot capacity.
Clayton	USW-1	connector	United																						

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City of Clayton Master Location  
Map of Installed Trash Capture  
Devices and Hot Spot Location:  
(See Detail maps for more precise  
location and ABAG Trash Tracker  
Program for GPS location data)

Devices are inspected at minimum  
of one time per year, more if  
needed.

They are cleaned based upon the  
inspection results and at least one  
time per year.

All data is inputted into Trash  
Tracker program.

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Protect our Waterways, Beaches and Oceans



## Stormwater Debris Screens & Filters



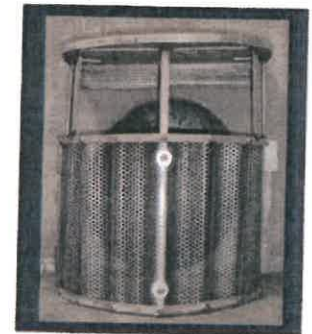
### Catch Basin Trash Capture Devices: Connector Pipe Screens (CPS)

- Certified "full capture" device by Los Angeles & San Francisco Water Quality Boards
  - Captures all particles > 5 mm
  - Meets hydraulic design standards of > flow rate from 1-year, 1 hour storm and bypass of maximum inlet design capacity
- GRATE and Wavy Trash Catchers made from innovative corrugated perforated screen:
  - Meets hydraulic standards in less space
  - Ensures bypass requirement compliance
- Increases catch basin holding capacity:
  - Reduces time intervals between clean-outs & maintenance costs
  - Minimizes flooding potential
- Best (and sometimes only) solution for shallow, narrow, smaller & longer catch basins
- Designed by Mike Soliman, P.E. former Assistant Head, Design Div., LA County Public Works, Flood Control & Water Quality
- Constructed from 304 Stainless Steel: Permanent installations, expected life of 15 -20 years, 5 year warranty.
- Also made in cost-saving, non-leaching, high-strength Plastic.
- Conventional (non-corrugated) Waterway Solutions' Connector Pipe Screens (CPS) available for less-challenging catch basins



GRATE Trash Catcher™  
Wavy Trash Catcher™  
Conventional CPS

Trash Capture Devices for  
ANY type of Catch Basin!



"Wavy" Corrugated CPS: Increased effectiveness in a smaller footprint



"Grate Trash Catcher" CPS:  
Effective in catch basins as  
small as 18" x 18" x 18"



City of Clayton Full Trash Capture Device Report Information

TMA #	Location	Municipality Assigned ID	Address Description
3	37.931142,-121.923538	TC-1	By Diablo View Middle School
3	37.927325,-121.920531	TC-2	NE Cor. MCR & Regency Dr.
3	37.931058,-121.923293	TC-3	By middle school
3	37.932331,-121.922912	TC-4	Diablo Middle School entrance
1	37.942822,-121.930625	TC-5	Water Feature
4	37.948345,-121.93445	TC-6	Eagle Peak Hill
4	37.948529,-121.934444	TC-7	Eagle Peak Hill
4	37.948648,-121.934663	TC-8	Eagle Peak Hill
4	37.948621,-121.934939	TC-9	Eagle Peak Hill
1	37.941247,-121.933722	TC-10	Old Marsh by Plaza
1	37.940506,-121.934722	TC-11	Center & Morris Downtown
1	37.940498,-121.936591	TC-12	Endeavor Hall
1	37.941169,-121.936705	TC-13	Oak & Main Downtown
1	37.941178,-121.936797	TC-14	Oak & Main Downtown
1	37.941183,-121.93423	TC-15	Main St By the Grove Park
3	37.927955,-121.921534	TC-16	MCR East by Community Park
3	37.928253,-121.9211887	TC-17	MCR by Community park
1	37.942823,-121.937473	TC-18	City Hall hill
1	37.942782,-121.937442	TC-19	City Hall hill
1	37.942764,-121.937326	TC-20	Police parking entrance
1	37.942779,-121.937267	TC-21	Police parking entrance
1	37.942801,-121.936693	TC-22	City Hall Parking lot
1	37.940625,-121.933251	TC-23	Across from Mudville Grill
1	37.940467,-121.933244	TC-24	Mudville Grill
1	37.943211,-121.938488	TC-25	Corp Yard

**Devises installed August/Nov. 2012**

**First inspection: July 2013** (Submitted in FY 13-14 Annual Report)

**Second Inspection: July 2014-Sept. 2014** (Submitted with FY 14-15 Annual Report)

**Third Inspection: July 2015** (Submitted with FY 14-15 Annual Report)

**Fourth Inspection: June 2016** (Submitted with FY 15-16 Annual Report)



CITY OF CLAYTON

TRASH CAPTURE DEVICE 2016 TOTALS

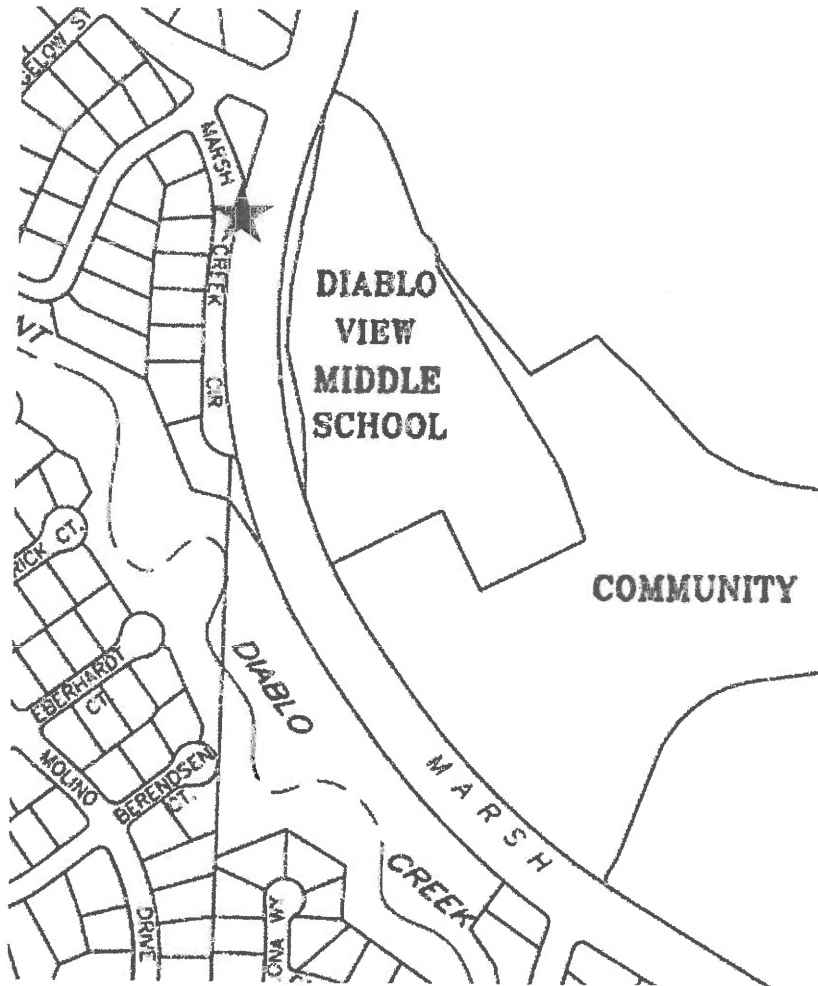
FY 15-16

TRASH CAPTURE #	CAPACITY CU. FT.	PERCENTAGE FULL	MAN HOURS	CONTRACT \$	PLASTIC CU. FT.	PAPER CU. FT.	SEDIMENT CU. FT.	METAL CU. FT.	VEGETATION CU. FT.	GLASS CU. FT.	OTHER CU. FT.	TOTAL
TC-1	30	5%	1	0	0.03	0.03	0.38	0.02	1.1	0	0	1.56
TC-2	25.5	2%	1	0	0.001	0.001	0.2	0	0.3	0	0	.502
TC-3	25.5	2%	1	0	0.001	0.001	0.05	0	0.45	0	0	1.004
TC-4	72	5%	2	0	0.04	0.11	0.72	0	2.7	0	0	3.57
TC-5	25.5	5%	2	0	0	0.01	1.02	0	0.24	0	0	1.27
TC-6	32.5	2%	1	0	0.007	0.014	0.13	0	0.5	0	0	.651
TC-7	36	2%	1	0	0.007	0.014	0.32	0	0.37	0	0	.711
TC-8	32	2%	1	0	0	0	0.13	0	0.5	0	0	.63
TC-9	42	5%	1	0	0.02	0.04	0.42	0	1.6	0	0	2.08
TC-10	72	2%	2	0	0.01	0.01	0.29	0	1.1	0	0	1.41
TC-11	48	5%	1	0	0.05	0.05	0.37	0.02	1.9	0	0	2.39
TC-12	28	2%	1	0	0.01	0.03	0.22	0	0.32	0	0	.85
TC-13	36	5%	2	0	0.02	0.036	0.72	0	1.03	0	0	1.806
TC-14	60	2%	2	0	0.01	0.02	0.12	0	1	0	0	1.15
TC-15	30	2%	1	0	0.012	0.03	0.36	0	0.22	0	0	.622
TC-16	42	2%	1	0	0	0	0.17	0	0.68	0	0	.85
TC-17	42	5%	2	0	0	0	1.27	0	0.84	0	0	2.11
TC-18	24	2%	1	0	0	0.24	0	0	0.24	0	0	.48
TC-19	24	5%	1	0	0	0.24	0.6	0	0.58	0	0	.82
TC-20	25	2%	1	0	0.005	0.005	0.08	0	0.42	0	0	.51
TC-21	25	2%	1	0	0.005	0.005	0.5	0	0.44	0	0	.95
TC-22	21	5%	1	0	0	0	0.32	0	0.74	0	0	1.06
TC-23	30	5%	1	0	0.02	0.02	0.72	0	0.75	0	0	1.51
TC-24	26	5%	1	0	0.013	0.013	0.78	0	0.5	0	0	1.306
TC-25	15	5%	1	0	0.023	0.023	0.4	0	0.31	0	0	.756
<b>TOTALS</b>			<b>31</b>	<b>0</b>	<b>0.29</b>	<b>9.29</b>	<b>10.29</b>	<b>0.04</b>	<b>18.83</b>	<b>0</b>	<b>0</b>	<b>38.74</b>

Inspection & Cleaning done JUNE 20, 21, 22 + 23, 2016.

(1)

Marsh Creek Rd. Westside approximately 400' South of Old Marsh Creek Rd. and Clayton Rd. This catch basin is by Diablo View Middle School across from street light #1175S.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd West side 400' South of Old Marsh Creek Rd and Clayton Rd

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-1 / Capacity (30 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

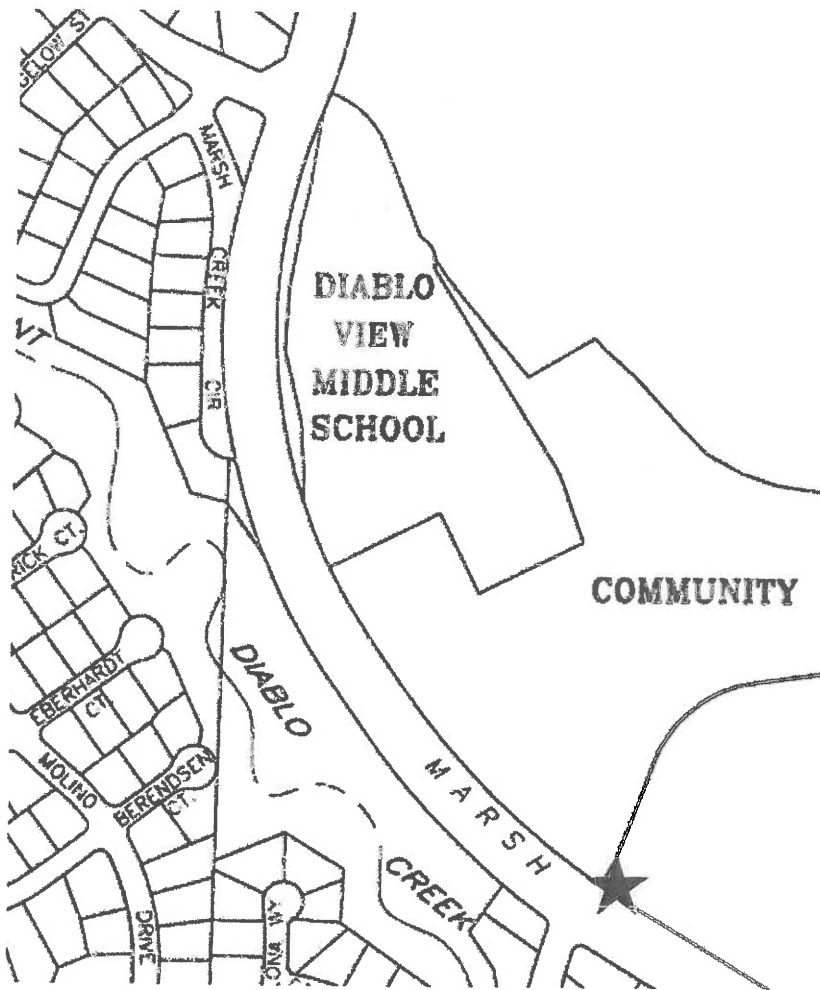
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.03</u> cubic ft.   | <input checked="" type="checkbox"/> Metal <u>1</u> % <u>.02</u> cubic ft.              |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.03</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>70</u> % <u>1.1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>25</u> % <u>.38</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

(2)

Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd and Regency Dr

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-2 / Capacity (25.5 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

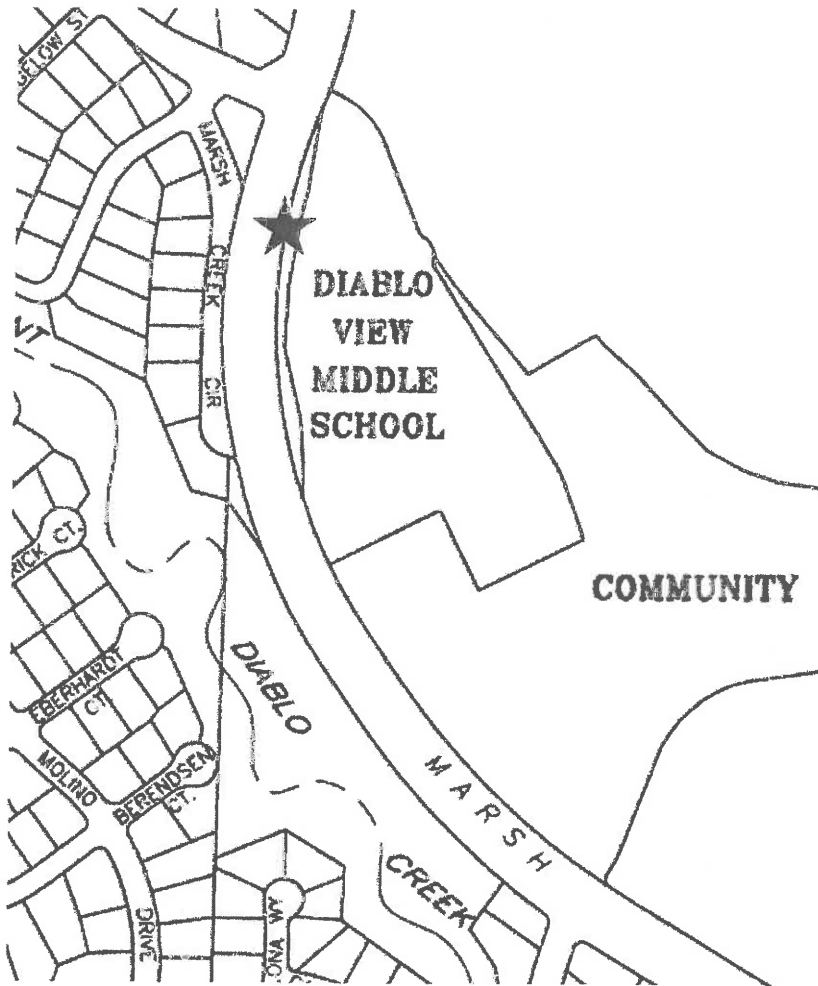
- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.001</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.001</u> cubic ft.   | <input checked="" type="checkbox"/> Leaves/vegetation <u>58</u> % <u>.3</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>40</u> % <u>.2</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                |
|  | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                        |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

(3)

Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd.  
and Clayton Rd. by Diablo View Middle School across from street light #1175N.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd East side 400' North of Old Marsh Creek Rd

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-3 / Capacity (25.5 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

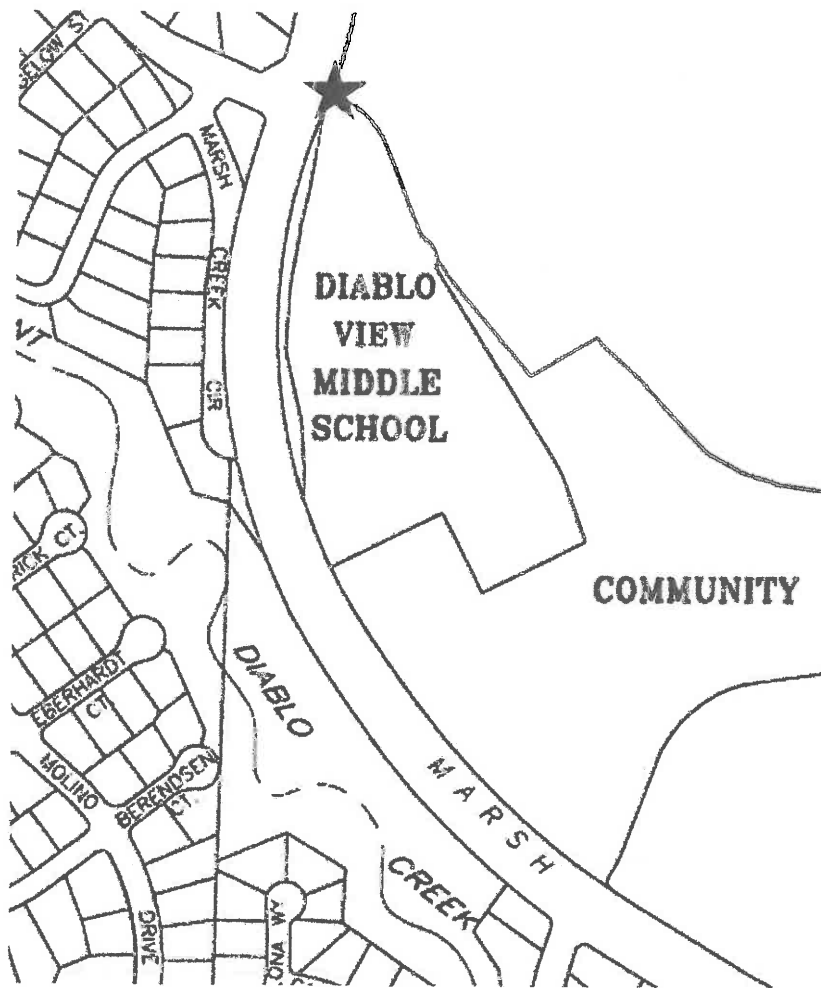
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.001</u> cubic ft.  | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.001</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>88</u> % <u>.45</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.05</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(4)

Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at  
Diablo View Middle School entrance.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd SE corner of Old Marsh creek Rd and Clayton Rd

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-4 / Capacity (72 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

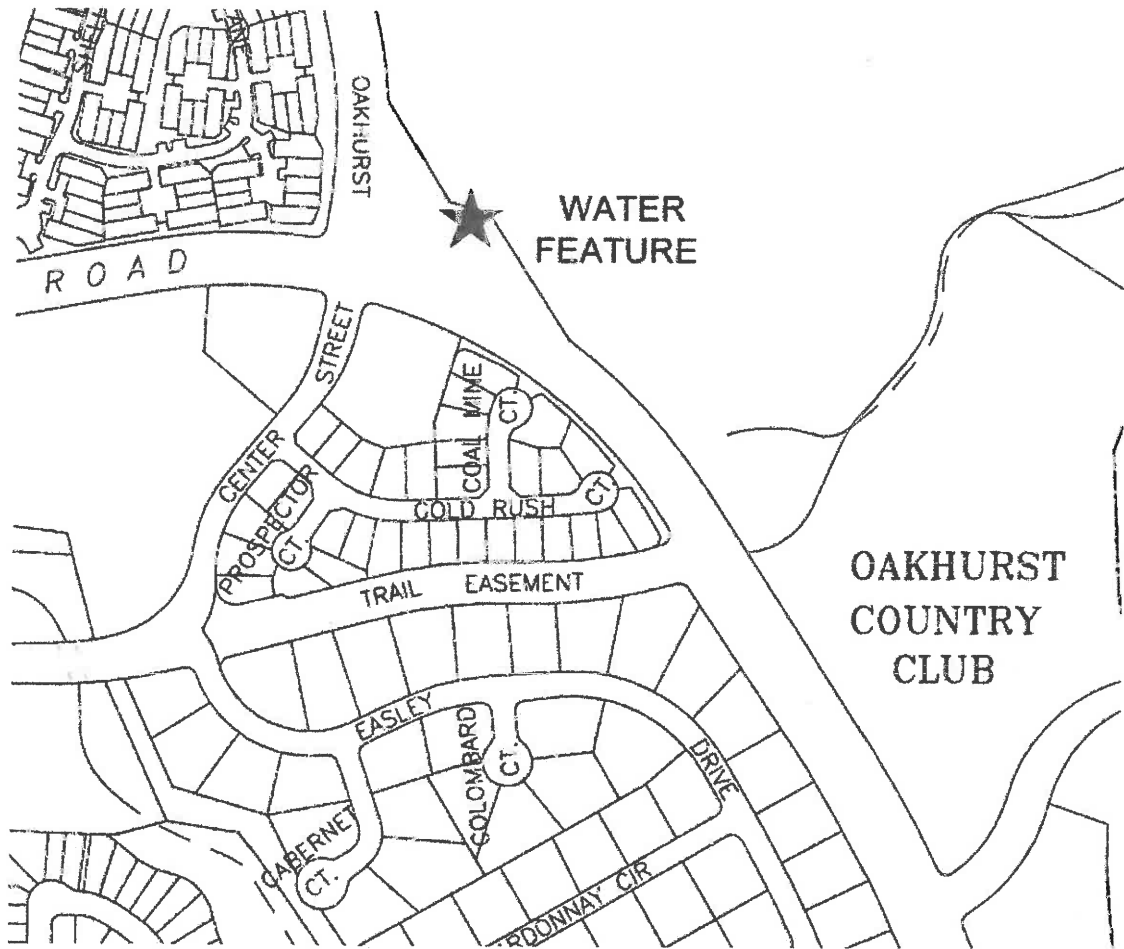
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.04</u> cubic ft.   | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>3</u> % <u>.11</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>76</u> % <u>2.7</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.72</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(5)

Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: NE corner of Oakhurst Dr and Clayton Rd

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-5 / Capacity (25.5 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Metal \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Paper 1 % .01 cubic ft.

Leaves/vegetation 19 % .24 cubic ft.

Sediment 80 % 1.02 cubic ft.

Glass \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Other \_\_\_\_\_ ? \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Thank You!

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(6)

Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Oakhurst Dr SE corner of Oakhurst Dr and Eagle Peak

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-6 / Capacity (32.5 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-20-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 1 % .007 cubic ft.

Metal \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Paper 2 % .014 cubic ft.

Leaves/vegetation 77 % .5 cubic ft.

Sediment 20 % .13 cubic ft.

Glass \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Other \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Thank You!

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(7)

Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Eagle Peak East SE corner of Eagle Peak and Oakhurst Dr

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-7 / Capacity (36 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.007</u> cubic ft.  | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.014</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>52</u> % <u>.37</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>45</u> % <u>.32</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(8)

Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Eagle Peak East NE corner of Eagle Peak and Oakhurst Dr

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-8 / Capacity (32 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |   |
|---|---|
| <input type="checkbox"/> Plastic _____% _____ cubic ft.                       | <input type="checkbox"/> Metal _____% _____ cubic ft.                                 |
| <input type="checkbox"/> Paper _____% _____ cubic ft.                         | <input checked="" type="checkbox"/> Leaves/vegetation <u>80</u> % <u>.5</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.13</u> cubic ft. | <input type="checkbox"/> Glass _____% _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____% _____ cubic ft.                                 |

Thank You!

