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

**ATTACHMENT B**

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## Section 1 – Permittee Information

| Background Information | | | | | |
|---|---|---|---|---|---|
| Permittee Name: | City of Fairfield | | | | |
| Population: | 110,000 | | | | |
| NPDES Permit No.: | CAS612008 | | | | |
| Order Number: | R2-2015-0049 | | | | |
| Reporting Time Period (month/year): | July 2015 through June 2016 | | | | |
| Name of the Responsible Authority: | George R. Hicks | | | Title: | Public Works Director |
| Mailing Address: | 1000 Webster Street | | | | |
| City: Fairfield | | Zip Code: | 94533 | County: | Solano |
| Telephone Number: | 707-428-7485 | | Fax Number: | | 707-428-7607 |
| E-mail Address: | ghicks@fairfield.ca.gov | | | | |
| Name of the Designated Stormwater Management Program Contact (if different from above): | James J. Paluck | | | Title: | Senior Civil Engineer |
| Department: | Public Works | | | | |
| Mailing Address: | 1000 Webster Street | | | | |
| City: Fairfield | | Zip Code: | 94533 | County: | Solano |
| Telephone Number: | 707-428-7479 | | Fax Number: | | 707-428-7607 |
| E-mail Address: | jpaluck@fairfield.ca.gov | | | | |

## Section 2 - Provision C.2 Reporting Municipal Operations

### Program Highlights and Evaluation
Highlight/summarize activities for reporting year:

Summary:

**See FSURMP Program's Annual Report and BASMAA's Regional Annual Report for FY 2015-16 for a summary of activities conducted program-wide and regionally on the City's behalf.**

### 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.

| | |
|---|---|
| **Y** | Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater |
| **Y** | 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. |
| **Y** | Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work. |

Comments:

**None**

## 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.

| | |
|---|---|
| **Y** | 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 |
| **Y** | Implementation of the BASMAA Mobile Surface Cleaner Program BMPs |

Comments:

**See Section C.5.d.iii for additional comments.**

## 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.

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

Comments:

**None**

## C.2.e. ▶Rural Public Works Construction and Maintenance

| Does your municipality own/maintain rural[1] roads: | | Yes | X | No |
|---|---|---|---|---|

If your answer is **No** then skip to **C.2.f.**

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.

| | |
|---|---|
| | 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:

**NA**

[1]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.

## C.2.f. ▶Corporation Yard BMP Implementation

Place an **X** in the boxes below that apply to your corporations yard(s):

| | |
|---|---|
| | We do not have a corporation yard |
| X | Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit |
| X | We have a **Stormwater Pollution Prevention Plan (SWPPP)** for the Corporation Yard(s) |

Place an **X** in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances.If not applicable, type **NA** 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:

| | |
|---|---|
| X | Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment |
| X | Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system |
| X | Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method |
| X | 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 |
| X | Cover and/or berm outdoor storage areas containing waste pollutants |

Comments:

**None**

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** |
|---|---|---|---|
| **NA** | **NA** | **NA** | **NA** |

## 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)** ***Legal authority to implement C.3.*** **In 2010, the City Council of the City of Fairfield approved an Ordinance adding Chapter 22B to the Fairfield City Code relating to Stormwater Management and Discharge Control. In brief, this Ordinance gives the City authority to implement all requirements found in Provision C.3 for development projects, to ensure compliance with the city's Municipal Regional Permit with the Regional Water Quality Control Board.**

**(2)** ***Development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms.*** **The City of Fairfield reviews and prepares conditions of approval for all development projects. If a project creates greater than 10,000 SF of impervious surface (or less, as determined by Section C.3 of the Permit), a condition of approval is placed on the project requiring that Low Impact Development stormwater quality improvements are designed and constructed, consistent with the MRP.**

**(3)** ***How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA).*** **All development projects are required to undergo CEQA/environmental review. One of the topics that is addressed in this environmental review is Hydrology and Water Quality, and in particular, the degradation of water quality during project construction and post-development. Mitigation measures are required (if needed) to reduce the level of significance to "Less Than Significant".**

**(4)** ***C.3 training for appropriate departments.*** **City staff attends training and classes on Low Impact Development whenever they are offered locally. The most recent C3 training workshop was entitled "Planning, Design & Construction of Low Impact Development Features and Facilities, held on June 7, 2016 in Walnut Creek, hosted by Contra Costa Clean Water Program.**

***(5)*** ***Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders.*** **Other than the stormwater information available on the city website, the city also has flyers at the Public Works front counter at City Hall related to C.3, and an annual mailer is sent out to the public which includes information on stormwater quality.**