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(9)

Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Oakhurst Dr NE corner of Oakhurst Dr and Eagle Peak

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-9 / Capacity (42 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

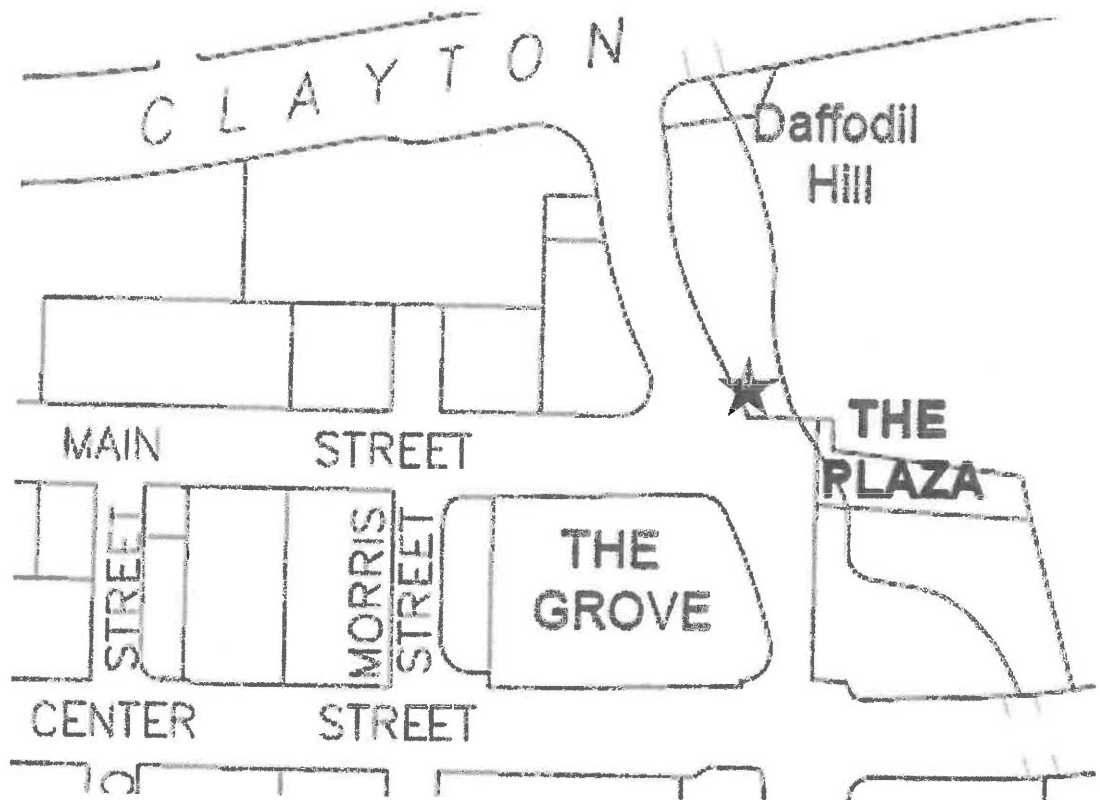
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.02</u> cubic ft.   | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.04</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>77</u> % <u>1.6</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.42</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(10)

Old Marsh Creek Rd Northeast corner Old Marsh Creek Rd and Main St. by Kiosk.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Old Marsh Creek Rd NE corner of Old Marsh Creek Rd and Main St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-10 / Capacity (72 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

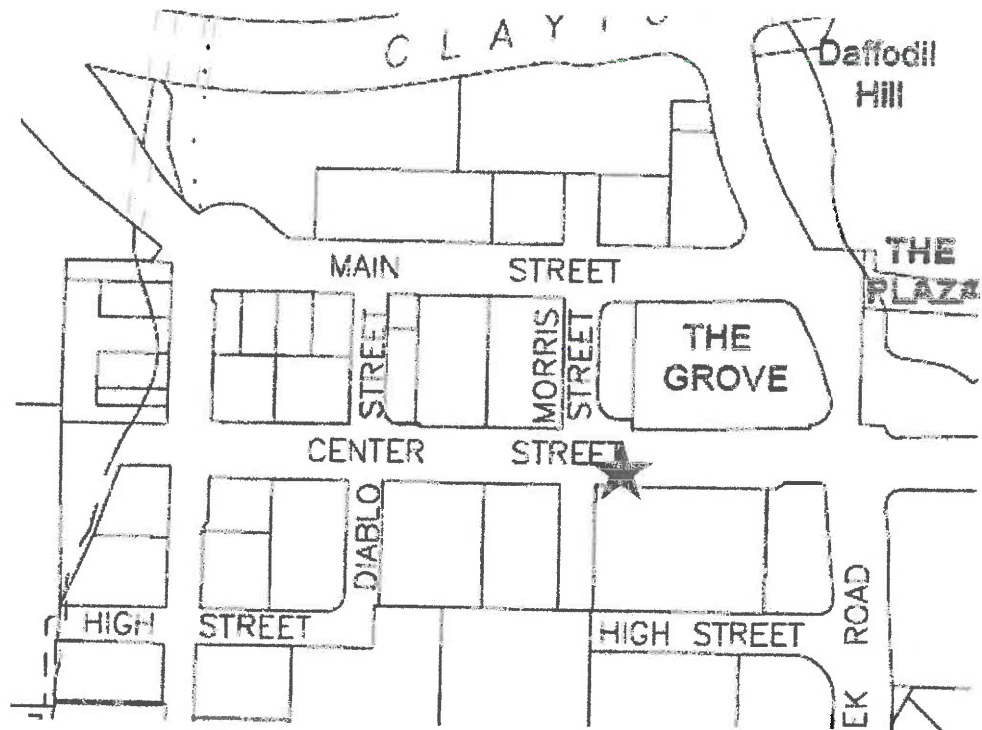
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.01</u> cubic ft.   | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.01</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>78</u> % <u>1.1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.29</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(11)

Center St. Southeast corner of Center St. and Morris St.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Center St SE corner of Center St and Morris St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-11 / Capacity (48 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

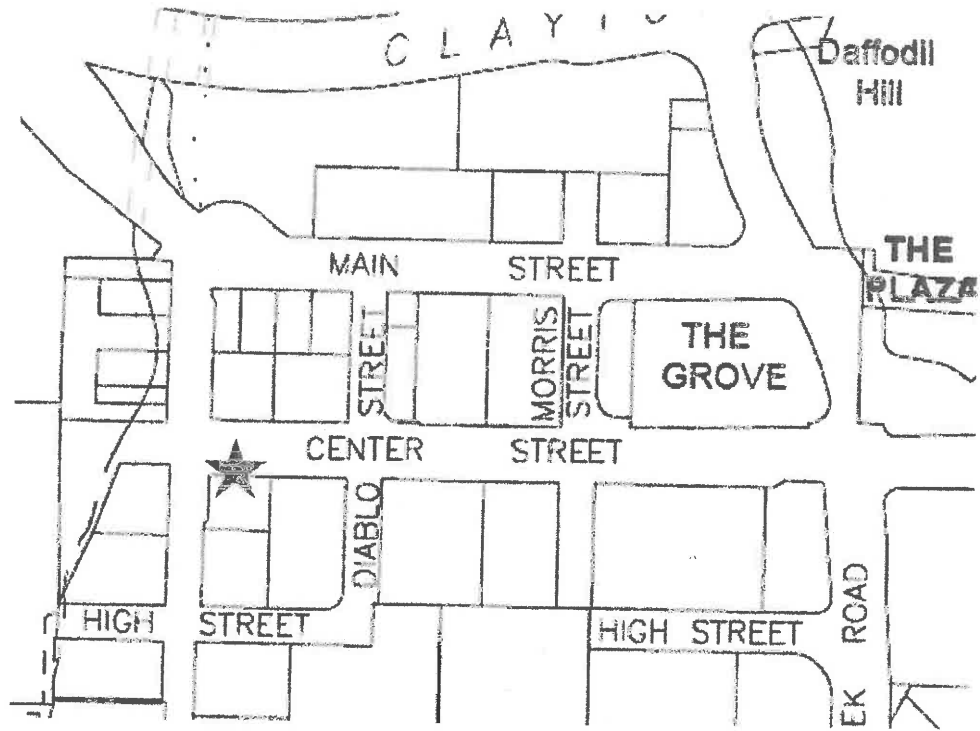
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.05</u> cubic ft.   | <input checked="" type="checkbox"/> Metal <u>1</u> % <u>.02</u> cubic ft.              |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.05</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>80</u> % <u>1.9</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>15</u> % <u>.37</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ % _____ cubic ft.                                 |

Thank You!

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(12)

Center St. Southside in front of 6008 Center St. Endeavor Hall.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Center St Southside IFO 6008 Center St at Endeavor Hall

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-12 / Capacity (28 cubic feet)

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 2 % .01 cubic ft.

Metal \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Paper 2 % .031 cubic ft.

Leaves/vegetation 56 % .32 cubic ft.

Sediment 40 % .22 cubic ft.

Glass \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

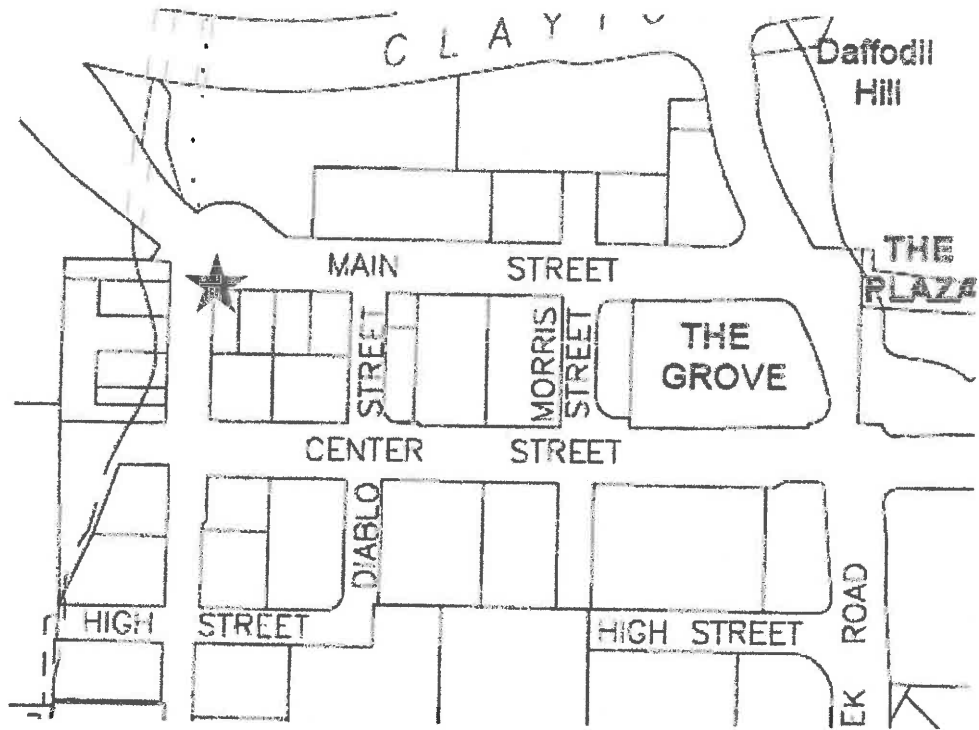
Other \_\_\_\_\_ ? \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
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(13)

Oak St. Southeast corner of Oak St. and Main St.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Oak St SE corner of Oak St and Main St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-13 / Capacity (36 cubic feet)

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 1 % .02 cubic ft.

Metal \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Paper 2 % .036 cubic ft.

Leaves/vegetation 57 % 1.03 cubic ft.

Sediment 40 % .72 cubic ft.

Glass \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

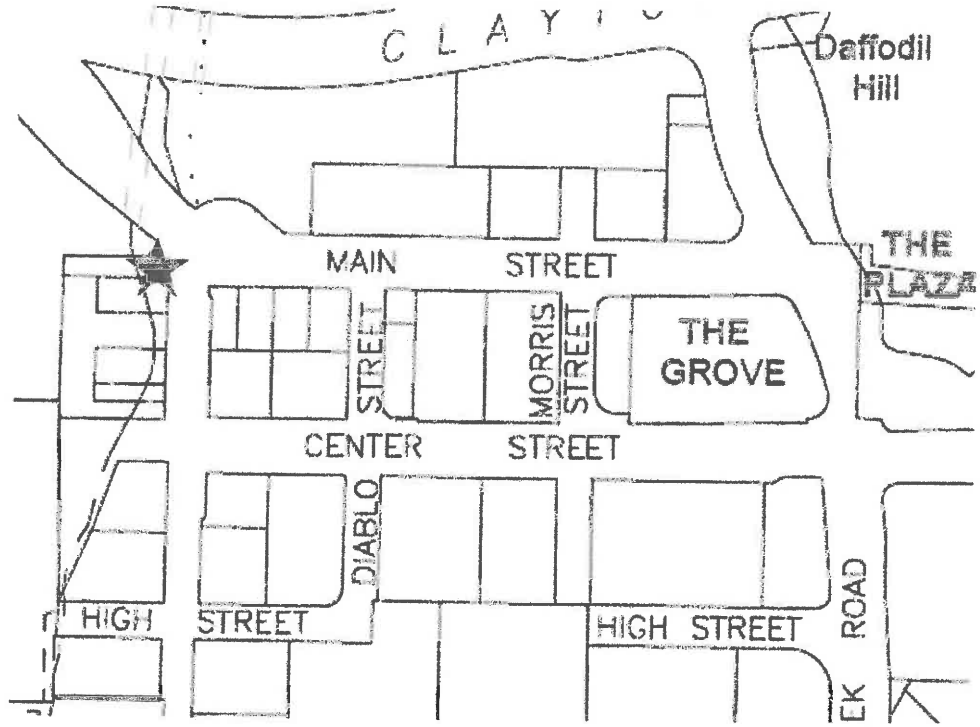
Other \_\_\_\_\_ ? \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Thank You!

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(14)

Oak St Southwest corner of Oak St. and Main St.



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Oak St SW corner of Oak St and Main St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID IC-14 / Capacity (60 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-21-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

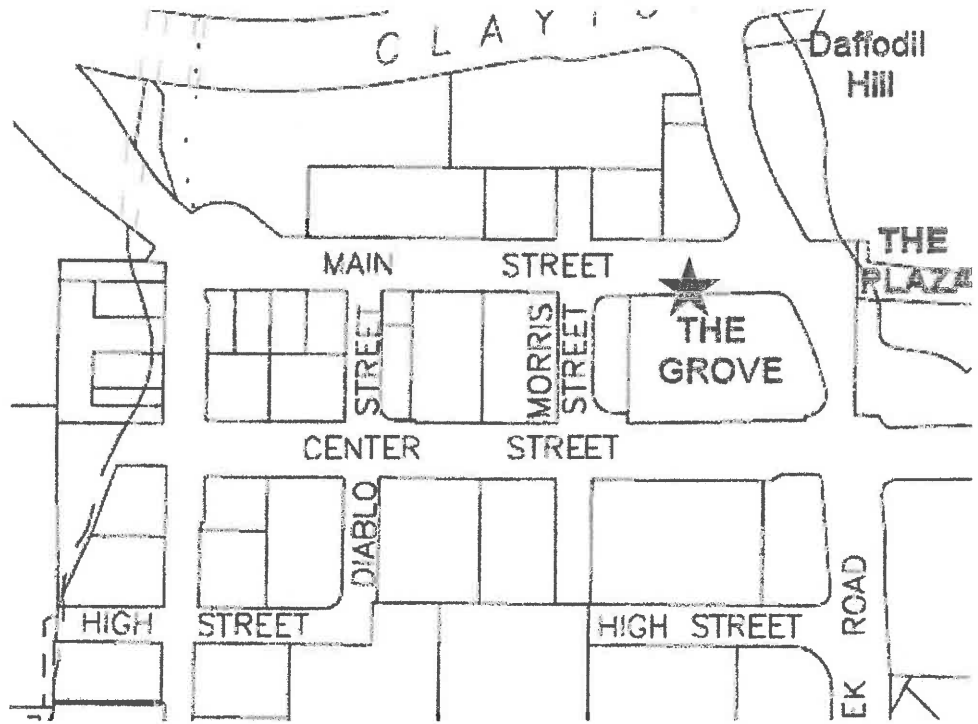
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.01</u> cubic ft.   | <input type="checkbox"/> Metal _____ % _____ cubic ft.                               |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.02</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>87</u> % <u>1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.12</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                               |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                       |

Thank You!

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(15)

Main St. Southside 120' west of Old Marsh Creek Rd and Main St by The Grove.





# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Main St Southside 120' W of Old Marsh Creek Rd and Main St.

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-15 / Capacity (30 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-22-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

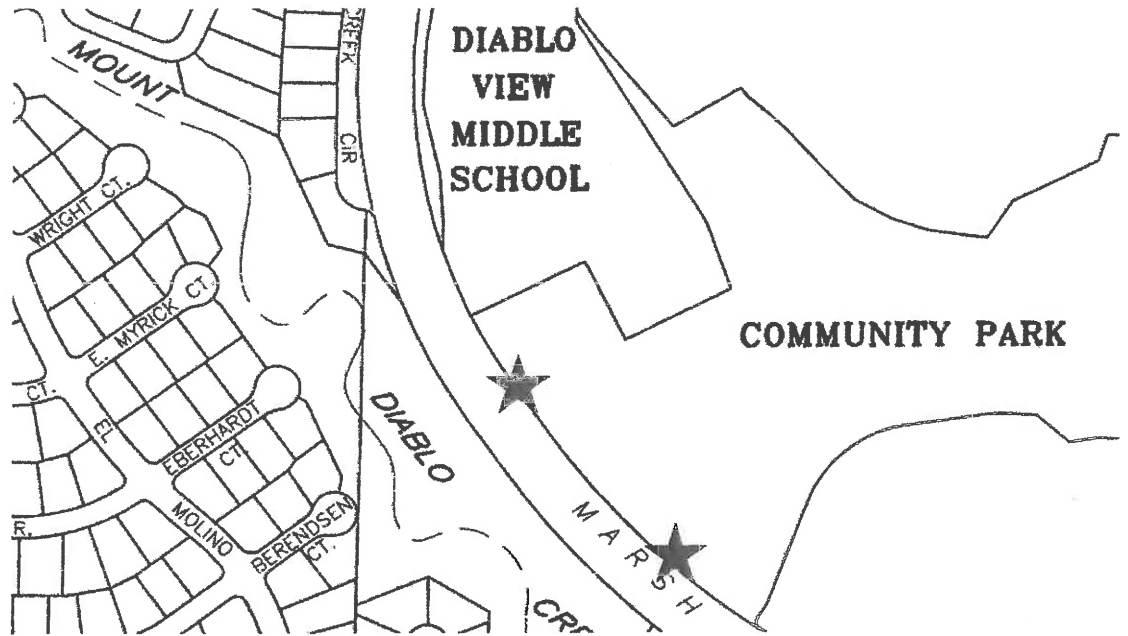
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.012</u> cubic ft.  | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.0312</u> cubic ft.   | <input checked="" type="checkbox"/> Leaves/vegetation <u>36</u> % <u>.22</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>60</u> % <u>.36</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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(16 & 17)

Marsh Creek Rd Eastside approx. 400 & 600 feet North of Regency Drive



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd Eastside 400' N of Regency Dr

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-16 / Capacity (42 cubic feet)

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-22-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Metal \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Paper \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Leaves/vegetation 80 % .68 cubic ft.

Sediment 20 % .17 cubic ft.

Glass \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Other \_\_\_\_\_ % \_\_\_\_\_ cubic ft.

Thank You!

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# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Marsh Creek Rd Eastside 600' N of Regency Dr

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-17 / Capacity (42 cubic feet)

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-22-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Metal \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Paper \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Leaves/vegetation 40 % .84 cubic ft.

Sediment 60 % 1.27 cubic ft.

Glass \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Other \_\_\_\_\_? \_\_\_\_\_% \_\_\_\_\_ cubic ft.

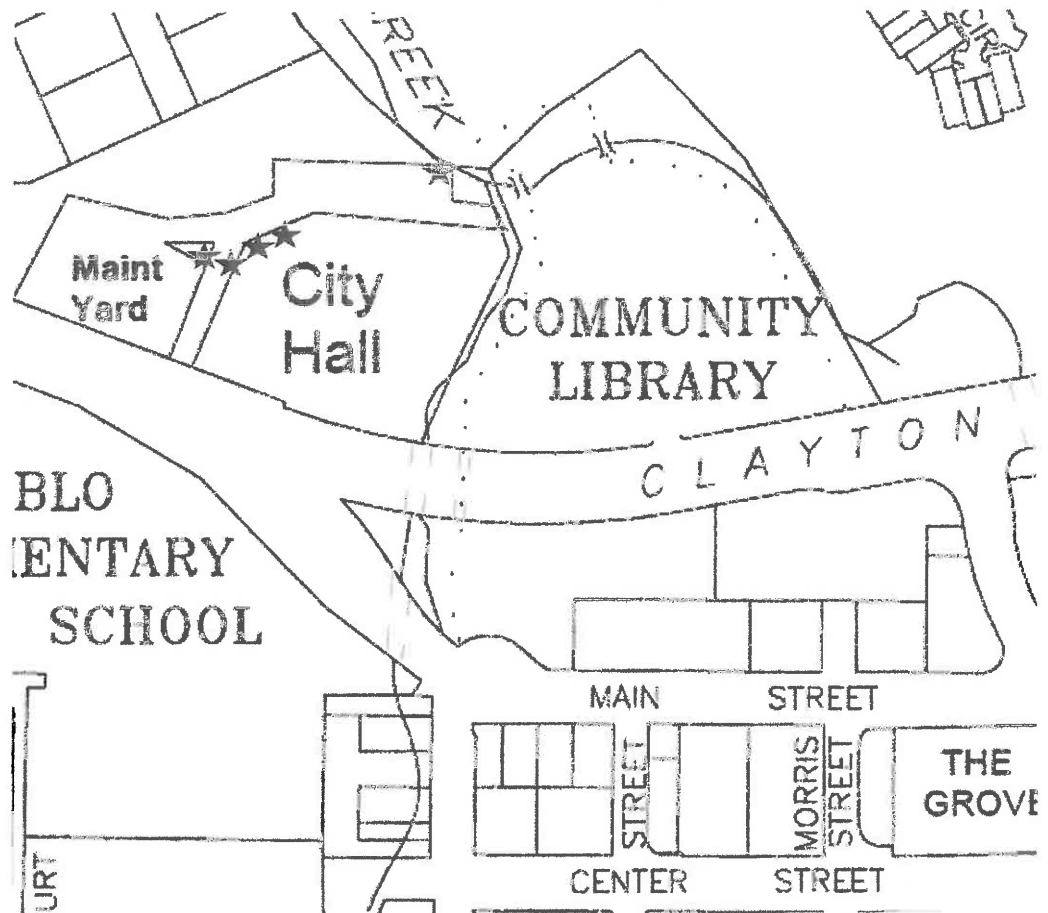
Thank You!

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(18, 19, 20, 21, 22)

City Hall Parking Lot .



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Heritage Trail NE bottom of hill before maintenance yard

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-18 / Capacity (24 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-22-2016

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): \_\_\_\_\_

Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

Yes  No (explain): \_\_\_\_\_

Clogged

Needs repair/adjustment (explain): \_\_\_\_\_

Evidence of bypass

#### Condition of device

Intact, not damaged

Damaged or broken part (describe): \_\_\_\_\_

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Metal \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Paper \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Leaves/vegetation 50 % .24 cubic ft.

Sediment 50 % .24 cubic ft.

Glass \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Other \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Thank You!

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# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Heritage Trail NW bottom of hill Police Entrance

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-19 / Capacity (24 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-22-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vector truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |  |  |
|--|--|
| <input type="checkbox"/> Plastic _____ % _____ cubic ft.                     | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.24</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>48</u> % <u>.58</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>50</u> % <u>.6</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|  | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Heritage Trail Right Side of Police Entrance

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-20 / Capacity (25 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vector truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.005</u> cubic ft.  | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.005</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>83</u> % <u>.42</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>15</u> % <u>.08</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ % _____ cubic ft.                                 |

Thank You!

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# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Heritage Trail Left Side of Police Entrance

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-21 / Capacity (25 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.005</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.05</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>88</u> % <u>.44</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.5</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|  | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

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# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Heritage Trail NE corner of parking lot

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-22 / Capacity (21 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vector truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

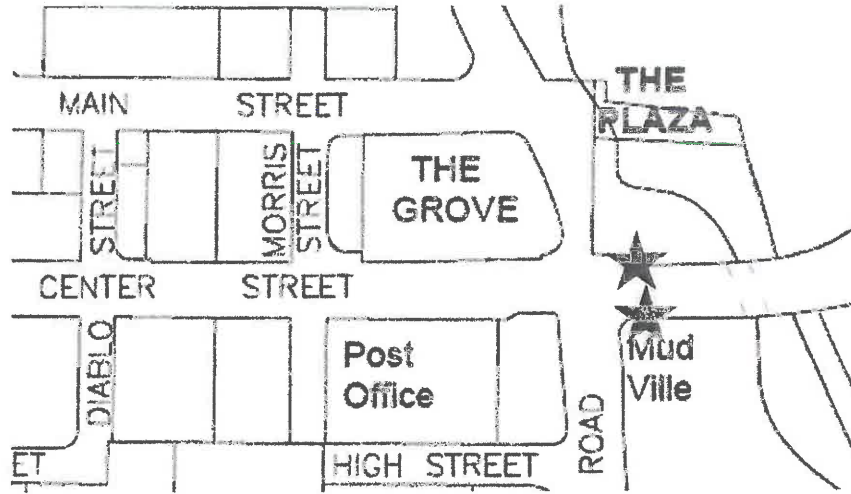
Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |  |
|---|--|
| <input type="checkbox"/> Plastic _____% _____ cubic ft.                       | <input type="checkbox"/> Metal _____% _____ cubic ft.                                  |
| <input type="checkbox"/> Paper _____% _____ cubic ft.                         | <input checked="" type="checkbox"/> Leaves/vegetation <u>70</u> % <u>.74</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>30</u> % <u>.32</u> cubic ft. | <input type="checkbox"/> Glass _____% _____ cubic ft.                                  |
|   | <input type="checkbox"/> Other _____? _____% _____ cubic ft.                           |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

(23, 24)  
Center St by Mudville Grill



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: Center St NE corner of Maint St and Center St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-23 / Capacity (30 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.02</u> cubic ft.   | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.02</u> cubic ft.     | <input checked="" type="checkbox"/> Leaves/vegetation <u>50</u> % <u>.75</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>48</u> % <u>.72</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtracker.org](http://www.bayareatrashtracker.org)

Address or intersection: Center St SE corner of Maint St and Center St

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-24 / Capacity (26 cubic feet)  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

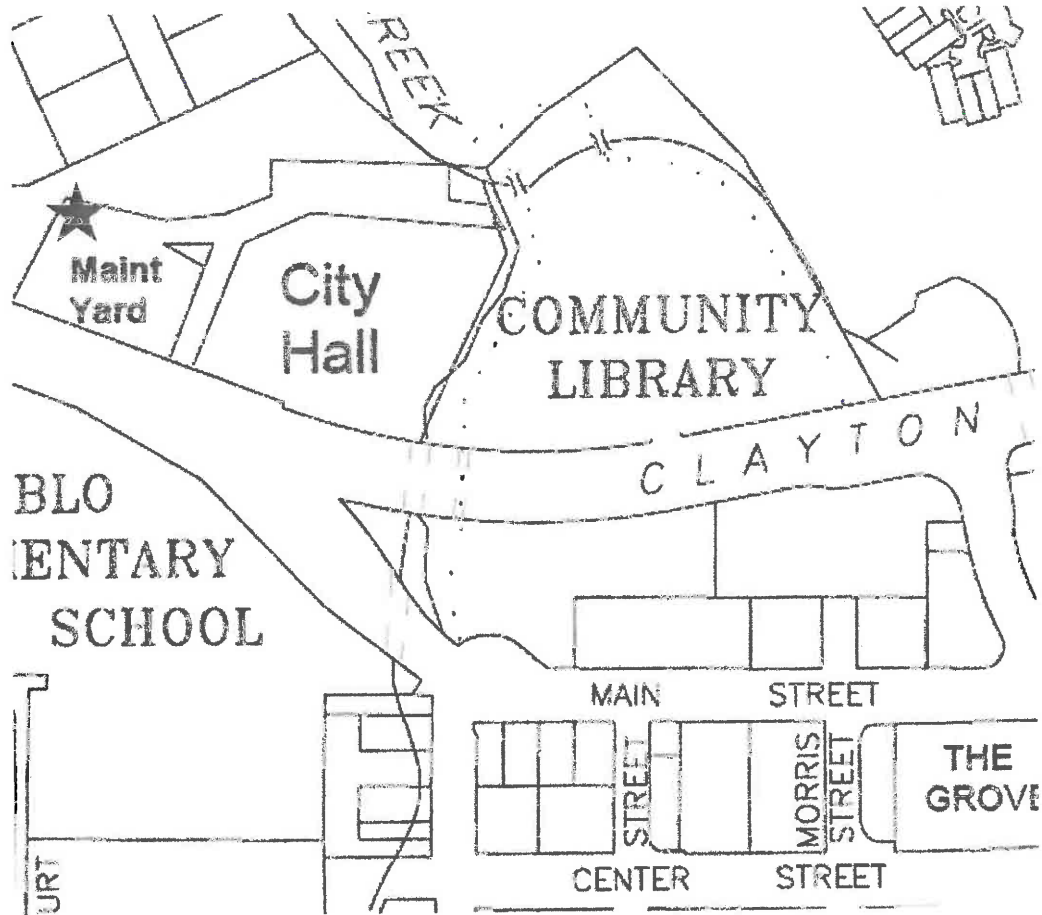
Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.013</u> cubic ft.  | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.013</u> cubic ft.    | <input checked="" type="checkbox"/> Leaves/vegetation <u>38</u> % <u>.5</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>60</u> % <u>.78</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                |
|   | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                        |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

25  
City Maint Yard



# Trash Capture Device Maintenance Report — Small Devices

## BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at [www.bayareatrashtacker.org](http://www.bayareatrashtacker.org)

Address or intersection: City Maintenance Yard

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID TC-25 / Capacity (15 cubic feet) \_\_\_\_\_  
Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: 6-23-2016

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance  
 Repair (describe): \_\_\_\_\_  
 Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_  
 Clogged  
 Needs repair/adjustment (explain): \_\_\_\_\_  
 Evidence of bypass

#### Condition of device

- Intact, not damaged  
 Damaged or broken part (describe): \_\_\_\_\_  
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

#### Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less  15-30 min  30 min-1 hr  1-1.5 hrs  1.5-2 hrs  >2 hours (please indicate): \_\_\_\_\_

### OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Plastic <u>3</u> % <u>.023</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft.                                 |
| <input checked="" type="checkbox"/> Paper <u>3</u> % <u>.023</u> cubic ft.   | <input checked="" type="checkbox"/> Leaves/vegetation <u>41</u> % <u>.31</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>53</u> % <u>.4</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft.                                 |
|  | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft.                         |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

**City of Clayton Trash Hot Spot Location – Clayton Station (behind Safeway) Mt. Diablo Creek (segment)**





**City of Clayton MRP – Trash Hot Spot Location**  
behind Safeway – Mt Diablo Creek segment near city public easement trail – creek is privately owned by Las Trampas Investments (Clayton Station Shopping Center – Clayton Road/Kirker Pass Road)



FY 15-16  
2016  
(June 23, 2016)

TRASH HOT SPOT PHOTO LOCATIONS





## Trash Hot Spot Cleanup Data Collection Form

Name of Recorder: John Johnston  
 Cleanup Date: 6/23/2016

**I. Site Information**

Site ID# CAL-01      Watershed: Mt. Diablo  
 Lat: 37.954434      Long: -121.953852  
 Ownership: Las Trampas Investment      Jurisdiction(s): City of Clayton  
 Waterbody: Mt. Diablo Creek

**II. Trash Information**

1. Describe trash type (Provide % of total trash by volume):  
 \*List of potential trash items on back

Item:	Percentage:	amount	Item:	Percentage:	amount
Plastic bags	2.00%	various	Construction debris*		
Convenience/Fast Food items*			Toxic substances*		
Bottles (plastic or glass)	2.00%	various	Large items*		
Aluminum cans	4.00%		Miscellaneous items*		
Styrofoam (pieces or pellets)	2.00%		Fabric and cloth*		shopping cart; bicycle
Other plastic products*			Yard waste (incl. trees)	70.00%	Branches
Paper and cardboard*			Leaf litter piles	5.00%	2 bags
Cigarette butts			Glass pieces		
Spray paint cans			Golf or tennis balls		
Metal products*			Other*		
Biohazards*			Other*		

2. Potential trash pathways/sources (Check all that apply):

Trash accumulation  Homeless encampments  
 Litter  Outfall  Other  
 Illegal dumping  Multiple  Unknown

3. Identify adjacent land uses to trash area (Check all that apply):

Residential (Single-family)       Industrial  
 Residential (High-density)       Public/Institutional  
 Commercial       Mixed-use  
 Other Developed

**III. Trash Removal**

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 40 7 GAL OR Cubic Yards: .07  
Total # of bags: 1/6

**IV. Photo Documentation**

Photo#	Before Cleanup Photograph ID	Photo#	After Cleanup Photograph ID
1	SEE ATTACHED	1	SEE ATTACHED
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	

**Notes:**

Minimal trash in the area.  
See attached for before and after photos.



## AREA #1



### **NOTES:**

No debris found in this area.



## AREA #2

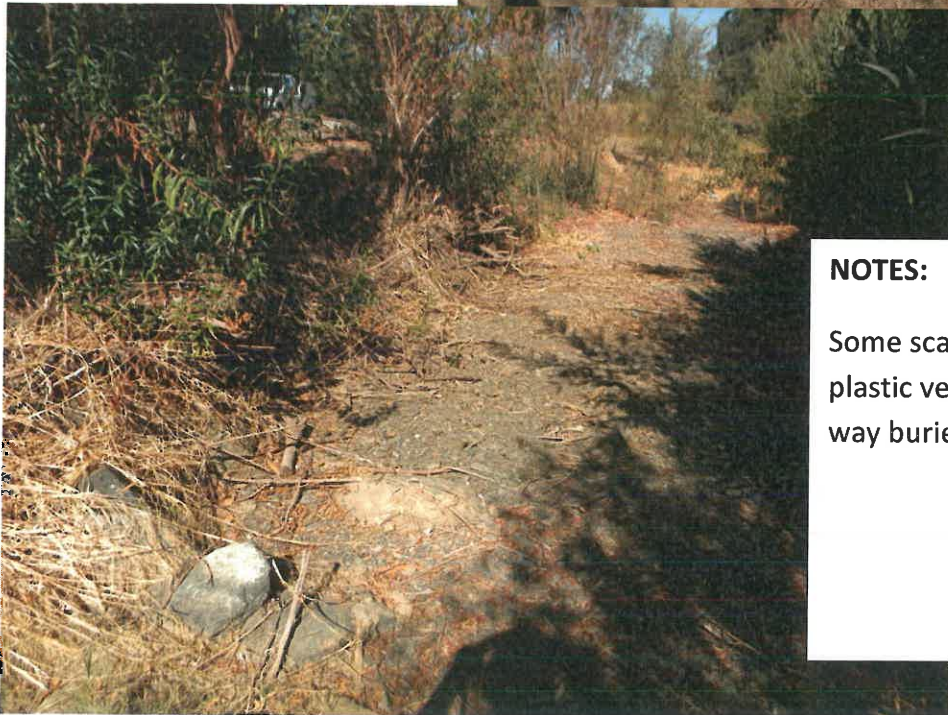


### **NOTES:**

Small amount of debris mostly paper scraps and plastic bags. Abandoned shopping cart found.



### AREA#3



#### **NOTES:**

Some scattered debris with paper, plastic very little. Mountain bike half way buried in creek bed.



## AREA#4



**NOTES:**

Very small amount of scattered debris  
made up of mostly paper and plastic.



## AREA #5



**NOTES:**

Small amount of debris made up of mostly paper and plastic. Very little.



## AREA#6



**NOTES:**

No debris found. Area looked good.



## AREA #7



**NOTES:**

No debris found. Area looked good.



## AREA #8



**NOTES:**

Small amount of debris. Plastic bags and cups.





Attachment C10d

COMMUNITY  
DEVELOPMENT (925) 673-7340  
ENGINEERING (925) 363-7433

6000 HERITAGE TRAIL • CLAYTON, CALIFORNIA 94517-1250  
TELEPHONE (925) 673-7300 FAX (925) 672-4917

City Council  
HANK STRATFORD, MAYOR  
DAVID T. SHUEY, VICE MAYOR  
JIM DIAZ  
HOWARD GELLER  
JULIE K. PIERCE

September 4, 2014

Via fax (916) 558-3177

The Honorable Edmund "Jerry" Brown  
Governor, State of California  
State Capitol Building, Suite 1173  
Sacramento, CA 95814

**Re: Request for Signature: SB 270 (Padilla, de León, and Lara) Single-Use Grocery Bags Bill**

Dear Honorable Governor Brown,

The City Council of Clayton **strongly supports Senate Bill 270**, which will reduce bag pollution and waste by restricting single-use plastic grocery bags and placing a ten cent minimum charge on paper and reusable bags. We respectfully urge you to sign the bill into law.

As a small populated city (11,000+) in Contra Costa County with limited governmental revenues, our City Council has long desired to ban within our community the single-use plastic grocery bags. Unfortunately, we cannot endure the plastic industry's opposition to this objective, threats of litigation, nor suffer the expense of preparing our own environmental study to enact the local ban. SB 270 offers a universal statewide approach to this desired ban, one which will aid in keeping our community's streams, creeks and sensitive habitats free of clogging plastic bags.

Plastic bags are a costly, environmentally damaging, and easily preventable source of litter and pollution. Light and aerodynamic, plastic bags are uniquely litter-prone even when properly disposed of, and pose a serious threat to the riparian and marine environment and wildlife. When no longer visible to the naked eye, plastic bags have degraded into tiny particles that absorb toxins and contaminate our food chain and water and soil quality.

There is no free bag. Single use plastic bags are costly to both consumers and taxpayers. The more than 13 billion single use plastic bags distributed by California grocers cost over \$200 million annually. The costs of these one-time use products are passed on to consumers in the form of higher grocery prices.

Californian taxpayers pay a second time. In 2013, California communities reported to NRDC that they are spending \$428 million every year to prevent and clean up litter that pollutes our waterways. Based on litter studies, plastic bags represent as much as 10%-25% of litter; plastic bag pollution prevention may represent up to \$43-107 million in local government costs. And waste management facilities are losing as much as \$1 million each year to deal with plastic bags in their machinery, as reported by the City of San Jose in 2010.

Numerous cities and towns in our Bay Area have already adopted local bans on plastic bags and would be grandfathered into this bill. Our City wishes it could join them – SB 270 provides us that uniform opportunity. The results from these existing policies demonstrate both environmental and economic success, and public support. The City of Clayton supports extending this solution statewide.

The economic and environmental costs of single-use plastic bags simply outweigh any short-term benefit. Phasing out single use plastic bags will reduce plastic pollution and the costs associated with it.

Please sign SB 270 into California law and once again provide national leadership on this issue.

Sincerely,



Hank Stratford  
Mayor

cc:

Gareth Elliot, Legislative Secretary, Office of the Governor, [Gareth.Elliott@GOV.CA.GOV](mailto:Gareth.Elliott@GOV.CA.GOV)  
Graciela Castillo-Krings, Deputy Legislative Secretary, Office of the Governor, [Graciela.Castillo-Krings@GOV.CA.GOV](mailto:Graciela.Castillo-Krings@GOV.CA.GOV)  
Caroll Mortensen, Director of CalRecycle, [Caroll.Mortensen@calrecycle.ca.gov](mailto:Caroll.Mortensen@calrecycle.ca.gov)  
Californians Against Waste, [suevang@cawrecycles.org](mailto:suevang@cawrecycles.org)  
Honorable Clayton City Council Members

**Laura Hoffmeister**

---

**Subject:** FW: clayton data needed

---

**From:** Ana Hidalgo [mailto:ahidalgo@cleanstreet.com]  
**Sent:** Friday, October 28, 2016 4:41 PM  
**To:** Laura Hoffmeister  
**Cc:** Nita Moran  
**Subject:** RE: clayton data needed

Hi Laura,

Below is the Street Sweeping Tonnage for Clayton by month from 7/01/15 - 06/30/16.

<b>MONTH</b>	<b>TONNAGE</b>
Jul-15	6.30
Aug-15	8.52
Sep-15	7.89
Oct-15	6.25
Nov-15	6.27
Dec-15	6.87
Jan-16	11.28
Feb-16	7.58
Mar-16	5.79
Apr-16	4.88
May-16	7.57
Jun-16	6.61
<b>TOTAL</b>	<b>85.81</b>

Kind regards,

*Ana Hidalgo*

Accounts Payable Analyst

**CleanStreet, Inc.**

ahidalgo@cleanstreet.com

Phone: (310) 436-6515 | E-Fax (424) 233-1902

City of Clayton

Republic Services Curbside Collection Data for FY 15-16

	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015	1/1/2016	2/1/2016	3/1/2016	4/1/2016	5/1/2016	6/1/2015	Total
Oil filters	13	3	10	20	13	10	20	17	16	21	22	20	185
Batteries	412	314	1440	386	343	377	513	659	1327	770	760	1749	9050
Lightbulbs	98	4	46	111	94	112	73	116	108	160	137	108	1167
Mattresses	18	2	4	12	4	5	3	6	14	9	8	12	97
E-waste	5	4	9	11	13	5	7	6	18	19	13	18	128
White Goods	13	11	22	17	13	12	10	9	24	15	12	15	173
Used Oil (gal)	97.26	28.48	55.35	88.75	50.55	78.08	85.2	181.13	84.04	98.11	98.41	125.86	1071.22



## Laura Hoffmeister

---

**To:** Johnson, Sandy (Clayton PD)  
**Subject:** RE: Sharps/Pharms

---

**From:** Johnson, Sandy (Clayton PD) [<mailto:sandy.johnson@claytonpd.com>]  
**Sent:** Monday, September 26, 2016 4:09 PM  
**To:** Laura Hoffmeister  
**Subject:** Sharps/Pharms

Hi Laura,

July 1, 2015 thru June 30, 2016

Here are the numbers of pounds you requested:

Pharms: 677.05 lbs.

Sharps: 507 lbs.

Thanks.

Sandy

**ORDINANCE NO. 455**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON, ADDING  
CHAPTER 9.35 TO THE CLAYTON MUNICIPAL CODE REGARDING CAMPING**

**THE CITY COUNCIL  
City of Clayton, California**

**THE CITY COUNCIL OF THE CITY OF CLAYTON DOES ORDAIN AS FOLLOWS:**

**Section 1. Amendment.** Chapter 9.35 is hereby added to the Clayton Municipal Code to read in full as set forth in the attached Exhibit A, incorporated by this reference.

**Section 2. Severability.** If any section, subsection, sentence, clause, or phrase of this Ordinance, or the application thereof to any person or circumstances, is held to be unconstitutional or to be otherwise invalid by any court competent jurisdiction, such invalidity shall not affect other provisions or clauses of this Ordinance or application thereof which can be implemented without the invalid provisions, clause, or application, and to this end such provisions and clauses of the Ordinance are declared to be severable.

**Section 3. Conflicting Ordinances Repealed.** Any ordinance or part thereof, or regulations in conflict with the provisions of this Ordinance, are hereby repealed. The provisions of this Ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this Ordinance.

**Section 4. Effective Date and Publication.** This Ordinance shall become effective thirty (30) days from and after its passage. Within fifteen (15) days after the passage of the Ordinance, the City Clerk shall cause it to be posted in three (3) public places heretofore designated by resolution of the City Council for the posting of ordinances and public notices. Further, the City Clerk is directed to cause Section 1 of this Ordinance to be entered into the City of Clayton Municipal Code.

The foregoing Ordinance was introduced at a regular public meeting of the City Council of the City of Clayton held on April 15, 2014.

Passed, adopted, and ordered posted by the City Council of the City of Clayton at a regular public meeting thereof held on May 6, 2014 by the following vote:

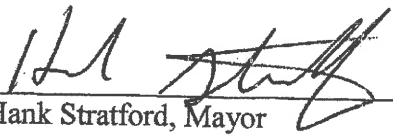
AYES: Mayor Stratford, Vice Mayor Shuey, Councilmembers Geller and Pierce.

NOES: None.

ABSENT: Councilmember Diaz.

ABSTAIN: None.

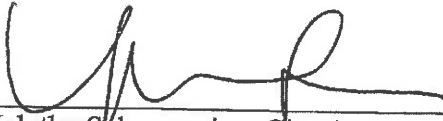
**THE CITY COUNCIL OF CLAYTON, CA**

  
Hank Stratford, Mayor

ATTEST

  
Janet Brown, City Clerk

APPROVED AS TO FORM



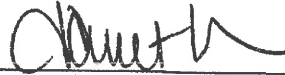
Malathy Subramanian, City Attorney

APPROVED BY ADMINISTRATION



Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held on April 15, 2014 and was duly adopted, passed, and ordered posted at a regular meeting of the City Council held on May 6, 2014.



Janet Brown, City Clerk



**EXHIBIT A**

**Chapter 9.35**

**CAMPING**

**Sections:**

- 9.35.010**      **Definitions.**
- 9.35.020**      **Camping.**
- 9.35.030**      **Public urination.**
- 9.35.040**      **Enforcement.**

**9.35.010**      **Definitions.**

Unless the particular provisions or context requires otherwise, the definitions contained in this section shall govern the construction, meaning and application of words and phrases in this chapter.

“Camp facilities” include, but are not limited to, tents, huts, or temporary shelters, trailers, and any other vehicle.

“Camp paraphernalia” includes, but is not limited to, collapsible shelters, cots, beds, sleeping bags, bed rolls, hammocks, barbeques, open fires, portable stoves or other cooking equipment not provided or approved by the city.

“Store” means to put aside or accumulate for use when needed, to put for safekeeping, or to place or leave in a location.

**9.35.020**      **Camping.**

A. No person shall camp anywhere in the city, whether on public or private property, except as hereinafter expressly permitted. “To camp” means to do any of the following:

1. Sleeping (10:00 p.m. to 8:30 a.m.). To sleep at any time between the hours of 10:00 p.m. and 8:30 a.m. in any of the following places:

- (a) Outdoors, with or without camp paraphernalia.
- (b) In, on, or under any structure not intended for human occupancy, whether with or without bedding, tent, hammock, or other similar protection or equipment.

2. Setting up camping paraphernalia (10:00 p.m. to 8:30 a.m.). To establish or maintain, outdoors or in, on, or under any structure not intended for human occupancy, at any time between the hours of 10:00 p.m. and 8:30 a.m., a temporary or permanent place for sleeping by setting up any camp facilities or camp paraphernalia in such a manner as to be immediately usable for sleeping purposes.

3. Setting up campsite (any time). It shall be unlawful for any person to store personal property, including camp facilities and camp paraphernalia, in the following areas, except as otherwise provided:

- (a) Any park.
- (b) Any street or right of way, including sidewalks, bus stops and public landscaping; and
- (c) Any parking lot, yard, building set-back, vacant land, open space or any other area open or accessible to the public, improved or unimproved.

B. Camping is permitted in the city only in the following circumstances:

1. Camping in public areas specifically set aside and clearly marked for public camping purposes;

2. Camping events authorized by the city;

3. Camping in the yard of a residence, with the consent of the owner or occupant of the residence, where the camping is in the rear yard of the residence or where the camping is in an area of a side yard of the residence that is separated from view from the street by a fence or hedge or other obstruction; except that camping shall not be permitted under this subsection where it is conducted in such a manner as to constitute a nuisance because of noise, inadequate sanitation, or other matters offensive to persons of ordinary sensibility; nor shall camping be permitted under this subsection where the camping in any yard is of such frequency, intensity, or duration as to constitute a use of land prohibited by any provision of this Code; nor shall camping be permitted under this subsection where any fee, charge, or other monetary consideration is collected for the privilege of camping or for any services or the use of any facilities related thereto; and

4. Camping events for minors sponsored by any nonprofit organization; except that camping shall not be permitted under this subsection where it is conducted in such a manner as to constitute a nuisance because of noise, inadequate sanitation, or other matters offensive to persons of ordinary sensibility; nor shall camping be permitted under this subsection where the camping at any location is of such frequency, intensity, or duration as to constitute a use of land prohibited by any provision of this Code.

**9.35.030 Public urination.**

No person shall urinate or defecate in public except when using a urinal, toilet or commode located in a restroom, or when using a portable or temporary toilet or other facility designed for the sanitary disposal of human waste and which is hidden from public view. No person shall urinate or defecate in or upon any public street, sidewalk, alley, plaza, park, public building or other publicly maintained facility or place, or upon the private property of another without the consent of the owner or person in lawful possession, or in any place open to the public or exposed to public view.

Ordinance No. 455

**9.35.040 Enforcement.**

A violation of this chapter shall be a misdemeanor punishable in accordance with section 1.20.010 or as otherwise provided for in this Code.

# Attachments City of Clayton for Section C-11



City of Clayton

Republic Services Curbside Collection Data for FY 15-16

	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015	1/1/2016	2/1/2016	3/1/2016	4/1/2016	5/1/2016	6/1/2015	Total
<b>Oil filters</b>	13	3	10	20	13	10	20	17	16	21	22	20	185
<b>Batteries</b>	412	314	1440	386	343	377	513	659	1327	770	760	1749	9050
<b>Lightbulbs</b>	98	4	46	111	94	112	73	116	108	160	137	108	1167
<b>Mattresses</b>	18	2	4	12	4	5	3	6	14	9	8	12	97
<b>E-waste</b>	5	4	9	11	13	5	7	6	18	19	13	18	128
<b>White Goods</b>	13	11	22	17	13	12	10	9	24	15	12	15	173
<b>Used Oil (gal)</b>	97.26	28.48	55.35	88.75	50.55	78.08	85.2	181.13	84.04	98.11	98.41	125.86	1071.22



# DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

1001 I STREET, SACRAMENTO, CALIFORNIA 95814 • www.CalRecycle.ca.gov • (916) 322-4027  
P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812

## Form CalRecycle 303 Household Hazardous Waste Collection Information For 2015-2016

**Name of Public Agency Reporting:** City of Clayton

**HHW Program Manager:** Laura Hoffmeister ,Assistant to the City Manager

**Address:** City of Clayton 6000 Heritage Trail Clayton, CA 94517

**Phone Number:** (925) 673-7308

**Fax Number:** (925) 672-4917

**Email:** LHoffmeister@ci.clayton.ca.us

**Contractor's Name:** Republic Services

**Participating Households:** 0      **Method:** info not available

**Service Area Households:** 3,803

Participating Households includes non-residential (CESQG,schools,nonprofits,etc.): No

**Participants Represented by Reporting Jurisdiction/Agency (i.e., individual city(ies), county(ies), other agency(ies)):**

Clayton

**Permanent Facilities within Program Service Area:**

**Program Types:**

Program Type	EPAID	Program Type	EPAID
Curbside Program	CAD044191377	Civic Drop-Sharps	CAL000370547



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Collection (pounds)	Material Type	Permanent Facility	Temporary (periodic) Facility	Mobile Facility	Recycle-only Facility (residential) Program	Curbside Program	Load Check	Other
Flammable and Poison	Flammable solids / liquids							
	Bulked flammable liquids							
	Oil-based paints							
	Paint Related Material (PRM)							
	Poisons							
	Reactive and explosive Compressed gas cylinders							
	<b>Flammable and Poison subtotal</b>							
PCB-containing	PCB-containing paint							
	Other PCB waste (includes ballasts)							
	<b>PCB-containing subtotal</b>							
Reclaimable	Antifreeze							
	Auto type batteries (motor vehicles)							
	Latex paint							
	Motor oil/oil products					8,033		
	Used oil filters (recyclables only)					278		
	<b>Reclaimable subtotal</b>					<b>8,310</b>		
Acid Base Oxidizer Asbestos Universal Waste (UW)*	Inorganic and organic acid							
	Inorganic and organic base							
	Neutral oxidizers, Organic peroxides, Oxidizing acid/base							
	Asbestos							
	Mercury containing automatic switches / thermometers / and novelties							
	Mercury containing thermostats							
	Mercury containing waste (other)							
	Lamps						292	
	Rechargeable batteries							
	Other batteries							9,050
Electronic Devices (UW)	Aerosol cans							
	Covered Electronic Devices							



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Collection (pounds)	Material Type	Permanent Facility	Temporary (periodic) Facility	Mobile Facility	Recycle-only Facility (residential)	Door to Door Program	Curbside Program	Load Check	Other
Electronic Devices (UW)	Other Electronic Devices						128		
	<b>Electronic Devices (UW) subtotal</b>						<b>128</b>		
<b>Universal Waste (UW)* + Electronic Devices (UW) subtotal</b>									
Other	Home-generated sharps waste								507
	Home-generated pharmaceutical waste								
	Treated wood								
	Other								
	<b>Reuse Total</b>								<b>507</b>
<b>Other subtotal</b>									
							<b>17,780</b>		<b>507</b>
<b>Grand Total</b>									<b>507</b>





# DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

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 P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812

Disposition (pounds)	Material Type	Destructive Incineration	Fuel Incineration	Landfill	Neutralization / Treatment	Recycled	Reused	Stabilization	Steward
Flammable and Poison	Flammable solids / liquids								
	Bulked flammable liquids								
	Oil-based paints								
	Paint Related Material (PRM)								
	Poisons								
	Reactive and explosive								
	Compressed gas cylinders								
	<b>Flammable and Poison subtotal</b>								
PCB-containing	PCB-containing paint								
	Other PCB waste (includes ballasts)								
	<b>PCB-containing subtotal</b>								
Reclaimable	Antifreeze								
	Auto type batteries (motor vehicles)								
	Latex paint								
	Motor oil/oil products					8,033			
	Used oil filters (recyclables only)					278			
	<b>Reclaimable subtotal</b>					<b>8,310</b>			
Acid	Inorganic and organic acid								
	Inorganic and organic base								
Oxidizer	Neutral oxidizers, Organic peroxides, Oxidizing acid/base								
	Asbestos								
Universal Waste (UW)*	Mercury containing automatic switches / thermometers / and novelties								
	Mercury containing thermostats								
	Mercury containing waste (other)								
	Lamps							292	
	Rechargeable batteries								
Electronic Devices (UW)	Other batteries								9,050
	Aerosol cans								
	Covered Electronic Devices								



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 P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812

Disposition (pounds)	Material Type	Destructive Incineration	Fuel Incineration	Landfill	Neutralization / Treatment	Recycled	Reused	Stabilization	Steward
Electronic Devices (UW)	Other Electronic Devices					128			
	<b>Electronic Devices (UW) subtotal</b>					<b>128</b>			

	<b>Universal Waste (UW)* + Electronic Devices (UW) subtotal</b>					<b>9,470</b>			
Other	Home-generated sharps waste				507				
	Home-generated pharmaceutical waste								
	Treated wood								
	Other								
	<b>Reuse Total</b>				<b>507</b>				
	<b>Other subtotal</b>				<b>507</b>				
	<b>Grand Total</b>				<b>507</b>	<b>17,780</b>			

Clayton 2016

# Residential Services Guide



Reduce, Reuse, Recycle



## BULKY ITEMS Free Pickup for E-Waste, Too

Clayton residents may have any item listed here, such as mattresses, furniture, appliances and other large pieces, picked up at no charge at the curbside. Just call the office at (925) 685-4711 to schedule.

- Air conditioner (pickup & Freon removal)
- Computer monitors
- Couch/sofa
- Dishwasher
- Dryer
- Electronics
- Freezer (pickup & Freon removal)
- Hot water heater
- Hide-a-bed
- Double mattress
- Double box spring
- Twin mattress
- Twin box spring
- Queen mattress
- Queen box spring
- King mattress
- King box spring
- Refrigerator (pickup & Freon removal)
- Stove
- Washer
- Swamp cooler
- Tires (less than 19 inches)



- Tires with rim (less than 19 inches)
- Tires (larger than 19 inches)
- Tires with rim (larger than 19 inches)
- TV (32 inches or smaller)
- TV (32 inches or larger)

### Free E-Waste Pickups

There is no charge for collection of e-waste in Clayton. Call (925) 685-4711 to schedule a pickup.



### Recycle Batteries, CFLs

Household batteries and compact fluorescent lights are hazardous waste but can be recycled curbside. Place batteries in quart-size Ziploc bag, seal and leave next to your brown recycling cart. Do the same in a separate Ziploc bag for CFLs.







# Household Hazardous Waste Collection Facility

4797 Imhoff Place, Martinez, CA 94553-4392  
1-800-646-1431 • www.centrialsan.org



Protecting Public Health and the Environment

## HOURS OF OPERATION

**Residents:**  
*(no appointment needed)*

Monday through Saturday:  
9 a.m. - 4 p.m.

**Businesses:**

Monday through Saturday

**By appointment only**

**Closed:**

Sunday  
and most major Holidays

## The Solution to Pollution

**M**any products in your home contain chemical compounds that can poison, corrode, explode, or ignite when handled improperly. (See list of Items on reverse.) When discarded, these substances become household hazardous waste (HHW) and can threaten human health and the environment. For this reason, it is illegal to dispose of HHW in the trash or down any drain. That is why the Central Contra Costa Sanitary District established the HHW Program—to provide local residents with convenient and environmentally safe HHW disposal.

Hazardous wastes brought to our Household Hazardous Waste Collection Facility will never reach waterways through sewers, storm drains, or landfills. To help prevent pollution of our water environment, please bring your HHW to the facility.



**THERE IS NO DROP-OFF FEE FOR ELIGIBLE RESIDENTS!**

## COMMUNITIES ELIGIBLE TO USE THE FACILITY

The collection program services are paid for by members of the communities on the map at right as part of their sewer service charge. Partnership agreements between CCCSD, MVSD, Concord, Clayton, and San Ramon (for southern area) ensure that all central county residents have access to these services.





# What Can You Bring to the Household Hazardous Waste Facility?

## Household products

- Batteries
- Fluorescent bulbs & compact fluorescent lights (CFLs)
- Mercury thermostat switches
- Grouts/caulking
- Pool chemicals

## Paint and paint-related products

- Latex & oil-based paints
- Wood stain & varnishes
- Paint remover/paint thinner & solvents



## Household cleaning products

- Bleach
- Liquid cleaners
- Upholstery/rug cleaners
- Oven cleaners
- Furniture polishes
- Tub & tile cleaners

## Personal care products

- Mercury fever thermometers
- Fingernail polish & remover
- Hair care products
- Perfumes & colognes

## Automotive products

- Motor oil
- Gasoline
- Antifreeze
- Brake fluid
- Transmission fluid
- Solvents
- Car batteries
- Car cleaning products

## Garden care and pest-control products

- Pesticides
- Herbicides
- Fertilizers

## Other

- Cooking oils and grease (large quantities, as from a turkey fryer)
- Propane tanks (5 gallon or less)



## Free Stuff !

The facility has a Reuse Room stocked with items brought in for disposal that are still in useable condition. The inventory often includes paint, wood stain, garden products and a wide variety of deansers—and they're all free to facility users! The Reuse Room is open Tuesday – Saturday, 9 a.m. – 3:30 p.m.

## We do not accept:

- Medicines
- Medical wastes (including sharps—syringes, needles, lancets, etc.)
- Electronic waste (computers, TVs, cell phones, etc.)
- Explosives (ammunition, picric acid, fireworks, etc.)
- Compressed gas cylinders (propane accepted)
- Wastes contaminated with PCBs (fluorescent light ballasts accepted)
- Treated wood wastes

State regulations limit the transportation of hazardous waste to 15 gallons or 125 pounds per visit. Individual containers are limited to 5-gallon capacity.

There is no drop-off fee and no appointment necessary for residents of central Contra Costa County. Small businesses require an appointment and are charged a nominal fee. For more information, please call 1-800-646-1431 or visit our website: [www.centalsan.org](http://www.centalsan.org)

## HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY HOURS AND LOCATION

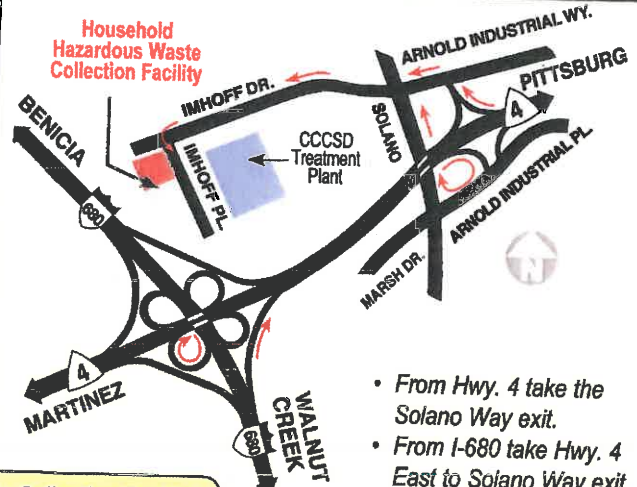
**Residents:** Monday – Saturday, 9 a.m. - 4 p.m.  
(Reuse Room closes at 3:30 p.m.)

**Businesses:** Monday – Saturday, by appointment only

**Phone: 1-800-646-1431**  
**[www.centalsan.org](http://www.centalsan.org)**



**Household Hazardous Waste Collection Facility**  
4797 Imhoff Place, Martinez, CA 94553-4392



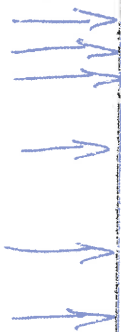
- From Hwy. 4 take the Solano Way exit.
- From I-680 take Hwy. 4 East to Solano Way exit.

## What HHW is Accepted

This list does not include everything we accept. If you have any questions, please call the HHW info line at 1-800-646-1431



Home, Garden, & Misc. Products	Automotive Products	Paint & Paint-Related Products	Household Cleaning Products & Items	Personal Care Products
<ul style="list-style-type: none"> <li>• Grouts</li> <li>• Cements</li> <li>• Caulking</li> <li>• Sealants</li> <li>• Fertilizers</li> <li>• Pesticides</li> <li>• Herbicides</li> <li>• ant stakes</li> <li>• fluorescent lamps (all types)</li> <li>• household batteries</li> <li>• mercury thermometers</li> <li>• mercury switches</li> <li>• propane cylinders (5 gal. or less)</li> <li>• ballasts</li> <li>• pool chemicals</li> <li>• chlorine</li> <li>• bromine</li> <li>• cooking oil</li> <li>• fire extinguishers</li> <li>• aerosol sprays</li> </ul>	<ul style="list-style-type: none"> <li>• motor oil</li> <li>• car batteries</li> <li>• brake fluid</li> <li>• transmission fluid</li> <li>• antifreeze</li> <li>• waxes</li> <li>• polishes</li> <li>• car cleaners</li> <li>• car paints</li> <li>• refrigerants</li> <li>• grease</li> <li>• degreasers</li> <li>• solvents</li> <li>• wheel cleaners</li> <li>• road flares</li> </ul>	<ul style="list-style-type: none"> <li>• paints</li> <li>• stains</li> <li>• varnishes</li> <li>• water</li> <li>• repellants</li> <li>• glazes</li> <li>• wax</li> <li>• wood oils</li> <li>• aerosol paints</li> <li>• thinners</li> <li>• coatings</li> <li>• paint additives</li> <li>• curatives</li> <li>• epoxy resins</li> <li>• wall paper pastes</li> <li>• adhesives</li> <li>• wall paper removers</li> <li>• paint removers</li> <li>• asbestos (special disposal requirements)</li> </ul>	<ul style="list-style-type: none"> <li>• liquid cleaners</li> <li>• upholstery cleaners</li> <li>• oven cleaners</li> <li>• furniture polish</li> <li>• tub &amp; tile cleaners</li> </ul>	<ul style="list-style-type: none"> <li>• shampoos</li> <li>• hair sprays</li> <li>• hair care products</li> <li>• lotions</li> <li>• perfumes/ colognes</li> </ul>





## More Information About Asbestos



### **Where Can Asbestos Be Found?**

Asbestos is present in many common building materials used in private homes and in public buildings. An asbestos containing product cannot be determined by sight. The only way to determine if asbestos is definitely present in a building material is through a microscopic analysis by an approved laboratory.

### **Is Asbestos Dangerous?**

The process of removing asbestos can be hazardous. Special techniques and equipment are needed to minimize the risks. Without precautions, you can expose yourself as well as other household members to air-borne asbestos. Asbestos fibers are lightweight, so they can stay suspended in the air for many hours. You should consider removal only if encapsulation is not practical. Hire qualified contractors that have been state licensed or EPA certified if removal is necessary.

### **Asbestos Waste Acceptance (Friable Asbestos Only)**

The Central Contra Costa Sanitary District HHW Facility accepts friable asbestos containing materials (FACM) only. Friable asbestos is any material containing more than one percent asbestos and that can be crumbled or reduced to powder by hand pressure. Forms of friable asbestos can be found in materials and products made prior to the mid 1970's such as "popcorn" ceiling coatings, uncoated pipe insulations (without the pipe or ducting), appliance insulation, and ceiling tiles. A certification by a licensed laboratory showing the material contains asbestos may be required.

### **Packaging Asbestos**

The FACM must be wet-down to prevent dusting. Do not soak or over-wet the FACM to cause free liquids to be present. Double-bag asbestos waste into 6mil (or greater) plastic bags. Seal individual bags with duct tape. Label each double bag boldly with "ASBESTOS CONTAINING MATERIAL". This can be done by marking a strip of duct tape on at least two sides of the bags or attaching a marked tag at the closure point. Each bag may not weigh more than 50 pounds. The maximum amount of FACM that can be transported at one time is 125 pounds.

### **Non-Friable Asbestos Disposal**

Forms of Non-Friable asbestos are material such as floor tiles, asbestos pipe, transite siding or pipe, and coated pipe insulation. These materials can be taken to the following sites:

#### **NORCAL WASTE SYSTEMS**

6426 Hay Road  
Vacaville, CA 95687  
(707) 678-4718

#### **WASTEMANAGEMENT ALTAMONT LANDFILL**

10840 Altamont Pass Road  
Livermore, CA 94550  
(800) 449-6349

**Attachments**  
**City of Clayton**  
**for Section C-13**



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City of Clayton Stormwater Requirement for Swimming Pool and/or Spa at \_\_\_\_\_:

**Rainy Conditions**

The proposed swimming pool and/or spa details does not show a pool water overflow drain. The homeowner will therefore need to install a temporary overflow line from the pool and/or spa to the house's sanitary sewer cleanout or landscape areas in order to avoid overflows in the event of heavy rains.

**Non-Rainy Conditions**

All pool and/or spa water overflow or pool and/or spa water drainage by homeowner for maintenance shall be drained either to a sanitary sewer clean out or to a landscape planter area on their property. Pool and/or spa water shall not be drained to the street, gutter, or storm drain.

The swimming pool/spa installer \_\_\_\_\_ must explain and review this swimming pool/spa water maintenance and overflow requirement with the homeowner, so there is a clear understanding of the homeowner's responsibilities and how this is done, and provide the homeowner with the attached brochure on "Draining Pools & Spas".

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PRSR STD  
 U.S. Postage  
 PAID  
 Redwood City,  
 CA  
 Permit No. 688

PRIORITY MAIL

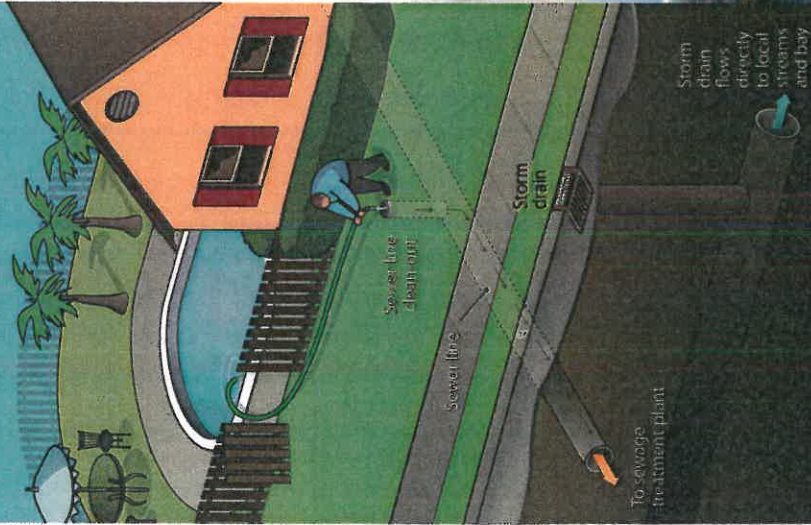
Contra Costa Clean Water Program



255 Glacier Drive  
 Martinez, CA 94553

# DRAINING POOLS & SPAS

Keep pool, spa and  
 fountain water out of  
 storm drains, creeks and  
 the Bay.



Storm drains flow directly  
 into our creeks and  
 the Bay.

## Did you know...?

- Draining pools, spas and fountains to storm drains can pollute creeks, the Delta and the Bay with copper, chlorine, sediments and other contaminants. Storm drains flow directly into our creeks, Delta and the Bay without treatment.
- Pools, spas and fountains should only be discharged to the sanitary sewer and only after obtaining permission from your local wastewater treatment authority.
- Copper is a pollutant that threatens aquatic life in our creeks, Delta and the Bay. It is used as an algicide in pools, spas and fountains and copper pipes commonly used in pool plumbing.
- Wastewater treatment plants remove some, but not all, copper from sewage. It's essential to reduce or eliminate the use of copper in pools, spas and fountains so that disposal of pool water to the sanitary system is possible.

A properly maintained pool,  
 spa and fountain will reduce  
 the need for draining.

## Maintaining

- Prevent algae problems and reduce the need for draining by: cleaning regularly, maintaining proper chlorine levels and maintaining water filtration and circulation.
- Manage pH and water hardness to minimize copper pipe corrosion that can stain your pool and potentially end up in our creeks, Delta and the Bay.
- Resolve persistent algae problems without copper algaecides. Use chlorine or other copper-free alternatives. Ask your pool maintenance service or pool chemical supplier for help. Or search for environmentally-friendly algaecides on the internet.

## Filter Cleaning

- Never clean a filter in the street, gutter, or in or near a storm drain.
- Rinse cartridge filters with water onto a dirt area and spuds filter residue into the soil.
- Backwash sand and diatomaceous earth filters onto a dirt area. Dispose of spent filter materials in the trash. Keep backwash discharges out of the street and storm drain.
- If you don't have a suitable dirt area, contact your local wastewater treatment authority listed in this brochure for instructions on discharging to the sanitary sewer.
- Contact your local household hazardous waste facility regarding proper disposal of pool chemicals. <http://www.co.contra-costa.ca.us/depart/cd/recycle/options/v09951.htm>











## Fact Sheet

### BEST MANAGEMENT PRACTICES



BMPs facilitate regulatory compliance; they go beyond meeting established minimum requirements. They are ways of carrying out your business activities that can significantly reduce the risk of pollution and may even save you money. They are good for your business, your customers and the environment.

### COMPLIANCE

State law mandates that local agencies set minimum standards to protect the sanitary sewer and storm drain systems. This Fact Sheet includes minimum standards for regulatory compliance set by CCCSD and by your city's Stormwater Ordinance.

# Maintaining Pools, Spas, and Fountains

Routine maintenance of swimming pools, spas, and fountains generates a variety of wastes, such as filter backwash residues, algaecides, acid washes and solids. The wastes and chemicals in the water can negatively impact our environment when discharged improperly. Follow these minimum standards and Best Management Practices (BMPs) to help protect public health and the environment.

### MINIMUM STANDARDS

- Never drain swimming pools, spas, or fountains to a storm drain.
- Obtain a discharge permit (there is no fee) for draining to the sanitary sewer.
- Route Diatomaceous Earth (DE) filter backwash water through a solid separator before discharging it to the sanitary sewer. No direct connection to the sanitary sewer is permitted.
- Dumping DE material or any other filter media into the sanitary sewer is prohibited.
- Ensure the water pH is between 5.5 and 11.5 pH units before discharging to the sanitary sewer.
- Ensure the water flow does not exceed the **maximum flow rate of 20 gallons per minute** when discharging to the sanitary sewer.
- Outdoor showers and drains connected to the sanitary sewer shall be roofed, bermed, and sloped to prevent stormwater from entering the sanitary sewer.
- If there are sanitary sewer drains in the chemical room, store all chemicals inside secondary containment\*. Ensure secondary containment has capacity to hold the biggest spill.

\***Secondary Containment:** A container or structural barrier placed under or around a receptacle and used as a second line of defense to hold the contents of the receptacle in the event of an accidental spill or leak.



Obtain a discharge permit (there is no fee) for draining to the sanitary sewer.



## **BEST MANAGEMENT PRACTICES (BMPs)**

- Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide (use of copper-based algaecides may limit options for proper disposal of water).
- Do not discharge acid cleaning waste into the sanitary sewer, street, or storm drain; pH neutralization may be required before discharge to the sanitary sewer.
- Do not drain a pool, spa, or fountain within 5 days of adding chemicals.
- For your protection, check to make sure no water is backing up into your house, your neighbor's house, or into the street during discharge. If the water backs up, turn off the pump. You may have a blockage (call a plumber if necessary), or the flow rate is higher than authorized by the permit.
- Store chemicals in the original containers with original labels.
- Keep containers closed when you are not using them.
- Read the printed information (e.g., MSDS\*\*) for chemicals and the instructions on the label and follow them carefully.
- Remember pool, spa, and fountain owners are liable for the practices of their contractors. Ensure your contractor follows the minimum standards and BMPs.

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**\*\* Material Safety Data Sheet (MSDS):** A document that contains information on the potential health effects of exposure to chemicals, or other potentially dangerous substances, and on safe working procedures when handling chemical products.

District inspectors may collect a sample of pool, spa, and fountain water to confirm compliance with the District's Local Discharge Limits.

For more information, call the **Environmental Compliance section at (925) 229-7288** or fill out a **Special Discharge Permit Application for pool, spa, and fountain water on our web site ([www.centrialsan.org](http://www.centrialsan.org))**.

### **ABOUT THIS FACT SHEET**

This fact sheet is one of a series created by CCCSD's Environmental Compliance Section to help you understand why and how to prevent water pollution. The contents are informational and summary in nature and do not constitute legal advice. For more information, call CCCSD's Environmental Compliance Section at

**(925) 229-7288**, or visit us at **[www.centrialsan.org](http://www.centrialsan.org)**

For information on how to prevent storm drain pollution, please visit the following web sites:

Contra Costa Clean Water Program: **[www.ccleanwater.org](http://www.ccleanwater.org)**  
Bay Area Stormwater Management Agencies: **[www.basmaa.org](http://www.basmaa.org)**

For information on Environmental Health requirements, call the Contra Costa County Environmental Health Department at **(925) 692-2500**.

Other regulatory agencies you may wish to contact include:  
Contra Costa County Fire Protection District, San Ramon Valley Fire Protection District

# Attachments City of Clayton for Section C-15

# Memo

**To:** Trails and Landscape Committee

**From:** Maintenance Supervisors

**Date:** June 8, 2015

**Re:** City's Water Rationing Plan

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This is where the City stands at the beginning of May 2015 on the State of California's mandatory water rationing. This report was presented by the City Manager to the City Council at their May 19, 2015 meeting.

In general the City must reduce its irrigation water to watering no more than 2 x week. Although a majority of the District and city landscape is drought tolerant, has some areas with more current water efficient irrigation technology, the landscaping is not drought proof. Two times a week watering on the plants and trees may stress the plants – if (when) the later summer/fall hits with hot day temps and warm evening temps, it is likely there will be additional stress and plant die back or some plant demise.

The State of California recently established 9 tiers of water usage within the state for each water supplier and its consumption rates; Tier 9 is the highest water consumer. The Contra Costa Water District fell into Tier 7, which mandates an increase in consumer reduction of water usage: Residential/Commercial water usage will go to 28%; **Irrigation-only Meters to 45%**; and Industrial to 5%. **This revision means the City's parks and landscape irrigation meters must now reduce water usage by 45%.** To further incentivize water use reductions **CCWD is imposing a temporary increase in its treated water quantity charge by \$0.50 per unit (a unit equals 748 gallons); this equates to a 14% rate increase.** Residential usage below 200 gallons per day is considered to already be a conserver and will be exempt from the price adjustment. CCWD indicates the temporary rate increase will be eliminated when the Governor lifts the Executive Order mandating statewide water conservation.

## General Policy

The City must cut back 40% from the City's actual 2013 water usage for outdoor water irrigation and 25% in the City's facility usage. These cuts will be greater than the cuts in 2009 because it is based on water usage in 2013 and not total landscape area using historical ET (EvapoTranspiration) rates, which was the method used in the 2009 drought. Staff is forecasting less water being allocated this year than in the 2009 drought and is planning accordingly. The City will not receive actual allocations from Contra Costa Water District (CCDW) until after June 4th when it expects to mail the allocation amounts out to all Contra Costa Water District (CCWD) customers. As in the past drought all of the City's landscape water meters are pooled together so City Staff may allocate its water where it is most needed within the landscaping.

In areas watered using Contra Costa Water District (CCWD) potable water, the outdoor irrigation schedule cannot be more than two days a week. Since lawns are the largest user of water and two days a week will likely not be sufficient to keep them green during the summer months, the following lawns will not be irrigated:

### A. All lawns in the Landscape District except the:

- Clayton Fountain (due to recent landscape renovation, this area has a high efficiency irrigation system meeting the state's Water Conversation Ordinance) The City will water it just two days a week as mandated; if the irrigation system cannot keep the lawn area semi green with just the two day watering schedule, City Staff will reevaluate and determine if the system should be shut down during the summer months.
- The lawns in the Downtown area at the Oak Street exit/ramp to Main Street, the tear drop (roses and boxwood island) on Main Street, and the area surrounding the Holiday Tree. These areas receive water from an existing City groundwater well (see below for irrigation usage serviced by groundwater wells).

The following lawns at these City park will not be watered (irrigated by CCWD potable water):

- North Valley Park
- Stranahan Park

The Clayton Community Park will be irrigated for the allowed two days per week to try to keep the field's semi green for playing. At this time the irrigation runs Monday night and Thursday night with the irrigation water meters shut down in between to prevent loss of water from mainline breaks.



The parks in Westwood, The Grove, and Lydia Lane use groundwater well water. (see below for irrigation usage at well sites)

#### B. Lawns at City Buildings

The City Hall courtyard will initially be watered two days per week in attempt to keep area semi green. City Staff will reevaluate and determine if this system should be shut down during the summer months.

The Community Library grounds are irrigated using groundwater well water (see below for irrigation usage at well sites).

#### C. WATERING WITH CONTRA COSTA WATER DISTRICT (CCWD) POTABLE WATER

All landscaping supplied with water from the Contra Costa Water District (CCWD) must be watered under State Water Board and Executive Order regulations that have been announced, which include the following: only two days per week , no watering between 9am and 5pm, no run off, and repair breaks as soon as possible. Staff priority (as in previous years of drought conditions) has been to keep as many of the City's trees, then shrubs, and last the groundcover alive with the newest landscaping renovations getting top priority.

The following is being done to monitor/save water and meet the City's allocated water supply: Read water meters every two weeks; shut off water meters that will not be used this year; shut off exterior public drinking fountains to deter misuse and potential water theft; and lock all quick couplers to prevent water theft and misuse.

At this time City Staff has turned off outdoor drinking fountains in the City parks (except at the Dog Park). Staff will monitor water usage at the Dog Park and if it becomes excessive we will determine if water should be shut off. As of now, all water features (i.e., Clayton Fountain, City Hall courtyard fountain, and the new Splash Pad at The Grove Park) have been shut off for public perception or in the case of the Splash Pad it is non-recirculated potable water.

Public restrooms remain open at City facilities for public health reasons except the exterior City Hall courtyard restrooms. A posted sign redirects the public to use the restrooms at the Clayton Community Library.

#### D. WATERING WITH CITY GROUNDWATER WELL WATER

The City owns and operates several groundwater wells. At this time, groundwater wells supplying non-potable water (i.e. not for human use or consumption) are not subject to the State's mandatory water restrictions and regulations. City wells exist at the following locations:

### 1. Westwood Park and Lydia Lane Park

By separate agreement, the well water from these wells is used by the Oakhurst Country Club to irrigate its private golf course; well water is also used to irrigate Westwood Park. The wells are monitored monthly by separate contract (paid by Oakhurst); should the groundwater levels of these wells dip below a pre-determined depth, the wells are shut down and each user (Oakhurst; City; Westwood HOA) must convert to pre-connected potable water supplied by CCWD and then subject to the State's outdoor irrigation restriction of no more than 2 days per week.

### 2. Clayton Community Library

This groundwater well, in addition to irrigating the Library grounds, supplies the water to irrigate the Clayton Road landscape from the Oakhurst Drive intersection to the Mitchell Canyon Road intersection, along old Marsh Creek Road from Clayton Road to Main Street, at the Town Center Sign grounds, and at the Main Street tear drop island.

### 3. The Grove Park

This groundwater well in the vicinity of the U.S. Post Office, is used to irrigate The Grove Park landscape and lawn, waters the Endeavor Hall landscaping, the landscape around the Endeavor Hall public parking lot, and the Center Street raised planter boxes.

Although not subject to the State's water restrictions, these City groundwater wells have been voluntarily limited to irrigate/water no more than three days in a one week period to help conserve these water supplies and to lead by example in reducing water usage.

\* \* \* \* \*



# 2015 Drought Program

- CCWD Proposal to obtain 28% reduction
  - Residential / Commercial (25%)
  - Irrigation Meters (from 40% to 45%)!
  - Industrial (5%)
- Temporary increase treated water quantity charge by \$0.50 per unit (748 gallons). 14% rate increase.
- Residential use below 200 gallons per day; considered conservator and exempt from pricing adjustment.
- Rate eliminated when Governor lifts Executive Order.

Agenda Date: 6/8/15

Agenda Item: 4d

**City of Clayton**

# Memo

**To:** Trails and Landscape Committee  
**From:** Assistant to the City Manager, Laura Hoffmeister  
**Date:** June 8, 2015  
**Re:** Future Clayton Pioneer Articles

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Committee member Chippero will not be in attendance due to schedule conflict. Staff has prepared a list of a few ideas the Committee might consider for future articles. Committee member Chippero and Committee member Steiner volunteered to draft some articles, any Committee member can provide topic ideas, draft or assist in drafting or reviewing is welcome to do so.

- Adopt a Trail
- Highlights of the projects completed in the District – How the tax funds collected to date have been used to maintain and improve the District
- Highlights of what water conservation measures the District is taking to meet drought requirements, what results this might have on the District landscaping visual appearance
- What actions the District has previously taken for irrigation efficiency and plantings
- What actions the District is planning to undertake in the future



# 10 easy ways to save water in your home

It's time to renew your conservation efforts and ensure you are using water efficiently. Saving water has never been so easy.



## 1. Insulate pipes

Insulate hot water pipes so less water needs to be run for hot water to reach the faucet. This also helps save energy.

## 2. Replace old toilets

You can save 60 percent by replacing your older (pre-1992) toilet with a new High-Efficiency Toilet (HET).

## 3. Replace old washer

By replacing your older top-loading washer with a new high-efficiency model, you use 50 percent less water and energy. They are also kinder to your clothes.



## 4. Check for leaks

Test your toilets for leaks. Place food coloring in the tank. If the color appears in the bowl, you have a leak. Either your water level is too high, or your flapper needs to be replaced.

## 5. Run full loads

Run your clothes washer & dishwasher with full loads to maximize water & energy efficiency.



## 6. Keep water cool

Keep a container of water in the fridge so you don't need to run water down the drain until it's cool enough to drink.



## 7. Plug it up

Put a plug in the bathroom sink when shaving rather than rinsing your razor under running water.

## 8. Save while showering

If your showerhead can fill a one-gallon bucket in less than 20 seconds, replace it with a high-efficiency showerhead. Drop by CCWD and pick up a free high-quality, high-efficiency showerhead.

## 9. Brush & conserve

When brushing your teeth, remember to keep the water off until you are ready to rinse your brush. Every drop counts.

## 10. Always aerate

Make sure there are aerators on all of the faucets in your home. Faucets without aerators can use more than three times the water.



# 10 easy ways to save water in your garden



## 1. Cycle & soak

Use the cycle and soak method for watering your lawn and landscape. For fixed and pop-up spray sprinklers, water three cycles per day, four to six minutes each cycle. Schedule start times one hour apart. If you have rotating sprinklers, water three cycles per day, 10 to 12 minutes each cycle.

## 2. Adjust watering

Shrubs, or lawn in shade (north/east side of your house), will generally require up to 50 percent less water than the same plants in full sun (south/west side). Adjust your watering to account for different microclimates in your garden.

## 3. Water early

Don't water during the middle of the day. This can scorch the leaves. It's best to water in the early morning as the sun is rising and temperatures are cool.

## 4. Check your sprinklers

Check your irrigation system every couple of weeks for broken or misaligned sprinkler heads. This can save a significant amount of water and keep your landscape looking great!

## 5. Manage your timer

Every two to four weeks, adjust the watering schedule to reflect changes in the weather. Reducing the watering schedule by one-minute on each sprinkler station can save more than 50 gallons per day!



## 6. Reduce your lawn

Reduce the size of your water-thirsty lawn and replace it with water-efficient low-maintenance plants.

## 7. Mow

Mow lawns to 2 1/2 to 3-inches during the summer. This will improve the quality of the lawn and reduce water demand.

## 8. Mulch

Mulch is the little-noticed workhorse of many smart gardeners' landscapes. Maintain a 2- to 3-inch layer of organic mulch in all planting areas.

## 9. Use a broom

Use a broom instead of a hose to clean your driveway and save up to 80 gallons of water every time.

## 10. Aerate

Aerate your lawn. This allows water and oxygen to get to the roots. You can either leave the soil plugs on the lawn or remove them to another part of the garden.







## LOSE A LAWN • GET A GARDEN

**\$1,000 REBATES** (up to)

- Replace Lawn with Water-Wise Landscaping
- Rebate is \$1.00 per sq. ft. replaced
- Pre-Approval is required
- Non-residential sites call for details



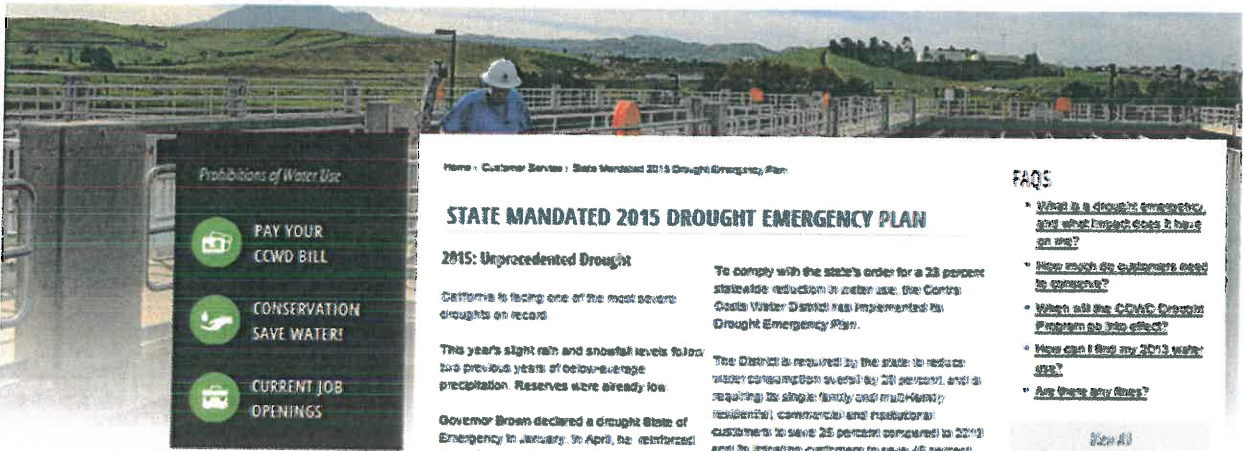
For Program Eligibility and Information

Call: **(925) 688-8320** or

Visit: **[www.ccwater.com/conserv](http://www.ccwater.com/conserv)**







Home - Customer Service - State Mandated 2015 Drought Emergency Plan

## STATE MANDATED 2015 DROUGHT EMERGENCY PLAN

### 2015: Unprecedented Drought

California is facing one of the most severe droughts on record.

This year's slight rain and snowfall levels fall far below previous years of below-average precipitation. Reserves were already low.

Governor Brown declared a drought State of Emergency in January. In April, he reauthorized that order and asked for 25 percent savings across the state.

Individual water agencies were ordered to reduce water consumption at different levels. CCWD was ordered to reduce by 25 percent.

### RESOURCES FOR SAVING WATER

#### Drought Survival 101 Indoor & Outdoor

[Version 8/2014](#)

#### Water Waste Prohibitions Fact Sheet

[Version 8/2014](#)

[CCWD Conservation](#)



[Here is a Guide When You Restore Your Front Lawn With A Restricted Residential Garden](#)

[Here is our Water Conservation Newsletter](#)

[California's New Car Water Wasteful? Ask Lots of Good Questions as Yours Is New Water](#)

[Report Water Waste Do Not Use Water Wastely? From Outaway senders to smelters from the University of CA and our team and we'll control them...](#)

To comply with the state's order for a 25 percent statewide reduction in water use, the Contra Costa Water District has implemented its Drought Emergency Plan.

The District is required by the state to reduce water consumption overall by 25 percent, and is requiring its single-family and multi-family residential, commercial and industrial customers to save 25 percent compared to 2010 and its irrigation customers to save 45 percent.

### Start Saving Water Now

To encourage all residential customers to meet the 25 percent reduction requirement, the District Board of Directors approved on June 3 temporary pricing adjustments as called for in the Governor's Executive Order.

This includes a temporary pricing adjustment for households that use more than an average of 200 gallons per day. This would temporarily increase the unit cost of treated water by 60 cents a unit to 746 gallons of water. The temporary pricing adjustment needs and ends with the emergency order in effect.

The Board has also implemented fines of up to \$500 for violations of prohibitions. Prohibited acts include watering your lawn more than twice a week, or washing a car without a shut-off nozzle on the hose. Please see complete list. The possibility of fines only apply to the prohibited acts, not to your water bill or meeting your irrigation requirement.

CCWD customers have been doing a good job at conserving and need to keep those efforts up this summer. Consistent with the state mandates and as temporary measure, CCWD is looking for customers to focus on reducing their outdoor water use this summer to achieve these mandates.

If you use less than an average of 200 gallons per day, you will not be subjected to the temporary pricing adjustment. Households that reduce water use by 25 percent will be able to lower their bills. Please try to continue to save.

### FAQS

- [What is a drought emergency, and what impact does it have on me?](#)
- [How much do customers need to conserve?](#)
- [When will the CCWD Conservation Program go into effect?](#)
- [How can I find my 2010 water use?](#)
- [Are there any fines?](#)

[View All](#)

### Drought FAQs on a PDF

#### QUICK LINKS

- [Residence Request Form](#)
- [Which Coupons Will Help You Save Water?](#)
- [Car Wash Coupons](#)
- [Report Water Waste or Water Theft](#)
- [Save Our Water](#)

[View All](#)



# 2015 WATER WASTE PROHIBITIONS FACT SHEET

**California is experiencing an extremely severe drought. Contra Costa Water District (CCWD) is asking its customers to do their part to conserve water.**

- Residential and commercial customers are required to reduce water use by 25% compared to 2013
- Irrigation customers are required to reduce water use by 45% compared to 2013

**The following uses of water supplied by CCWD have been determined to be wasteful and are prohibited.**

- Watering outdoor landscapes more than two days per week
- Watering outdoor landscapes during the daylight hours of 9 a.m. and 5 p.m.
- Watering outdoor landscapes in a manner that causes excessive runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures
- Watering outdoor landscapes during and up to 48 hours after measurable rainfall
- Washing a vehicle, trailer or boat using a hose without a shut off nozzle
- Washing paved or other hard-surfaced areas, including sidewalks, walkways, driveways, patios, and parking areas
- Use of water for non-recirculating decorative fountains or filling decorative lakes or ponds. The District strongly suggests all fountains be turned off
- Watering turfgrass on public street medians
- Serving drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served or purchased
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. A notice shall be prominently displayed in each bathroom
- Watering landscapes of newly constructed homes and buildings not in accordance with emergency regulations or other requirements established by the Building Standards Commission and the Department of Housing and Community Development
- Recycled water must be used for construction and dust control where available

## **Violations of the Prohibited Uses**

If a customer violates a prohibited water use, CCWD will first issue a warning and work with the customer to educate them about the prohibition and the violation. If the violation occurs a second time, the District will issue a \$250 fine. If the violation occurs a third time, the District will issue a \$500 fine. If the violation continues, the District may suspend water service. In addition to the fines, a penalty may be charged of \$10 per 748 gallons used in violation of the prohibition.





# DROUGHT SURVIVAL 101

## SAVING WATER IN THE LANDSCAPE

### Watering Trees and Shrubs

Mature trees and shrubs are often the most valuable landscape plants, and they are often quite drought tolerant. Water mature trees and shrubs one-day per week and maintain a 2" to 3" layer of mulch in all landscape areas.

### Watering Lawns

During the Drought, consider letting ornamental lawns go without water. Because lawn is the largest water using plant in most landscapes, this can save a considerable amount of water. If you do want to maintain a lawn through the drought, you are prohibited from watering more than two days per week, which is sufficient for lawns to survive.

### Annual flowers

This is a good year to eliminate the use of annual flowers. Annuals, like lawns, use a lot of water.

### Mulch Mulch Mulch

The single most important thing you can do for your trees and shrubs is to maintain a 2" to 3" layer of mulch in all planting areas. This will maintain soil moisture and reduce plant stress during the hot summer. Don't use a blower in shrub beds as it removes mulch.

### Have a Leak?

The best way to check for a leak is to first make sure all water is turned off and then read your water meter. The meter will have an odometer like a car and a dial. Write down (or take a photo) the numbers and the location of the dial. Then wait one hour and do it again. If the meter has not changed, you don't have a leak. If it does change, you can then determine how big a leak you have.

### Read your meter

Read your water meter on a weekly basis and keep a log of the usage. You can then compare your water use (average gallons per day) to your target, and adjust your watering schedule as needed.

### Water early or late

Outdoor watering between 9 a.m. and 5 p.m. is prohibited. You can save water by irrigating in the early morning or in the evening, when temperatures are cooler.

### Sweep, don't spray

Hosing down a driveway or patio is prohibited and you could save up to 10 gallons per minute by using a broom.

### Inspect Sprinklers and Drip

Check your irrigation system for broken or misaligned sprinkler heads. Also check drip systems for missing or broken emitters. Maintaining the system in good working order will save water and keeps the landscape looking good.

### Irrigation Timer

Irrigation timers can waste a considerable amount of water if not managed properly. Check the schedule regularly to ensure you are only watering when you want to. Alternatively, turn the timer to the off position and just turn it on when you want to water.



CONTRA COSTA  
WATER DISTRICT  
ccwater.com/conserv



# DROUGHT SURVIVAL 101

## SAVING WATER INDOORS

### Replace old toilets

If your toilets were installed prior to 1994, consider replacing them. Toilets made prior to 1994 use 3.5 to 5.0 gallons per flush. New toilets now only use 1.28 gallons per flush and perform better than ever.

### Full Loads

Run washing machines and dishwashers with full loads only.

### Hand Washing Dishes

It is generally better to use a dishwasher. But, when washing dishes by hand, don't let the water run. Instead fill one basin with wash water and the other with rinse water.

### Showerhead

Install a new low-flow showerhead. Look for one that has a flow rate of 2.0 gallons per minute or less.

### Shaving

Turn off the faucet when shaving or brushing your teeth.

### Garbage Disposal

Use the garbage disposal sparingly. Instead you can compost vegetable food waste and save gallons every time.

### Replace old Clothes Washers

If your clothes washer is an older top-loading model consider replacing it with a new high efficiency model. New clothes washers use half the water and energy and are also kinder to your clothes.

### Bucket in the Shower

Many homeowners use a bucket in the shower to catch water. This can be used to water plants or flush the toilet.

### Avoid Rinsing Dishes

Instead of rinsing dishes before putting them in the dishwasher, scrape food scraps into a compost bin. Modern dishwashers are pretty good at cleaning stuck on food.

### Toilet Flushing

Consider whether or not to flush the toilet after every use.

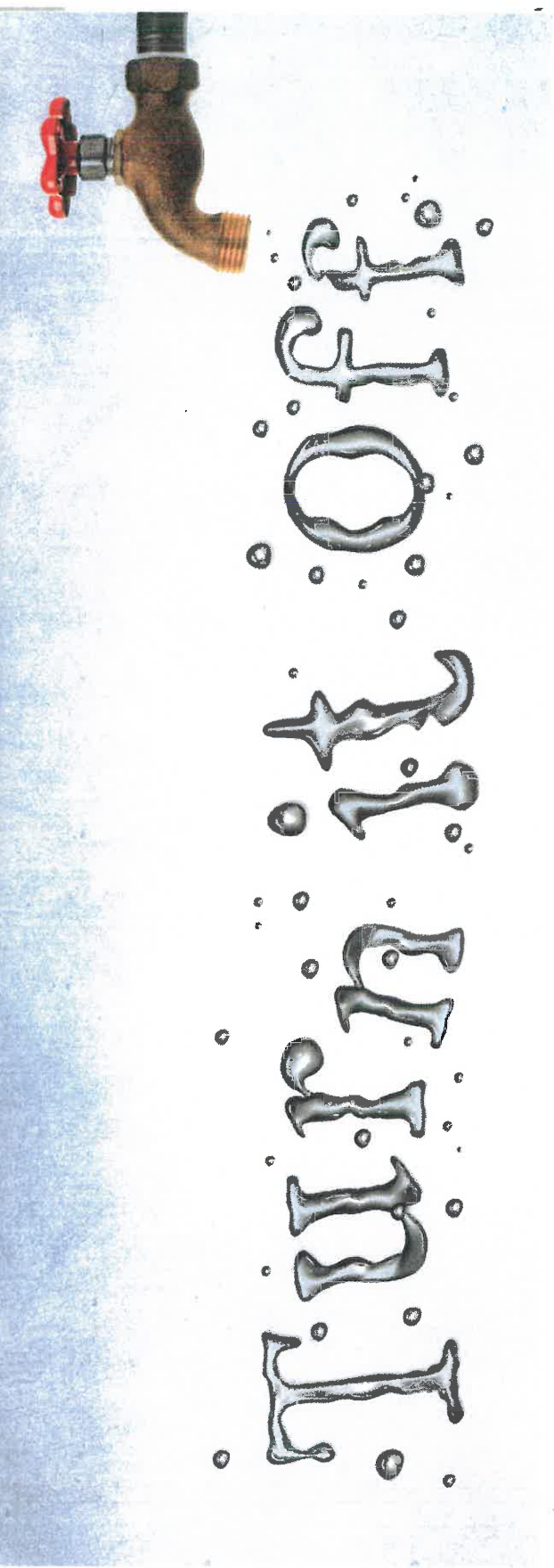




Save Our Water The Campaign To Save Water

What's New  
What You Can Do  
What You Should Know

WITH A SLIPPER





## Drought facts

• On January 3, the state conducted its first snow survey of the wet season and found more bare ground than snow. Statewide, the snowpack water content is just 20 percent of average for this time of year.



• The Sierra Nevada snowpack melts in the spring and summer. It collects in reservoirs to provide about one-third of the water Californians use each year.

• Many parts of California — including Sacramento and Los Angeles — marked calendar year 2013 as the driest on record.

• River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

• These extremely dry conditions follow two previous dry years statewide.

• Storage in the big reservoirs that typically help California cope with dry weather is well below average for this time of year.

• The state's two biggest reservoirs, Shasta and Oroville, are both at 57 percent of historical levels for the date.

• The Department of Water Resource's late November experimental seasonal forecast for the water year sees mostly dry conditions for the state.

• On average, about half of California's statewide precipitation occurs in December, January and February. Only a handful of large winter storms account for the difference between a wet year and a dry one in California.

• Other years have started dry and ended with normal or above-normal precipitation. Each dry day that passes makes it less likely that will happen.

### Conservation why and how

[Drought history](#)

[Drought facts](#)

[Water sources](#)

[Climate change](#)

[Environmental problems](#)

Chapter 17.80

LANDSCAPE WATER CONSERVATION STANDARDS

Sections:

- 17.80.010 Title and Purpose
- 17.80.020 Definitions
- 17.80.030 Applicability
- 17.80.040 Landscape Project Application (LPA) Requirements
- 17.80.050 Water Efficient Landscape Standards
- 17.80.060 Landscape Plan Requirements
- 17.80.070 Landscape Water Audit Requirements
- 17.80.080 Certifications
- 17.80.090 Landscape and Irrigation Maintenance Schedule
- 17.80.100 Stormwater Management
- 17.80.110 Provisions for Existing Landscapes
- 17.80.120 Public Education

17.80.010 Title and Purpose. This Chapter shall be known and may be cited as the Landscape Water Conservation Standards Ordinance of the City of Clayton for the purpose of implementing within Clayton the Water Conservation in Landscaping Act of 2006.

17.80.020 Definitions. Certain words and phrases are defined within this Chapter and the definitions herein apply to this Chapter only. Where it appears from the context of such words, phrases, or provisions that a different meaning is intended, the definition shall be determined by the Community Development Director.

- A. "Applicant" means the individual or entity submitting a Landscape Project Application (LPA) required under Section 17.80.040 of this Chapter to request a permit, plan check, or design review from the City of Clayton, or requesting new or expanded water service from the local water district. A project applicant may be the property owner or his or her designee.

- B. “Applied water” means the portion of water supplied by the irrigation system to the landscape.
- C. “Backflow prevention device” means a safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from the irrigation system.
- D. “Certified irrigation system auditor” means a person certified by the U.S. Environmental Protection Agency’s WaterSense Irrigation Partners Program.
- E. “Conversion factor (0.62)” means the number that converts acre-inches per acre per year to gallons per square foot per year.
- F. “Emission Device” means any device that is contained within an irrigation system that is used to apply water. Common emission devices in an irrigation system include, but are not limited to, spray and rotary sprinkler heads, bubblers, and drip irrigation emitters.
- G. “Estimated Total Water Use (ETWU)” means the estimated total water used for the landscape, as described in the City of Clayton Water Allowance Work Sheet.
- H. “ET adjustment factor (ETAF)” means a factor of 0.7, that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency, two major influences upon the amount of water that needs to be applied to the landscape. ETAF for a Special Landscape Area shall be 1.0.
- I. “ETo” stands for Reference Evapotranspiration, and means the water loss from a large field of 4-7 inch-tall, cool-season grass that is not water stressed. Local ETo numbers can be found through the California Irrigation Management Information System (CIMIS).
- J. “Evapotranspiration” means the combination of water transpired from plants and evaporated from the soil and plant surfaces.
- K. “Flow rate” means the rate at which water flows through pipes, valves, and emission devices, measured in gallons per minute, gallons per hour, or cubic feet per second.
- L. “Geometry” means the size, shape, and angles of an area.
- M. “Hardscape” means any durable material (pervious and non-pervious).
- N. “Hydrozone” means a portion of the landscaped area having plants with similar water needs. This ordinance uses the publication *Water Use Classification of Landscape Species* (WUCOLS) to determine a plant’s water needs. A hydrozone may be irrigated or non-irrigated.

- O. "Landscape water audit" means an in-depth evaluation of the installed landscape to verify the landscape complies with the Water-Efficient Landscape Standards of the City of Clayton Landscape Water Conservation Standards Ordinance, and completes the Certificate of Compliance for a Landscape Water Audit.
- P. "Irrigation efficiency (IE)" means the measurement of the amount of water beneficially used divided by the amount of water applied. Irrigation efficiency is derived from measurements and estimates of irrigation system characteristics and management practices. The irrigation efficiency for purposes of this Chapter is 71%. Greater irrigation efficiency can be expected from well-designed and well-maintained systems.
- Q. "Irrigation survey" means an evaluation of an irrigation system that is less detailed than an irrigation audit. An irrigation survey includes, but is not limited to, inspection, system test, and recommendations to improve performance of the irrigation system.
- R. "Irrigation water use analysis" means an analysis of water use data based on meter readings and billing data.
- S. "Landscape area" means all the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance calculation. The landscape area does not include footprints of buildings or structures, sidewalks, driveways, parking lots, decks, patios, gravel, or stone walks, or other pervious or non-pervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open spaces and existing native vegetation).
- T. "Landscape contractor" means a person licensed by the State of California to construct, maintain, repair, install, or subcontract the development of landscape systems.
- U. "Lateral line" means the water delivery pipeline that supplies water to the emitters or sprinklers from the valve.
- V. "Maximum Applied Water Allowance (MAWA)" means the upper limit of annual applied water for the established landscaped area, as specified in the City of Clayton "Water Allowance Work Sheets".
- W. "Medians" mean any planting area that separates traffic lanes on streets and parking areas in parking lots.
- X. "Mulch" means any organic material, such as leaves, bark, straw, or compost; or inorganic mineral materials, such as rocks, gravel, and decomposed granite left loose and applied to the soil surface for the beneficial purposes of reducing evaporation, suppressing weeds, moderating soil temperature, and preventing soil erosion.



- Y. “Non-Permeable” means any surface or material that will not allow the passage of water through that surface or material into the underlying soil at a rate that ensures run-off will not occur.
- Z. “Operating pressure” means the pressure at which the parts of an irrigation system are designed by the manufacturer to operate.
- AA. “Overhead irrigation” means systems that deliver water through the air (e.g., sprayheads and rotors).
- BB. “Overspray” means the irrigation water that is delivered beyond the target area.
- CC. “Permit” means an authorizing document issued by local agencies for new construction or rehabilitated landscapes.
- DD. “Plant factor” or “plant water use factor” is a factor that, when multiplied by ETo, estimates the amount of water needed by plants. The plant factors for this Chapter are from the WUCOLS publication.
- EE. “Precipitation rate” for this Chapter means the rate of application of water measured in inches per hour.
- FF. “Project” means the total area comprising the landscape area, as defined in this Chapter.
- GG. “Rain switch” or “rain sensing shutoff device” means a component that automatically suspends an irrigation event when it rains.
- HH. “Reference evapotranspiration” or “ETo” means a standard measurement of environmental parameters that affect the water use of plants.
- II. “Rehabilitated landscape” means any re-landscaping project that requires a permit, plan check, or design review, or requires a new or expanded water service application.
- JJ. “Retail water supplier” means any entity, including a public agency, city, county, district or private water company that provides retail water service.
- KK. “Runoff” means water that is not absorbed by the soil or landscape to which it is applied and that flows from the landscape area.
- LL. “Smart irrigation controllers” means controllers using weather information or soil moisture readings along with site information to automatically adjust the irrigation schedule on a daily basis.
- MM. “Soil moisture sensor” or “soil moisture sensing device” means a device that measures the amount of water in the soil. The device may also suspend or initiate an irrigation event.

- NN. "Special Landscape Area (SLA)" means an area of the landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.
- OO. "Sprinkler head" means a device that delivers water through a nozzle.
- PP. "Station" means an area served by one valve or by a set of valves that operate simultaneously.
- QQ. "Turf" means a ground cover surface of mowed grass. Kentucky bluegrass, Perennial ryegrass, Red fescue, and Tall fescue are examples of cool-season grasses. Bermuda grass, Kikuyu grass, Seashore Paspalum, St. Augustine grass, Zoysia grass, and Buffalo grass are examples of warm-season grasses.
- RR. "Valve" means a device used to control the flow of water in the irrigation system.
- SS. "Water feature" means a design element where open water performs an aesthetic or recreational function. Water features include ponds, lakes, waterfalls, fountains, artificial streams, spas, and swimming pools (where water is artificially supplied).
- TT. "WUCOLS" means the Water Use Classification of Landscape Species, published by the University of California Cooperative Extension, the Department of Water Resources, and the Bureau of Reclamation, 2000. (WUCOLS) report is available at <http://www.water.ca.gov/wateruseefficiency/publications/>. Search for WUCOLS, and then go to Part 2 WUCOLS III\* 1999 Edition.

17.80.030 Applicability. After October 21, 2010 the indicated provisions of this Chapter shall apply to landscape projects as follows:

- A. Developer Projects: New and rehabilitated landscape development for commercial, multi-family, and single family projects with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections of this Chapter.
- B. Municipality and Public Agency Projects: New and rehabilitated projects designed and installed by the City of Clayton with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet shall comply with Sections 17.80.050, 17.80.060, 17.80.070, 17.80.080, 17.80.090, and 17.80.100.

- C. Owner-Directed Single Family Projects: New and rehabilitated owner-directed single family projects with irrigated landscape areas cumulatively equal to or greater than 5,000 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections, except Section 17.80.090, of this Chapter.
- D. Existing Landscapes: Existing landscapes are only subject to the provisions in Section 17.80.110, "Provisions for Existing Landscapes" and Section 17.80.120, "Public Education".
- E. The provisions of this Chapter shall not apply to:
  - 1. Landscapes that are only temporarily irrigated for establishment purposes and landscapes that are not irrigated with a permanent irrigation system.
  - 2. Registered local, state or federal historical sites, or as determined by the City Council;
  - 3. Community gardens, botanical gardens and arboretums open to the public.

17.80.040 Landscape Project Application (LPA) Requirements. Applicant shall choose one of the two options below to comply with this Chapter:

- A. Option A: Proposed landscape project does not include any:
  - 1. Water features with more than 100 square feet of total surface area;" or
  - 2. Turf or other high water use plants, unless they qualify as a "Special Landscape Area. High water use plants are those designated as 'high water use' in the Water Use Classification of Landscape Species (WUCOLS) report<sup>1</sup>.

The applicant shall complete the following:

- 1. Project Application Sheet.
  - 2. Certification Sheets.
  - 3. Landscape Plans (See Section 17.80.060);
  - 4. Maintenance Schedule (See Section 17.80.090).
- B. Option B: Proposed landscape project does include:
    - 1. Water features with more than 100 square feet of total surface area; or

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<sup>1</sup> Water Use Classification of Landscape Species (WUCOLS) report which is available at <http://www.water.ca.gov/wateruseefficiency/publications/> A Guide to Estimating, Part 2.

2. Turf or other high water use plants not qualifying as a "Special Landscape Area." The Estimated Total Water Use (ETWU) for the proposed landscape shall not exceed the Maximum Applied Water Allowance (MAWA) for the site. The MAWA formula will use an ET Adjustment Factor of 0.7.

The applicant shall complete the following:

1. Project Application Sheet.
2. Certification Sheets.
3. Water Allowance Work Sheets.
4. Landscape Plans (See Section 17.80.060).
5. Maintenance Schedule (See Section 17.80.090).

An applicant requesting design review approval shall submit, at a minimum, a preliminary landscaping plan with the design review application; however, the applicant must submit all components of the Landscape Project Application (LPA) concurrently with the application for building permit or grading permit for the project.

The Community Development Director or his/her designee shall review each LPA for compliance with the provisions of this Chapter and may withhold issuance of zoning approval for a building permit or grading permit for which its corresponding LPA does not comply with this Chapter.

17.80.050 Water Efficient Landscape Standards. The proposed landscape design shall incorporate the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design and shall comply with the following standards:

A. Plant Design:

1. Plants selected shall be well suited to the area's climate and the site's soil conditions.
2. The proposed landscape shall be designed so that distinct hydrozones are irrigated separately by one or more irrigation valves. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
3. Plants shall be spaced appropriately based on their expected mature spread.
4. If the geometry of the planting area does not conform to the spray pattern of the sprinkler, resulting in overspray onto the adjacent pavement, then overhead irrigation shall not be used.



5. Plants shall be spaced so that at mature size they do not block sprinklers.
6. Turf shall not be planted on slopes steeper than 15%.
7. Turf shall not be planted in any medians or in areas narrower than 8'0".

B. Irrigation System:

The irrigation system design shall comply with the following requirements:

1. Smart irrigation controller(s) using one of the below methods shall be required on all irrigation systems:
  - a. Daily evapotranspiration data; and
  - b. Daily soil moisture sensor data.
2. Specify a dedicated landscape water meter for landscapes with an irrigated area greater than 5,000 square feet, or per retail water supplier regulations.
3. Recycled water shall be used for landscape irrigation if it is available at the project site.
4. Specify technology and practices to prevent runoff, low head drainage, overspray, or other water waste.
5. Overhead irrigation shall not be permitted within 12" of any non-permeable surface.
6. Specify sprinkler heads and other emission devices that have matched precipitation rates within each irrigation zone. No irrigation zone shall specify a precipitation rate greater than 1.2 inches per hour. On slopes steeper than 25%, the specified precipitation rate shall not exceed 0.75 inches per hour.
7. Specify irrigation controls so the dynamic water pressure at sprinkler head or other emission device is within manufacturer's recommended optimal operating range.
8. No overhead irrigation shall be specified in planting areas less than 8'0" wide in any dimension, unless demonstrated that water waste will not occur.
9. Specify a manual shut-off valve for each point of connection and specify that each shut-off valve be identified on the controller map.
10. Prepare a controller map and programming table and specify that this be stored in the controller cabinet. The controller map shall visually differentiate each controller zone. For each irrigation valve, the controller programming table shall list the plant water requirement (high, medium,

low, or very low), the sun exposure, irrigation emission device type, precipitation rate, station flow rate, optimal pressure, soil type, infiltration rate, square foot area, and degree of slope.

11. Each irrigation valve shall control irrigation to only one distinct hydrozone. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
12. Specify a separate irrigation valve and hydrozone for the top of a slope and the bottom of a slope.

C. Water Features:

1. All water features shall have re-circulating water systems.
2. Fountain(s) shall be designed so that no wind drift or overspray occurs.

D. Grading and Soil Preparation:

The landscape design shall:

1. Comply with Storm Water Control Plan requirements (C.3), if applicable.
2. Be designed to improve or maintain the infiltration rate of landscape soils typical of their soil texture and minimize soil erosion.
3. Be designed to avoid drainage onto non-permeable hardscapes within the property lines and prevent runoff of all irrigation and natural rainfall outside property lines.
4. Only specify soil amendments if appropriate for the selected plants.
5. Specify a minimum two-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas unless there is a horticultural reason not to use mulch in a portion of the planting area. Mulch, such as shredded bark, shall be specified in bioretention areas so that they will stay in place during rain events.

17.80.060 Landscape Plan Requirements. The Landscape plans shall demonstrate that all the water-efficient landscape standards have been met:

A. The planting plan shall:

1. Identify Special Landscape Areas. Special Landscape Areas include: landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.

2. Identify plants by their common and botanical names.
  3. Identify type and surface area of water features.
- B. The irrigation plan shall:
1. Show the location and size of the landscape irrigation water meter.
  2. Show the location, type and size of all components of the irrigation system, including, but not limited to, controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regulators, and backflow prevention devices.
  3. Identify the static water pressure at the point of connection to the public water supply.
  4. Identify the flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station.
- C. Landscape plans shall include details and specifications reflecting the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design.

17.80.070 Landscape Water Audit Requirements. A landscape water audit shall be performed to ensure that the installed landscape meets the requirements of this Chapter.

- A. A landscape water audit shall be conducted within thirty (30) days of the start of the landscape maintenance period or, if no maintenance period, then upon completion of the landscape installation. An EPA WaterSense certified Irrigation System Auditor shall conduct the landscape audit and submit a Certificate of Compliance, Landscape Water Audit sheet.
- B. The Landscape Auditor shall inform the applicant of all non-compliance issues with the Ordinance. This shall include, but not be limited to, all items listed on the Certificate of Compliance, Landscape Water Audit sheet.
- C. All non-compliance issues shall be repaired and the site shall be re-audited for compliance with the criteria of this Chapter prior to final inspection/permit and final sign off.

17.80.080 Certifications. Water Efficiency Landscape Checklist/Certification sheets will be part of the Landscape Project Application (LPA) requirements.

- A. The person(s) creating the landscape design shall complete the Certificate of Compliance, Landscape Design sheet certifying the landscape has been designed to comply with the criteria of this Chapter.

- B. The Landscape Contractor/Installer shall complete the Certificate of Compliance, Landscape Installation sheet certifying the landscape has been installed, as specified in the Landscape Plans, and complies with the criteria of this Chapter.
- C. The Landscape Auditor shall complete the Landscape Certificate of Compliance, Water Audit sheet certifying the landscape and irrigation system have been installed, as specified in the Landscape Plans, and comply with the criteria of this Chapter.
- D. The Maintenance Contractor/Person shall complete the Certificate of Compliance, Landscape Maintenance sheet certifying the landscape maintenance contractor agrees to manage the property using less water than the Maximum Applied Water Allowance.
- E. While standards applications are not required for Municipality and Public Agency Projects involving "City" projects conducted by City staff, certifications (i.e., Design, Installation, Maintenance, and Auditing) are needed and the City's Maintenance Supervisors may sign-off on them.

17.80.090 Landscape and Irrigation Maintenance Schedule. The landscape designer or installer shall develop a landscape maintenance specification and schedule for the landscape project that is consistent with the most recent acceptable best management practices as determined by the City of Clayton for landscape maintenance. Schedules shall be submitted with the Certification of Completion.

- A. An annual landscape maintenance schedule shall include at least the following: routine inspection; adjustment and repair of the irrigation system and its components; aerating turf areas; replenishing mulch; seasonal pruning; weeding in all landscape areas; and removing obstructions to emission devices;
- B. Repair of all irrigation equipment shall be done with the originally installed components or their equivalents;
- C. Project shall be irrigated so that total annual water applied is less than or equal to the Maximum Applied Water Allowance (MAWA) (if applicable).

17.80.100 Stormwater Management. The proposed landscape shall comply with the requirements of the National Pollutant Discharge Elimination System intended to implement storm water best management practices into the planting, irrigation, and grading plans to minimize runoff and to increase on-site retention and infiltration.

17.80.110 Provisions for Existing Landscapes. This section applies to existing landscapes that were installed before [insert effective date of Ordinance].

- A. Irrigation Survey and Irrigation Water Use Analysis

To ensure the efficient use of landscape water, each owner of property in the City of Clayton is encouraged to utilize resources and services, such as



irrigation surveys and landscape water use analyses that are offered by the local retail or wholesale water utility.

B. Water Waste Prevention

Each owner of property in the City of Clayton shall prevent water waste resulting from inefficient landscape irrigation by prohibiting runoff from the target landscape areas due to excessive irrigation or inappropriate run times related to time of day, seasonal and/or variable weather conditions, low head drainage, overspray, or other similar conditions where water flows onto an adjacent property, walks, roadways, parking lots, or structures.

17.80.120 Public Education.

- A. All new model homes that are landscaped shall use signs, brochures and other written information to demonstrate the principles of water-efficient landscapes that are described in this Chapter.
- B. The architectural guidelines of a common interest development, which include homeowner associations, community apartment projects, condominiums, planned developments, and stock cooperatives, shall not prohibit conditions that have the effect of prohibiting the use of low water use plants as a group.
- C. For new homes/commercial developments, applicant/owner is required to provide the irrigation controller map and programming table and annual maintenance schedules to new tenants or owners at transfer of ownership/maintenance responsibility.
- D. The City of Clayton shall provide on its website links to resources that offer information about the principals of designing, installing, and maintaining water-efficient landscapes. An example of a link is to the local water utility, the Contra Costa Water District, and the landscape water conservation information that Agency offers.”



## Water Allowance Work Sheets

Water Allowance Work Sheets are used to calculate water use in the form of Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use (ETWU) for the landscape project.

These sheets are required if the project has turf or other high water use plants not qualified as a 'Special Landscape Area' or has water feature(s) with more than one hundred (100) total square feet of surface area. This is referred to as Option B of the Landscape Project Application Requirements of the Water-Efficient Landscape Ordinance.

Special Landscape Area is defined as an area of the landscape dedicated solely to edible plants, areas irrigated with recycled water, water features using recycled water, and areas dedicated to active play, such as parks, sports fields and golf courses where turf provides a playing surface.

The ETWU for the project can not exceed the MAWA for the project.

Calculate the MAWA for the project using the below formula and Factors:

$$MAWA = (ETo) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

Where:

MAWA	=	Maximum Applied Water Allowance (gallons per year)
ETo	=	Reference Evapotranspiration (inches per year)
0.62	=	Conversion Factor (to gallons)
0.7	=	ET Adjustment Factor (ETAF)
LA	=	Landscape Area including SLA (square feet)
0.3	=	Additional Water Allowance Factor for SLA
SLA	=	Special Landscape Area (square feet)

Step one: Multiple total project landscape area by 0.7, the ET Adjustment Factor

LA	Multiply	0.7	Equals	0.7 x LA
	x		=	

Step two: Multiple total Special Landscape Area by 0.3, the Additional Water Allowance Factor

SLA	Multiply	0.3	Equals	0.3 x SLA
	x		=	

Step 3: Add Adjusted LA and adjusted SLA Water Allowances

0.7 x LA	Plus	0.3 x SLA	Equals	0.7 x LA + 0.3 SLA
	+		=	

Step four: Multiple Reference Evapotranspiration by the conversion factor and Total Adjusted Water Allowance

ET <sub>o</sub>	Multiply	Conversion factor	Multiply	0.7 x LA + 0.3 x SLA	Equals	MAWA
	x	0.62	x		=	

Calculate the ETWU for the project using the below formula and Factors. A Hydrozone Table will need to be completed prior to completing the ETWU calculation, to determine the total area by hydrozone type.

$$ETWU = (ET_o)(0.62) \left( \frac{PF \times HA}{0.71} + SLA \right)$$

Where:

- ETWU = Estimated Total Water Use per year (gallons)
- ET<sub>o</sub> = Reference Evapotranspiration (inches)
- PF = Plant Factor (see Definitions)
- HA = Hydrozone Area [high, medium, low and very low water use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor
- 0.71 = Irrigation Efficiency

Step one: Multiple the Plant Factor by the total area of that plant water need category

Plant Factor	Multiply	Total Hydrozone Area	Equals	PF x HA
High (0.8)	x		=	
Medium (0.5)	x		=	
Low (0.3)	x		=	
Very Low (0.1)	x		=	

Step two: Add up the Total Adjusted Hydrozone Allowances

High PF x HA	Plus	Medium PF x HA	Plus	Low PF x HA	Plus	Very Low PF x HA	Equals	Total PF x HA
	+		+		+		=	

Step three: Divide the Total Adjusted Hydrozone Allowance by 0.71, minimum Irrigation Efficiency

Total PF x HA	Divided by	Irrigation Efficiency	Equals	Total PF x HA / 0.71
	/	0.71	=	

Step four: Add the SLA Area to the total (PF x HA / 0.71)

Total PF x HA / 0.71	Plus	Total Special Landscape Area	Equals	Total PF x HA / 0.71 + SLA
	+		=	

Step five: Multiply the yearly ETo times the Conversion Factor times the total (PF x HA / 0.71 + SLA)

Yearly ETo	Multiple	Conversion Factor	Multiple	PF x HA / 0.71 + SLA	Equals	ETWU (must be equal to or lower than the MAWA)
	x	0.62	x		=	

Record Project's square footage, by station number, on the Hydrozone Table, under the correct category. Use WUCOLS to determine the correct hydrozone category for the plants watered by each irrigation valve. Use the highest water needing plant irrigated by a valve to set that valve's water need category.

Hydrozone Table

Station Number	High Water Needs (sq. Ft.)	Medium Water Needs (Sq. Ft.)	Low Water Needs (Sq. Ft.)	Very Low Water Needs (Sq. Ft.)	Special Landscape Area (Sq. Ft.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					



20					
21					
22					
23					
24					
Totals					



## Certificate of Compliance Landscape Installation

Project name: \_\_\_\_\_

Project Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

- Installed Project Area Measurements match those of the Landscape Design Plans.
- Plant material is the same as that specified in the plans and any substitutes are determined to be equivalent or less in water need, per *Water Use Classification of Landscape Species (WUCOLS)*.
- Installation incorporates most recent acceptable best management practices for water efficient landscape design.
- Any plant substitutes are well suited to the local climate and soil conditions.
- All plants are located per the design plan.
- Irrigation hydrozones are the same as plans and any field-adjusted irrigation zones were installed so that distinct hydrozones are irrigated separately by one or more irrigation valves.
- Changes to irrigation system or plant material shall maintain distinct hydrozones that are irrigated separately by one or more irrigation valves
- No turf is installed in medians, areas narrower than eight feet, or on slopes greater than 15%.
- All irrigation equipment is the same as specified, and any substitutes are equivalent.
- Automatic irrigation controller(s) installed utilize ET or soil moisture sensors.
- Point of connection (POC) is the same as specified in the plans.
- System has been installed and tested to prevent run-off, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rates for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hour or 0.7 inches per hour for all slopes of 25% or greater.
- No overhead irrigation is used in areas less than eight feet wide in any direction.
- Manual shutoff valves are specified at each POC.
- A controller map and programming table were placed in all irrigation controller cabinets.
- Separate irrigation valves were installed and hydrozones created for the top of a slope and bottom of a slope.

- All water systems have functioning re-circulating water systems.
- Fountain(s) and their nozzles are maintained so that no wind drift or overspray will occur.
- Installation complies with Storm Water Control Plan requirements.
- Installation work minimized any soil erosion and maintained or improved the landscape soil's infiltration rate.
- Installation avoids drainage onto non-permeable hardscapes within the project and prevents run-off irrigation and rainfall outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used.
- A minimum of 2 inches of mulch for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape has been installed as specified in the landscape plans for the above-listed project to comply with the Water-Efficient Landscape Standards and Landscape Plan Requirements of the City of Clayton Water Efficient Landscape Ordinance.**

\_\_\_\_\_  
Installer's Name

\_\_\_\_\_  
Company Name

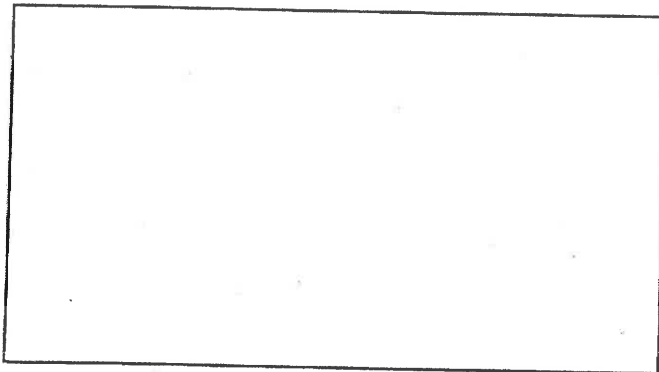
\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
E-Mail

\_\_\_\_\_  
Professional License Number

\_\_\_\_\_  
Date



Professional Stamp



## Certificate of Compliance Landscape Water Audit

Project name: \_\_\_\_\_

Project Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

- Installed Project Areas match those of the Landscape Design Plans.
- Plant material is the same as that specified on the plans, with any plant material substitutes being equivalent or less in water need per *Water Use Classification of Landscape Species (WUCOLS)*.
- Project has incorporated most recent acceptable best management practices for water-efficient landscape design.
- Plants used are well suited to the local climate and soil conditions.
- Plants are spaced appropriately based on their expected mature size.
- Overhead irrigation was not used where it would result in overspray.
- Plants are spaced so at mature size they do not block sprinklers.
- Distinct hydrozones are irrigated separately by one or more irrigation valves.
- No turf is planted in medians, areas narrower than eight feet, or on slopes greater than 15%.
- Smart irrigation controller(s) utilizing ET or soil moisture sensors are installed.
- Point of Connection (POC) is same as specified in plans.
- Recycled water is used, if available.
- Irrigation system has no runoff, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rate for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hours or 0.7 inches per hour for all slopes of 25% or greater.
- Dynamic water pressure at sprinkler heads and other emission devices is within manufacturer's specifications.
- No overhead irrigation is installed in areas less than eight feet wide in any direction.
- Manual shutoff valves are installed at each POC.
- Controller map(s) and programming table(s) are in all irrigation controller cabinets.
- Separate irrigation valves are installed for the top of a slope and bottom of a slope, and designated as separate hydrozones.
- A re-circulation system has been installed for all water features.
- Fountains and their nozzles have no wind drift or overspray.



- Project complies with Storm Water Control Plan requirements.
- Site's landscape soils infiltration rate is the same as or better than native soil of area.
- Project does not drain onto non-permeable hardscapes within the project, and no runoff of irrigation and rainfall can occur outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used on project.
- A minimum of two inches of mulch is installed for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape for the above-listed project complies with the Landscape Water Conservation Standards of the City of Clayton Landscape Water Conservation Ordinance.**

\_\_\_\_\_  
Auditor's Name

\_\_\_\_\_  
Company Name

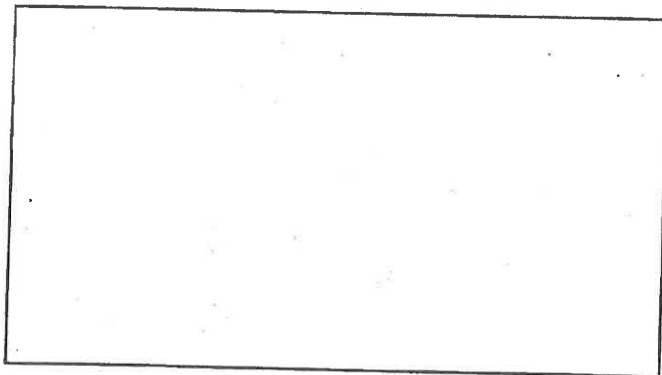
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## **INTRODUCE ORDINANCE AMENDING THE MUNICIPAL CODE TO INCLUDE THE 2013 STATE REGULATORY BUILDING CODES.**

One of the most significant changes in the California Building Code is the reformatting of the accessibility standards for non-residential buildings to correspond to the format used by the Americans with Disabilities Act.

The new format is easier for staff and designers to understand and clarifies areas of regulation that were not well-defined in the previous versions. The regulations now require temporary construction trailers that are used for offices, plan reading, and/or administrative functions to be fully accessible and temporary trailers used solely for construction material storage not to be subject to the accessibility regulations. This is a significant change as most construction sites have trailers for these uses and will be subject to these provisions.

One important change in both the California Building Code and the California Residential Code is that the codes now exempt fences 7 feet or less in height from requiring a building permit to construct, regardless of the material used for the fence. This is a relaxation of the current code requirements, which exempts fences up to 6 feet in height.

The California Green Building Standards Code (CALGreen) has undergone significant change. It now addresses residential buildings four stories or more in height. The new code now includes additions, remodels, and improvements to both residential and non-residential projects as triggers to the green building standards. The current 2010 California Green Building Standards Code only applies to brand new residential buildings three stories or less and to brand new non-residential buildings. Thus, the new standards will have a significant impact on alterations, additions, and tenant improvement projects in the City.

An additional change in the CALGreen regulations is that it will require single-family residential buildings undergoing permitted alterations, additions, or improvements to replace non-compliant plumbing fixtures with water-conserving plumbing fixtures. It will also require multifamily residential real property and commercial real property to replace non-complying plumbing fixtures with low-flow fixtures under any of the following circumstances:

- Building additions that would increase the floor area by more than 10 percent would require the plumbing fixtures throughout the building to be upgraded.
- Alterations or improvements greater than \$150,000 would require existing plumbing fixtures that service the area of alterations or improvements to be upgraded.
- Regardless of the cost of construction of the alteration or improvement, existing plumbing fixtures in the same room undergoing an alteration or improvement would be required to be upgraded. Fixture replacements under these conditions would be required prior to issuance of a certificate of occupancy or final of the permit in all cases. These CALGreen changes essentially implement the requirements of Civil Code Sections 1101.1 through 1101.8.

The Chief Building Official will need to create policies around what permitted work will trigger these provisions. In order to have consistency between jurisdictions, the Chief Building Official will be working with TUCC, the California Building Officials (CALBO) organization, and the development community to help develop consistent interpretations and policies in the region. The lack of specific definitions of terms for alterations or improvements, as they are used in the CALGreen code and Civil Code, generates the need for the Chief Building Official to interpret the definitions and the intent in these cases. As an example, re-roof permits are typically considered repairs and not considered to be alterations or improvements.

CALGreen continues to offer local jurisdictions the option of adopting more stringent green building standards by adopting one of two code-specified and defined tiers (Tier 1 and Tier 2) that increase the level of green building compliance. Staff is recommending that the City not adopt additional requirements over and beyond the basic mandatory requirements during this code adoption cycle to allow staff time to evaluate the CALGreen mandatory regulations during this cycle and observe the impacts on local development. As part of the City's adopted 2012 Climate Action Plan, staff will be considering bringing to City Council in FY2014-15 a proposed ordinance to incorporate Tier 1 into the CALGreen requirements.

Note that the 2013 California Fire Code is not part of this adoption. The Fire District will be taking proposed amendments to the County Board of Supervisors for approval over the next couple of months. Staff will be returning to the City Council sometime before the end of the first quarter of calendar year 2014 with the Fire District's amendments for ratification and adoption shortly after the Board of Supervisors' approval. The Fire Marshal has indicated to staff that the proposed Fire District amendments for the 2013 California Fire Code will not be changed significantly from the current amendments to the 2013 edition. In fact, the technical amendments regulating photovoltaic construction have been incorporated into the national fire code and, therefore, will be removed from the amendments. There will only be two administrative changes, per the Fire Marshal. The Fire Marshal also indicated that there will not be any break in Fire District service if the City of Concord postpones adoption of the 2013 California Fire Code.

#### ***Additional Code Adoption and Updates***

To provide for the administration and enforcement of all the California construction codes required to be enforced by the City of Concord, staff is also proposing for the first time the local adoption of the 2013 editions of the California Energy Code, California Historic Building Code, and Existing Building Code. By adopting these codes, the City will have the administrative remedies in place to enforce the codes when violations occur. No amendments to these codes are proposed. To provide consistent and up-to-date codes, the Swimming Pool, Spa, and Hot Tub code of Chapter 14 Article XI is also being updated from the 1997 edition to the 2012 edition.

**ORDINANCE NO. 452**

**AN ORDINANCE AMENDING THE CLAYTON MUNICIPAL CODE, CHAPTERS 15.01, 15.02, 15.03, 15.04, AND 15.05 TO BRING THE CITY'S BUILDING, ELECTRICAL, PLUMBING AND MECHANICAL CODES INTO COMPLIANCE WITH AND THEREBY ADOPT THE 2013 EDITIONS OF THE RESPECTIVE CALIFORNIA BUILDING STANDARDS CODES WITH CHANGES, ADDITIONS, AND DELETIONS AS ALLOWED BY STATE LAW (ZOA-06-13)**

**THE CITY COUNCIL  
City of Clayton, California**

**THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY ORDAIN AS FOLLOWS:**

**Section 1      Purpose, Intent, and Findings**

This ordinance is adopted by the City Council of the City of Clayton ("City") to adopt the California Building Standards Commission's adopted and published 2013 Building Standards Code, which is comprised of the 2013 California Building, Residential, Green Building Standards, Electrical, Plumbing, and Mechanical codes. This Ordinance adopts the 2013 California Building Code (Volume I & Volume II), the 2013 California Residential Code, the 2013 California Green Building Standards Code, the 2013 California Electrical Code, the 2013 California Plumbing Code, and the 2013 California Mechanical Code, with changes, additions, and deletions that are necessary because of unique local conditions as set forth in Exhibit A to this Ordinance. It is adopted to mirror the Codes of the County of Contra Costa as required by the contract entered into between the City of Clayton and the County of Contra Costa wherein the County Building Inspection Division provides permitting and enforcement of these Codes for the City of Clayton. As of the effective date of this Ordinance, the provisions of this Building Code are controlling and enforceable within the limits of this jurisdiction. Further, this Ordinance is adopted pursuant to Health and Safety Code sections 17922, 17958, 17958.5, and 17958.7, and Government Code sections 50020 through 50022.10, based upon the findings set forth in attached Exhibit B, which are incorporated herein by reference.

**Section 2      Action to Challenge This Ordinance**

Any action or proceeding to attack, review, set aside, void or annul this ordinance must be commenced and the service made on the City no later than ninety (90) days after its effective date.

**Section 3      Conflicting Ordinances Repealed**

Any ordinance or part thereof, or regulations in conflict with the provisions of this ordinance, are hereby repealed. The provisions of this ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this ordinance.



**Section 4      Severability**

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The Clayton City Council has declared that it would have passed this ordinance and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that any one or more section, subsection, sentence, clause or phrase thereof be declared unconstitutional, invalid or ineffective.

**Section 5      Public Hearing and Notice**

The City held a public hearing on February 4, 2014 at which time all interested persons had the opportunity to appear and be heard on the matter of adopting this ordinance. The City published notice of the aforementioned public hearing pursuant to California Government Code Section 6066 on January 21, 2014 and January 28, 2014.

**Section 6      Effective Date and Publication**

This ordinance shall become effective thirty (30) days from and after its passage. The City Clerk shall certify to the adoption of this ordinance and shall cause a summary thereof to be published at least five (5) days prior to the meeting at which the proposed ordinance is to be adopted and shall post a certified copy of the proposed ordinance in the office of the City Clerk, and within fifteen (15) days of its adoption, shall cause a summary of it to be published, including the vote for and against the same, and shall post a certified copy of the adopted ordinance in the office of the City Clerk, in accordance with California Government Code Section 36933.

**Section 7      Penalty for Violations**

Any violation of this ordinance shall be subject to applicable provisions of Clayton Municipal Code Section 1.20.010. Penalty for Violations - Infractions and Misdemeanors.

**Section 8      CEQA**

The City Council finds that it can be seen with certainty that adoption of this ordinance will not have a significant adverse effect on the environment and is therefore exempt from California Environmental Quality Act pursuant to Section 15061(b)(3) of the CEQA Guidelines. Staff is directed to file a notice of exemption within five (5) days of the adoption of this ordinance.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on the 7<sup>th</sup> day of January, 2014.

Passed, adopted and ordered posted at a regular meeting of the City Council of the City of Clayton on February 4, 2014, by the following vote:


AYES:

NOES:

ABSENT:

ABSTAIN:

The City Council of Clayton, California

  
\_\_\_\_\_  
Hank Stratford, Mayor

ATTEST:

  
\_\_\_\_\_  
Janet Brown, Interim City Clerk

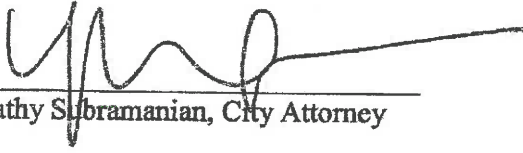
**Attachments:**

- Exhibit A: Amended Chapter 15.09 of the Clayton Municipal Code
- Exhibit B: Findings for Adoption of Ordinance No. 452

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APPROVED AS TO FORM:

APPROVED AS TO ADMINISTRATION:

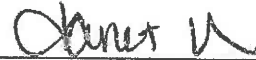


Malathy Subramanian, City Attorney



Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held on the 7<sup>th</sup> day of January, 2014 and was duly adopted, passed and ordered posted at a regular meeting of the City Council held on February 4, 2014.



Janet Brown, Interim City Clerk

# EXHIBIT A

## Chapter 15.01

### GENERAL PROVISIONS

#### Sections:

15.01.002	Application of general provisions.
15.01.020	Reference to officials in adopted codes.
15.01.101	Construction working hours.
15.01.202	Permits.
15.01.204	Fees.
15.01.206	State license required.
15.01.208	Misrepresentations in permit application.
15.01.210	Permit not approval of violations or determination of ownership.
15.01.211	Liability of City.
15.01.212	Expiration of permit.
15.01.214	Refunds.
15.01.402	Abatement procedure.
15.01.404	Stop work orders.
15.01.406	Entry on premises.
15.01.408	Correction notice.
15.01.410	Withhold permit.
15.01.412	Disconnection of utility service.
15.01.414	Power companies to notify City building official.
15.01.416	Enforcement of state law.
15.01.602	Reference to officials in adopted codes
15.01.604	General safety.
15.01.606	Liability of county.

15.01.002 Application of general provisions. These general provisions shall apply to all Chapters of this Title.

15.01.020 Reference to officials in adopted codes. Whenever reference is made in this Title or the codes adopted by reference in this title, to the "building inspector", "inspector", "electrical inspector", "plumbing inspector", "mechanical inspector", "building official", "Director of the Building Inspection Department", "City building inspector" or "City building official", it shall mean the Contra Costa County director of building inspection, county building official, building inspector, or any of his or her duly authorized deputies during such period when the County of Contra Costa is providing building inspection services for the City of Clayton an while such officials are acting as the City's representatives in such matters. These terms shall also include the City Manager, Community Development Director or City Engineer and their designees when enforcing the provisions of this title. Furthermore, references to "state" shall mean the State of California, to "Housing Act" shall mean the Housing Act of this state, to "county



building official, administrative authority, or fire chief" shall mean the director of building inspection of Contra Costa County, and to "county" shall mean the County of Contra Costa.

15.01.101 Construction working hours. All grading and excavation, construction, demolition, renovation, and other works of improvement within the City of Clayton and the on-site maintenance and servicing of construction equipment in the City shall occur only between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday. Any such work beyond said hours and days is strictly prohibited unless previously specifically authorized in writing by the City Engineer or designee or by project conditions of approval. This provision shall not apply to homeowner home improvements.

15.01.202 Permits. No person, firm, or corporation shall erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish any building or structure regulated by this title, or cause the same to be done, or install or connect any equipment regulated by this title, or perform any work regulated by this title, without first obtaining the necessary permits from the City building official.

15.01.204 Fees.

- (a) Fees shall be paid with the submission of an application for any permit required by this title. No application may be filed and accepted as complete until all required fees have been paid. Any permit issued without the payment of all required fees is invalid and of no force and effect. Permit fees and other fees will be in amounts set forth in fee schedules adopted by the City Council and the Contra Costa County Board of Supervisors.
- (b) A person who starts any work for which a permit is required under this title without first having obtained a permit shall, if later issued a permit for such work, pay double the permit fee. This provision does not apply to emergency work if the City building official determines that the emergency work was urgently necessary and that it was not practicable to obtain a permit before starting the work. In all such cases, a permit must be obtained as soon as it is practicable to do so, and if there is an unreasonable delay in obtaining the permit, a double fee shall be charged.

15.01.206 State license required.

- (a) No permit shall be issued to a person to do or cause to be done any work regulated by this title except to the holder of a valid, unexpired and unrevoked license in good standing, issued under Chapter 9, Division 3 of the California Business and Professions Code. Permits may be issued to persons and for work exempt from that statute, and as otherwise provided in this section.
- (b) Building permits. A building permit may be issued to a person holding a valid, unexpired, unrevoked California general contractor's license. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a building permit may

be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

- (c) Electrical permits.
  - (1) An electrical permit may be issued to a person holding a valid, unexpired, unrevoked California electrical contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, an electrical permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.
  - (2) Instead of a separate permit for each building, structure, premises, installation or alteration, an annual electrical permit may be issued to any person regularly employing one or more electricians for electrical work in premises owned or occupied by the applicant for the permit. In the first 15 days of each calendar month, the holder of an annual permit shall report to the City building official on all electrical work done under the annual permit during the preceding month.
- (d) Plumbing permits. A plumbing permit may be issued to a person holding a valid, unexpired, unrevoked California plumbing contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a plumbing permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.
- (e) Mechanical permits. A permit for the erection, installation, moving alteration, repair or replacement of any heating or cooling equipment may be issued to a person holding a valid California warm air heating, ventilating, and air conditioning contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a mechanical permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

15.01.208 Misrepresentations in permit application. No person shall make a false statement or misrepresentation in or in connection with an application for a permit under this title. Any permit issued under this title may be revoked or suspended at any time by the City building official for fraud, misrepresentation or false statement contained in an

application for a permit, or for violation of this title in connection with work done under the permit.

15.01.210 Permit not approval of violations or determination of ownership. The issuance of a permit or approval of plans and specifications shall not be construed as a permit for an approval of any violation of this title or code or determination that the permittee is the owner of the subject property or otherwise authorized to do the work for which the permit has been issued. No permit presuming to give authority to violate or cancel the provisions of this title shall be valid except insofar as the work or use which it authorizes is lawful. The issuance of a permit based on plans and specifications shall not prevent the City building official from later requiring the correction of errors in the plans and specifications or from preventing building operations being carried on under the permit in violation of this title or other regulation of this City.

15.01.211 Liability of City. This title shall not be construed to impose on the City any liability or responsibility for damage resulting from defective building, plumbing, mechanical or electrical work; nor shall the City, or any official or employee of the City, be held to assume this liability or responsibility because of the inspection authorized under this title. The issuance of a building permit under this title shall not be construed as a determination by the City that the permittee has legally sufficient proprietary rights to perform the work on the property for which the permit has been issued or shall it be construed as permission or license to enter on, occupy or otherwise utilize private or non-city property without the express consent of the owner or agent in possession thereof.

15.01.212 Expiration of permit. Every permit issued by the City building official becomes void if the building or work authorized is not begun within 180 days from the permit's date, or if it is suspended or abandoned for 180 continuous calendar days without excuse satisfying the City building official as being beyond control and remedy by the permittee. Evidence of starting work shall consist of at least one required inspection within 180 days of the permit issuance date or the date the permit was suspended or the work was abandoned. Once a permit becomes void, a new permit shall be obtained before any work is commenced or recommenced, and a new permit fee shall be paid. Any permittee holding an unexpired permit may apply for a permit extension upon a showing of good and satisfactory reason acceptable to the City building official. If the permittee is unable to commence work within the time required by this section, the City building official may extend the time of the permit for a period not exceeding 180 days upon written request by the permittee. No permit shall be renewed more than once.

15.01.214 Refunds. The City building official may authorize the refund of required permit fees as follows:

- (a) **Unused Building Permit.** On the voiding of a permit within 60 days after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of fifteen (15) dollars but not more than 80 percent of the permit fee paid. On the voiding of a permit during the period between sixty days and one year after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of fifteen (15) dollars or one-half the total amount paid for the



permit, whichever is smaller. No refunds of plan check fees for issued permits shall be allowed. Any unused plumbing, electrical, or mechanical permit(s) taken in conjunction with a building permit are governed by the refund procedures in subsection (b) of this section.

- (b) Unused plumbing, electrical, or mechanical permits. No refund of deposits for these permits (including subpermits issued in conjunction with building permits, and miscellaneous permits) shall be allowed, except that on the voiding of a permit within one year after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of ten (10) dollars.

15.01.402 Abatement procedure. Any condition existing in violation of this title is a public nuisance. The procedure for the abatement of any building or any other condition declared to be a public nuisance in violation of this title is the procedure specified in the Clayton Municipal Code as set forth in Chapter 8.08. As an alternative to this procedure, abatement may be performed pursuant to the procedure specified in Article 6 (Action and Proceedings) of Subchapter 1 (State Housing Law Regulations) of Chapter 1 of Division 1 of Title 25 (Housing and Community Development) of the California Code of Regulations (25 C.C.R., § 48 et seq.). That procedure is adopted by this reference as though fully set forth herein.

15.01.404 Stop work orders. Whenever any work is being done contrary to this title or any other law or regulation (including, but not limited to, the following: zoning, health, sanitation, grading, fire protection and safety, or flood control) relating to or affecting the work, the City building official may order the work stopped by notice in writing served on any persons engaged in the doing or causing of the work; and these persons shall stop work immediately until authorized by the City building official to proceed with the work. The stop work order will state the reason for the order and the conditions under which the cited work may be permitted to resume. If the work continues after the issuance of a stop work order, each day the work continues is a separate code violation.

15.01.406 Entry on premises.

- (a) Whenever it is necessary to make an inspection to enforce the provisions of this title, or whenever the City building official has cause to believe that there exists in any building or upon any premises any violation of this title or any condition that makes the building or premises unsafe, unsanitary, dangerous or hazardous, the City building official may enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the City building official by this code. If entry is refused, the City building official has recourse to every remedy provided by law to secure entry.
- (b) No person shall conceal any work until it is inspected and written approval to proceed is given. No person shall cover electrical work, or allow it to be covered, to prevent or hinder its inspection, or remove any notice not to cover placed by the City building officials.



15.01.408     Correction notice. If the City building official finds any work as out of compliance with this title, the building official will give written notice to the person engaged in the work. Within 10 days after this notice, or within any reasonable further time that the City building official may prescribe, the person doing the work shall change or remove the work or equipment as the City building official may require to make it comply fully with this division.

15.01.410     Withhold permit. The City building official may, in his or her sole discretion, withhold the issuance or reinstatement of a permit for any structure on a parcel of land concerning either or both of which there exists any violation of law or regulation (including but not limited to the following: building, grading, zoning, fire protection and safety, health, sanitation, or flood control) relating to or affecting that permit. In determining whether a permit shall be issued, the City building official will also consider whether the existing violation constitutes an unlawful occupancy or a hazard to life or property. The City building official may require correction of a violation before issuing a permit, or as a condition of issuance within a stated period of time including any extensions granted for good cause shown. Failure to comply with such condition is a ground for revocation as provided by law.

15.01.412     Disconnection of utility service.

- (a) The City building official may shut off or disconnect any or all utility service to any structure or facility or to any electrical conductor or apparatus that is in violation of any state, City or county law or regulation relating thereto or that endangers the public health, safety or welfare, or the City building official may order this done.
- (b) If the City building official finds that the violation involves an immediate danger to person(s) or properties or to the public health, safety or welfare, the City building official may have the action taken as quickly as he or she deems necessitated by the danger; otherwise the City building official will give 10 days advance notice thereof by mail to the utility and to the owner as shown on the last assessment roll and by conspicuous posting on the property; and the City building official will post notice of the orders and the action taken, which no person shall remove, tamper with or disobey. The City building official will rescind or modify such action which it becomes proper to do so in view of the danger or violation.

15.01.414     Power companies to notify City building official.

- (a) Notice. Whenever in, on or about any building any person engaged in the distribution or sale of electrical energy or natural gas sets, resets, installs or reinstalls any meter for the measurement of electrical energy or natural gas, or connects or reconnects to, or supplies or services any installation of electrical equipment or natural gas, or change the nominal voltage of electrical supply or service to any installation of electrical equipment, or changes any electrical supply or service from two-wire to three-wire or vice versa, or from single-phase to polyphase or vice versa, or from direct current to alternating current or vice versa,

that person shall within two (2) days thereafter, exclusive of Sundays and holidays, give written notice thereof to the City building official specifying the location and address of the installation affected.

- (b) **Thirty-Day Exception.** This notice need not be given for work expressly approved by the City building official within 30 days after inspection approval.
- (c) **Authorization Required.** No person engaged in the distribution or sale of electrical energy shall connect a distribution system, including windpower generators, or any live supply or service conductor(s) therefrom, to any electrical equipment in, on or about any building or cause or allow any energizing of such connections, including windpower or emergency/stand by electrical generation until the City building official inspects the electrical equipment and authorizes such connections. No gas utility provider engaged in the distribution or sale of natural gas shall connect a distribution system to any natural gas equipment in, on or about any building until the City building official inspects the natural gas installation and authorizes such connections.
- (d) **Permit required.** A permit shall be obtained from the City building official to restore electrical or gas service to any structure that has been without such service for 90 days or more. The City building official will notify the servicing utility that the electrical service equipment and associated wiring has been inspected and approved before electrical or gas service may be reinstated.
- (e) **Waiver.** The City building official may, at his or her discretion, temporarily or permanently waive any or all requirements of this article by giving written notice of such waiver to all persons involved. The City building official may likewise at any time revoke such waiver by similar notice.

15.01.416 **Enforcement of state law.** By authority of Section 18300 of the Health and Safety Code, the county assumes the responsibility for enforcement of Part 2.1 of Division 13 of the Health and Safety Code relating to mobilehomes and mobilehome parks, including regulations adopted thereunder and contained in Chapter 2 (Mobilehome Parks Act) of Division 1 of Title 25 of the California Code of Regulations (25 C.C.R. §§ 1000 et seq.) and to the extent allowed by such laws and regulations, may enforce by the remedies allowed under Division 14 of this code.

15.01.602 **Reference to officials in adopted codes.** In the codes adopted by reference in this title, references to "city" mean the City of Clayton; to "city council or mayor" mean the City Council and Mayor of Clayton; to "state" mean the state of California; and to "building official," "chief building inspector," "administrative authority," or "authority enforcing this code" mean the director of building inspection referred to in Section 15.01.020.

15.01.604 **General safety.** All work shall be performed, and all equipment shall be constructed, installed, protected, operated, repaired, used and maintained, in accordance with the requirements of this division and in such manner as to be reasonably safe and

free from risk of accident or injury to person or property. No person shall act contrary to this general regulation or neglect to act as required hereby.

15.01.606     Liability of county. This title shall not be construed to impose on the county any liability or responsibility for damage resulting from defective building, plumbing, mechanical or electrical work; nor shall the county, or any official or employee of the county, be held to assume this liability or responsibility because of the inspection authorized under this title. The issuance of a building permit under this title shall not be construed as a determination by the county that the permittee has legally sufficient proprietary rights to perform the work on the property for which the permit has been issued nor shall it be construed as permission or license to enter on, occupy or otherwise utilize private or noncounty property without the express consent of the owner or agent in possession thereof.

CHAPTER 15.02

2013 CALIFORNIA BUILDING CODE WITH AMENDMENTS

Sections:

- 15.02.001 Adoption.
- 15.02.002 Amendments (California Building Code).
- 15.02.003 Amendments (California Residential Code).

15.02.001 Adoption.

- (a) The building code of this City is the 2013 California Building Code (California Code of Regulations, Title 24, Part 2, Volumes 1 and 2), the 2013 California Residential Code (California Code of Regulations, Title 24, Part 2.5), and the 2013 California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), as amended by the changes, additions, and deletions set forth in this ordinance and Division 72 of the Contra Costa County Code.
- (b) The 2013 California Building Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code is adopted by this reference as though fully set forth in this ordinance.
- (c) The 2013 California Residential Code, with changes, additions, and deletions set forth in this chapter and the previously referenced Division 72, is adopted by this reference as though fully in this ordinance.
- (d) The 2013 California Green Building Standards Code, with changes, additions, and deletions set forth in this chapter and the previously referenced Division 72, is adopted by this reference as though fully in this ordinance.
- (e) At least one copy of this building code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (f) As of the effective date of this ordinance, the provisions of the building code are controlling and enforceable within the City.

15.02.002 Amendments. The 2013 California Building Code (“CBC”) is amended by the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code. Section numbers used below are those of the 2013 California Building Code.

- (a) CBC Chapter 1 is amended by the provisions of Division 72 Section of this code and as follows:



- (1) Sections 103, 109, 112, 113, 114, and 116 of CBC Chapter 1 are deleted.
- (2) Section 105.2 (Work Exempt from Permit) of CBC Chapter 1, subsection 4 is amended to provide that a building permit is not required for the following work:

4. Retaining walls that are not more than three feet in height, measured from the top of the footing to the top of the wall, unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding class I, II, or III-a liquids.

All other work listed in Section 105.2 of CBC Chapter 1 is also exempt from a permit.

- (3) Section 107.1 (Submittal Documents-General) of CBC Chapter 1 is amended by deleting the exception.

- (4) Section 107.2.1 (Information on Construction Documents) of CBC Chapter 1 is amended to read:

**107.2.1** Construction documents shall include dimensions and shall be drawn to scale on suitable material. Electronic media documents may be submitted when approved in advance by the building official. Construction documents shall be sufficient clarity to indicate the location, nature and extent of the work proposed and to show in detail that it will conform to this code and all relevant laws, ordinances, rules and regulations. The first sheet of each set of plans shall give the house and street address of the work and the name and address of the owner and of the person who prepared the plans. Plans shall include a plot plan showing all existing property lines labeled and fully dimensioned, the elevation of the top and toe of cuts and fills, and the location of the proposed building with distances to all property lines and of every existing building on the property. Instead of detailed specifications, the building official may approve references on the plans to a specific section or part of this code or other ordinances or laws.

- (5) Section 110.1 (Inspections – General) is amended by adding the following to the end of the section:

At the time of first inspection by the City building official, a licensed Land Surveyor or Civil Engineer shall certify in writing that the structure is placed according to the approved set of plans. The written certification must include the site address and permit number. This requirement does not apply to alterations or repairs to existing structures that do not affect the exterior limits of the existing structures.

- (b) Section 907.2.11.5.6 (Existing Group R-3 Occupancies) of CBC Chapter 9 (Fire Protection Systems), is amended to read:

**907.2.11.5.6 Existing Group R Occupancies.** In existing flat roof buildings, the installation of a smoke detector that complies with Section R314.4 shall be required when a pitch roof is added on top of the existing flat roof and the solid seating of the flat roof is not removed.

- (c) Section 1406.5 is added to Section 1406 (Combustible Materials on the Exterior Side of Exterior Walls) of CBC Chapter 14 (Exterior Walls), to read:

**1406.5 Wood shakes or shingles.** Wood shakes or shingles uses for exterior wall covering shall be fire treated unless there is a minimum of 10 feet from the exterior wall (including shakes or shingles) to the property line of all sides, except for any sides of exterior walls facing the street.

- (d) In Section 1705.3 (Concrete Construction) of CBC Chapter 17 (Structural Tests and Special Inspections), Exception 1 is amended to read:

Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based on a specified compressive strength of no greater than 2,500 pound per square inch (psi) (17.2 Mpa).

- (e) Section 1809.8 (Plain Concrete Footings) of CBC Chapter 18 (Soils and Foundations) is deleted.
- (f) Section 1810.3.9.3 (Placement of reinforcement) of CBC Chapter 18 (Soils and Foundations) is amended by deleting Exception No. 3.
- (g) Section 1905.1 (Modification of ACI 318 – General) of CBC Chapter 19 (Concrete) is amended to read:

**1905.1 General.** The text of ACI 318 shall be modified as indicated in Sections 1905.1.1 through 1905.1.9.

- (h) Section 1906 (Structural Plain Concrete) of CBC Chapter 19 (Concrete) is deleted.
- (i) Section 1907.1 (Minimum Slab Provisions – General) of CBC Chapter 19 (Concrete) is amended by adding the following sentence to that section:

Slabs shall have six inches by six inches by ten gauge wire mesh or equal at midheight.

- (j) Appendix C and Appendix I of the CBC are incorporated into the City building code. Appendix A, Appendix B, Appendix D, Appendix E, Appendix F, Appendix

G, Appendix H, Appendix J, Appendix K, Appendix L and Appendix M of the CBC are excluded from the City building Code.

15.02.002     Amendments to CRC. The 2013 California Residential Code (“CRC”) is amended by the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code. Section numbers used below are those of the 2013 California Residential Code.

- (a) Sections R103, R108, R111, R112, R113, and R114 of CRC Chapter 1 are deleted.
- (b) In Section R105.2 (Work exempt form permit) of CRC Chapter 1 (Scope and Application), subsection 3 of the paragraph exempting certain building work from the requirement to obtain a permit is amended to exempt the following retaining wall from the requirement to obtain a permit:
  - 3. Retaining walls that are not more than three feet in height, measured from the top of the footing to the top of the wall, unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding class I, II, or III-a liquids.
- (c) Section R403.1.3 (Seismic reinforcing) of CRC Chapter 4 (Foundations) is amended to delete the exception.
- (d) Section R404.1.4.1 (Masonry foundation walls) of CRC Chapter 4 (Foundations) is amended to read:

**R404.1.4.1 Masonry foundation walls.** In addition to the requirements of Table R404.1.1(1), plain masonry walls in buildings assigned to Seismic Design Category D<sub>0</sub>, D<sub>1</sub>, or D<sub>2</sub> shall comply with the seismic requirements of Section 1.18.4.4 of TMS 402, ACI 530, or ASCE 5.
- (e) Section R404.1.4.2 (Concrete foundation walls) of CRC Chapter 4 (Foundations) is amended to read:

**Section R404.1.4.2 Concrete foundation walls.** Concrete foundation walls in buildings assigned Seismic Design Category D<sub>0</sub>, D<sub>1</sub>, or D<sub>2</sub> shall comply with ACI 318, ACI 332, or PCA 100.

CHAPTER 15.03

2013 CALIFORNIA ELECTRICAL CODE WITH AMENDMENTS

Sections:

- 15.03.002 Adoption.
- 15.03.606 Unlawful wiring, electric fences, warning.
- 15.03.608 Power from generators.
- 15.03.612 Public nuisance lighting.

15.03.002 Adoption.

- (a) The electrical code of this City is the 2013 California Electrical Code (California Code of Regulations, Title 24, Part 3, as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Electrical Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code are adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this electrical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the electrical code are controlling and enforceable within the City.

15.03.606 Unlawful wiring, electric fences, warning.

- (a) Prohibition. Except as hereinafter provided, no person shall construct or maintain any spring gun, or any electric wiring device, designated or intended to injure and/or shock animals or persons, or any contrivance or apparatus for such purpose.
- (b) Livestock Exception. Persons principally engaged in the business of handling livestock as a primary means of production or income may electrify fences to control or confine livestock upon complying with all the following requirements:
  - (1) Any contrivance or mechanism to control electrical current in such fences shall be listed by an approved testing laboratory, and shall include a suitable interrupting device and such other safety devices to prevent dangerous currents getting on the fence at any time.
  - (2) Any electrical fence to which the public may have access, except cross fences to confine and control livestock, shall be posted with a warning notice containing the following or similar wording: "DANGER.



ELECTRIC FENCE,” or “DANGER. HIGH VOLTAGE.” This notice shall be posted along any such main fence at intervals of not more than 200 feet and in letters at least two inches high.

15.03.608     Power from generators.

- (a) All occupancies that have commercially supplied electricity shall connect to the commercial supplier.
- (b) Any occupancy that has commercially supplied electricity shall not use a permanent or temporary generator(s), provided that a generator(s) may be used for commercial purposes when authorized by the building official.

15.03.612     Public nuisance lighting. Lighting fixtures shall be so installed, controlled or directed that the light will not glare or be blinding to pedestrians or vehicular traffic or on adjoining property.

CHAPTER 15.04

2013 CALIFORNIA PLUMBING CODE WITH AMENDMENTS

Sections:

15.04.002 Adoption.

15.04.002 Adoption.

- (a) The plumbing code of this City is the 2013 California Plumbing Code (California Code of Regulations, Title 24, Part 5, as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Plumbing Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code, is adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this plumbing code is now on file with the building inspection department, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the plumbing code are controlling and enforceable within the City.

CHAPTER 15.05

2013 CALIFORNIA MECHANICAL CODE WITH AMENDMENTS

Sections:

15.05.002 Adoption.

15.05.002 Adoption.

- (a) The mechanical code of this City is the 2013 California Mechanical Code (California Code of Regulations, Title 24, Part 4 [based on the 2006 Uniform Mechanical Code]), as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Mechanical Code, with the changes, additions, and deletions set forth in Division 72 of the Contra Costa County Code, is adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this mechanical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the mechanical code are controlling and enforceable within the City.

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# **EXHIBIT B**

## **City of Clayton**

### **FINDINGS IN SUPPORT OF CHANGES, ADDITIONS, AND DELETIONS TO STATEWIDE 2013 BUILDING STANDARDS CODE**

The California Building Standards Commission has adopted and published the 2013 Building Standards Code, which is comprised of the 2013 California Building, Residential, Green Building Standards, Electrical, Plumbing, and Mechanical codes. These codes are enforced in the City of Clayton by the City and Contra Costa County Building Inspection Division of the Department of Conservation and Development.

Although these codes apply statewide, Health and Safety Code sections 17958.5 and 18941.5 authorize a local jurisdiction to modify or change these codes and establish more restrictive building standards if the jurisdiction finds that the modifications and changes are reasonably necessary because of local climatic, geological or topographical conditions.

City of Clayton Ordinance No. 452 adopts the statewide codes and amends them to address local conditions, consistent with Contra Costa County.

Pursuant to Health and Safety Code section 17958.7, the Clayton City Council finds that the more restrictive standards contained in Ordinance No. 452 are reasonably necessary because of the local climatic, geological, and topographic conditions that are described below.

#### **I. Local Conditions**

##### **A. Geological and Topographic**

###### **1. Seismicity**

###### **(a) Conditions**

Are reasonably necessary as Contra Costa County is located in Seismic Design Categories D and E, which is the worst earthquake area in the United States. Buildings and other structures in these zones can experience major seismic damage. Contra Costa County is in close proximity to numerous earthquake faults including the San Andreas Fault and contains all or portions of the Hayward, Calaveras, Concord, Antioch, Mt. Diablo, and other lesser faults. A 4.1 earthquake with its epicenter in Concord occurred in 1958, and a 5.4 earthquake with its epicenter also in Concord occurred in 1955. The Concord and Antioch faults have a potential for a Richter 6 earthquake and the Hayward and Calaveras faults have the potential for a Richter 7



earthquake. Minor tremblers from seismic activity are not uncommon in the area.

A study released in 1990 by the United States Geological Survey says that there is a 67% chance of another earthquake the size of Loma Prieta during the next 30 years, and that the quake could strike at any time, including today. Scientists, therefore, believe that an earthquake of a magnitude 7 or larger is now twice as likely to happen as to not happen.

Interstates 680, 80, 580 and State Route 4 run the length throughout Contra Costa County. These interstates and state routes divide the County into a west, south, north and east. An overpass or undercrossing collapse would significantly alter the response route and time for responding emergency equipment. This is due to limited crossings of the interstate and that in some areas there is only one surface street, which runs parallel to the interstate, which would be congested during a significant emergency.

Earthquakes of the magnitude experienced locally can cause major damage to electrical transmission facilities and to gas and electrical lines in buildings, which in turn start fires throughout the County. The occurrence of multiple fires will quickly deplete existing fire department resources; thereby reducing and/or delaying their response to any given fire.

(b) Impact

A major earthquake could severely restrict the response of all Contra Costa County Fire Districts and their capability to control fires involving buildings of wood frame construction, with ordinary roofing materials and flammable exteriors, or with large interior areas not provided with automatic smoke and fire control systems. Also, when buildings not equipped with earthquake structural support move off their foundations, gas pipes may rupture. Fires develop from line ruptures and spread from house to house, causing an extreme demand for fire protection resources. The proximity of large areas within the County to fault traces, necessitates adopting stricter structural construction standards.

2. Soils

(a) Conditions

The area is replete with various soils, which are unstable, clay loam and alluvial fans being predominant. These soil

conditions are moderately to severely prone to swelling and shrinking, are plastic and tend to liquefy.

Throughout Contra Costa County, the topography and development growth has created a network of older, narrow roads. These roads vary from gravel to asphalt surface and vary in percent of slope, many exceeding twenty (20) percent. Several of these roads extend up through the winding passageways in the hills providing access to remote, affluent housing subdivisions. The majority of these roads are private with no established maintenance program. During inclement weather, these roads are subject to rock and mudslides, as well as down trees, obstructing all vehicle traffic. It is anticipated that during an earthquake, several of these roads would be unpassable so as to prevent fire protection resources from reaching fires cause by gas line ruptures or other sources.

### 3. Topographic

#### (a) Conditions

##### i. Vegetation

Highly combustible dry grass, weeds, and brush are common in the hilly and open space areas adjacent to built-up locations six (6) to eight (8) months of each year. Many of these areas frequently experience wildland fires, which threaten nearby buildings, particularly those with wood roofs, or sidings. This condition can be found throughout Contra Costa County, especially in those developed and developing areas of the County. Earthquake gas fires due to gas line ruptures can ignite grasslands and stress fire district resources.

##### ii. Surface Features

The arrangement and location of natural and manmade surface features, including hills, creeks, canals, freeways, housing tracts, commercial development, fire stations, streets and roads, combine to limit feasible response routes for Fire District resources in and to District areas.

##### iii. Buildings, Landscaping and Terrain

Many of the newer large buildings and building complexes have building access and landscaping features and designs, which preclude or greatly limit

any approach or operational access to them by Fire District vehicles. In addition, the presence of security gates and roads of inadequate width and grades that are too steep for Fire District vehicles adversely affect fire suppression efforts.

When Fire District vehicles cannot gain access to buildings involved with fire, the potential for complete loss is realized. Difficulty reaching a fire site often requires that fire personnel both in numbers and in stamina. Access problems often result in severely delaying, misdirecting or making impossible fire and smoke control efforts. In existing structures where pitch roofs have been built over an existing roof, smoke detectors should be required to warn residents of smoke and fire before the arrival of fire personnel.

(b) Impact

The above local geological and topographical conditions increase the magnitude, exposure, accessibility problems, and fire hazards presented to the County fire resources. Fire following an earthquake has the potential of causing greater loss of life and damage than the earthquake itself. Most earthquake fires are created by natural gas developed from gas line ruptures. Hazardous materials, particularly toxic gases, could pose the greatest threat to the largest number, should a significant seismic event occur. Public safety resources would have to be prioritized to mitigate the greatest threat, and may likely be unavailable for smaller single dwellings that were caused by broken gas lines.

Other variables may tend to intensify the situation:

1. The extent of damage to the water system.
2. The extent of isolation due to bridge and/or freeway overpass collapse.
3. The extent of roadway damage and/or amount of debris blocking the roadways.
4. Climatic condition (hot, dry weather with high winds).
5. Time of day will influence the amount of traffic on roadways and could intensify the risk to life during normal business hours.
6. The availability of timely mutual aid or military assistance.
7. The large portion of dwellings with wood shake or shingle coverings (both on the roof diaphragm and

- sides of the dwellings) could result in conflagrations.
8. The large number of dwellings that slip off their foundations and rupture gas lines and electrical systems resulting in further conflagrations.

B. Climatic

1. Precipitation and Relative Humidity

(a) Conditions

Precipitation ranges from 15 to 24 inches per year with an average of approximately 20 inches per year. Ninety-six (96) percent falls during the months of October through April and four (4) percent from May through September. This is a dry period of at least five (5) months each year. Additionally, the area is subject to occasional drought. Relative humidity remains in the middle range most of the time. It ranges from forty-five (45) to sixty-five (65) percent during spring, summer, fall, and from sixty (60) to ninety (90) percent in the winter. It occasionally falls as low as fifteen (15) percent.

(b) Impact

Locally experienced dry periods cause extreme dryness of untreated wood shakes and shingles on buildings and non-irrigated grass, brush and weeds, which are often near buildings with wood roofs and sidings. Such dryness causes these materials to ignite very readily and burn rapidly and intensely. Gas fires due to gas line ruptures can also spark and engulf a single family residence during these dry periods.

Because of dryness, a rapidly burning gas fire or exterior building fire can quickly transfer to other buildings by means of radiation or flying brands, sparks or embers. A small fire can rapidly grow to a magnitude beyond the control capabilities of the Fire District resulting in an excessive fire loss.

2. Temperature

(a) Conditions

Temperatures have been recorded as high as 114° F. Average summer highs are in the 75° to 90° range, with average maximums of 105° F in some areas of unincorporated Contra Costa County.

(b) Impact

High temperatures cause rapid fatigue and heat



exhaustion of firefighters, thereby reducing their effectiveness and ability to control large building, wildland fires, and fires caused by gas line ruptures.

Another impact from high temperatures is that combustible building material and non-irrigated weeds, grass and brush are preheated, thus causing these materials to ignite more readily and burn more rapidly and intensely. Additionally, the resultant higher temperature of the atmosphere surrounding the materials reduces the effectiveness of the water being applied to the burning materials. This requires that more water be applied, which in turn requires more fire resources in order to control a fire on a hot day. High temperatures directly contribute to the rapid growth of fires to an intensity and magnitude beyond the control capabilities of the Fire Districts in Contra Costa County. The change of temperatures throughout the County between very low and extreme highs contributes to a voltage drop in conductors used for power pole lines. This necessitates that voltage drops be considered.

### 3. Winds

#### (a) Conditions

Prevailing winds in many parts of Contra Costa County are from the north or northwest in the afternoons. However, winds are experienced from virtually every direction at one time or another. Velocities can reach fourteen (14) mph to twenty-three (23) mph ranges, gusting to twenty-five (25) to thirty-five (35) mph. Forty (40) mph winds are experienced occasionally and winds up to fifty-five (55) mph have been registered locally. During the winter half of the year, strong, dry, gusty winds from the north move through the area for several days creating extremely dry conditions.

#### (b) Impact

Winds such as those experienced locally can and do exacerbate fires, both interior and exterior, to burn, and spread rapidly. Fires involving non-irrigated weeds, grass, brush, and fires caused by gas line ruptures can grow to a magnitude and be fanned to an intensity beyond the control capabilities of the fire services very quickly even by relatively moderate winds. When such fires are not controlled; they can extend to nearby buildings, particularly those with untreated wood shakes or shingles.

Winds of the type experienced locally also reduce the effectiveness of exterior water streams used by all Contra Costa County Fire Districts on fires involving large interior areas of buildings, fires which have vented through windows and roofs due to inadequate built-in fire protection and fires involving wood shake and shingle building exteriors. Local winds will continue to be a definite factor toward causing major fire losses to buildings not provided with fire resistive roof and siding materials and buildings with inadequately separated interior areas, or lacking automatic fire protection systems, or lacking proper gas shut-off devices to shut off gas when pipes are ruptured, or lacking proper electrical systems. National statistics frequently cite wind conditions, such as those experienced locally, as a major factor where conflagrations have occurred.

II. Necessity of More Restrictive Standards

Because of the conditions described above, the Clayton City Council finds that there are building and fire hazards unique to the City that require the increased fire protection and structural and design load requirements set forth in Ordinance No. 452. The ordinance amends the statewide codes by requiring the installation of a smoke detector in existing flat roof buildings when a pitch roof is added on top of the existing flat roof and the solid sheathing of the flat roof is not removed. (§15.02.002(b).) The ordinance amends the statewide codes by requiring most wood shakes or shingles used for exterior wall covering to be fire treated. (§15.02.002(c).) The ordinance amends the statewide code by requiring special inspections for concrete at certain foundations to be consistent with code requirements for concrete at other locations. (§15.02.002(d).) The ordinance modifies the statewide codes by requiring masonry foundation walls and concrete foundation walls of residential structures to comply with more restrictive seismic requirements. (§ § 15.02.003(d), (e).)

**John Johnston  
City of Clayton**



**2012**

**2014**

**BAY-FRIENDLY LANDSCAPE  
MAINTENANCE PROFESSIONAL**

**From:** Justin Breck [<mailto:justin@bayfriendlycoalition.org>]  
**Sent:** Thursday, January 9, 2014 2:26 PM  
**To:** 'environjon@aol.com'  
**Subject:** Your Bay-Friendly Requalification

Dear John,

Thank you for renewing your status as a Bay-Friendly Qualified Professional, which includes a 2-year membership in the Bay-Friendly Landscaping & Gardening Coalition. In addition to your 2-year membership, you now have exclusive access to the most recent Bay-Friendly Qualified Professional (BFQP) seal, which makes it easy for you to share with clients and colleagues your commitment and qualification status. The digital seal is attached to this e-mail. We would also like to offer you free admission to one of the two upcoming February Brad Lancaster presentations. Simply type "REQUAL" into the promo code field in the registration portal. You can learn more about the presentations (and how to register) here: <http://www.bayfriendlycoalition.org/Calendar.shtml>

Your commitment to Bay-Friendly Landscapes is greatly appreciated. As we build the network and influence of Bay-Friendly Qualified Professionals in the coming year, we plan to leverage our programs to expand markets for your services and work toward a goal of making Bay-Friendly principles representative of the highest standards of sustainability in the landscape.

Thank you again for your commitment and contribution toward our efforts to create healthy & beautiful urban environments.

Kind regards,

Justin

Justin Breck | Administration and Operations Manager

*Bay-Friendly Landscaping & Gardening Coalition*

(510) 859 8026 ext. 707 | [www.bayfriendlycoalition.org](http://www.bayfriendlycoalition.org)

 Please consider the environment before printing this message.



*The Bay-Friendly Landscaping & Gardening Coalition confirms that*

**John Squadroni**

*has met the requirements to become a*

**Bay-Friendly Qualified Landscape  
Maintenance Professional**

*effective April 20, 2012.*



*Debi Tidd*

Debi Tidd  
Bay-Friendly Landscaping & Gardening Coalition



**BAY-FRIENDLY**  
Landscape Maintenance  
Professional



www.ecowisecertified.org



Integrated Pest Management

# CERTIFICATE OF COMPLETION

**Michael Swetnam**  
has successfully completed the requirements for  
**EcoWise Certified Practitioner**

on

July 30, 2013

**Certificate Expires on July 29, 2016**

Certificate No. C-142  
(verify at [www.ecowisecertified.org](http://www.ecowisecertified.org))

**Cell Scandone**  
**Senior Regional Planner**  
**Association of Bay Area Governments**

  
Administered by  
**Association of Bay Area Governments**  
[www.abag.ca.gov](http://www.abag.ca.gov)

**William Querles**  
**Program Manager**  
**EcoWise Certified**