**(6)** ***Site design measures at unregulated projects subject to Planning/Building Department review.*** **As part of the development review process for unregulated projects, city staff will typically look at ways that projects can incorporate various site design measures, such as including bio-retention in parking lots, or other measures that are feasible to include in the project design.**

**(7)** ***Source control measures at unregulated projects subject to Planning/Building Department review.*** **As part of the development review process for unregulated projects, city staff will prepare conditions of approval that typically require various source control measures such as: storm drain stenciling, covered trash enclosures, and landscaping that complies with the City's Water Efficient Landscaping Ordinance.**

**(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.*** **NA**

### 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.

## 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 Fairfield is following the design specifications included in BASMAA's Pervious Pavement Fact Sheet.**

## 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** |
| Comments (optional): **The City of Fairfield may look into allowing alternative compliance in the future.** | | | | |

## C.3.e.v ▶ Special Projects Reporting

| | | | | |
|---|---|---|---|---|
| 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)? | | **Yes** | X | **No** |
| 2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the **C.3.b.iv.(2)** Table, and the **C.3.e.v.** Table. | | **Yes** | X | **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.

**NA**

## 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.

**See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems/HM Controls.**

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

| **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 (FY14-15) | **48** |
| 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) | **58** |
| 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) | **17** |
| Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16) | **35%**[2] |
| **Option 2 – Reporting Stormwater Treatment System Inspections (Note: This option is available during FY 15-16 only)** | |
| Total # of SW treatment & HM systems in your agency's database or tabular format at the end of the previous FY | **NA** |
| Total # of SW treatment systems in your agency's database or tabular format at the end of the reporting period | **NA** |
| Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16) | **NA** |
| Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16) | **NA** |

[2] 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).

## 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 majority of the Stormwater Treatment Systems that have been installed continue to be bioretention swales (new and previously approved projects), along with Hydrodynamic Separators (previously approved projects). Inspections of all of the stormwater treatment systems that have been installed showed minor problems, if any (no maintenance issues observed). All inspections are performed by city staff.**

Provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).

Summary:

**The City of Fairfield Public Works staff continues to effectively implement the SWQ O&M Program of the Permit. As additional development projects with SWQ treatment systems are constructed, staff continues to make sure that 20% of the devices (including 20% of vault-based systems) are inspected annually. Furthermore, all newly installed SWQ treatment measures are inspected well within 45 days of installation.**

## 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:

**BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. The City of Fairfield uses the BASMAA's site design fact sheets for C.3.i implementation, and requires all applicable projects approved after December 1, 2012 to implement at least one of the BASMAA site design measures.**

## 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:

**City staff is in the process of preparing to make a presentation on Green Infrastructure to the City of Fairfield elected officials, which will take place in the upcoming months.**

**Please refer to the Program's FY 15-16 Annual Report for a summary of outreach efforts implemented at the county-wide level.**

## 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:

Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.

**City staff has been reviewing the list of public/capital improvement projects that are proposed to see if any Green Infrastructure (GI) elements (such as bio-retention) can be incorporated into the design. Staff used in their analysis the document entitled "*Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects*", prepared by the BASMAA Development Committee, dated May 6, 2016.**

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, and any additional notes provided here (optional).

## 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.

**City staff has been working with other co-permittees as part of the BASMAA Development Committee to coordinate efforts by other co-permittees to help promote Green Infrastructure throughout the region. Please also refer to the Program's FY 15-16 Annual Report 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.

**City staff has been working with other co-permittees as part of the BASMAA Development Committee to coordinate efforts by other co-permittees to help promote Green Infrastructure throughout the region. Please refer to the Countywide Program's FY 15-16 Annual Report 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<br>Project No. | Project Location[9], Street Address | Name of Developer | Project Phase No.[10] | Project Type & Description[11] | Project Watershed[12] | Total Site Area (Acres) | Total Area of Land Disturbed (Acres) | Total New Impervious Surface Area ($ft^2$)[13] | Total Replaced Impervious Surface Area ($ft^2$)[14] | Total Pre-Project Impervious Surface Area[15] ($ft^2$) | Total Post-Project Impervious Surface Area[16] ($ft^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Private Projects** | | | | | | | | | | | |
| Caliber Collision | 2353 Auto Mall Parkway | Caliber Collision | NA | Auto Repair | Ledgewood Creek | 2.0 | 1.7 | 19,720 | 43,868 | 52,978 | 63,588 |
| Critelli Olive Oil | 770 Chadbourne Road | Buzz Oates Group | NA | Warehouse | Perry Watershed | 5.9 | 5.9 | 189,186 | 12,710 | 12,710 | 201,896 |
| Denny's Restaurant | 304 Pittman Road | Denny's | NA | Restaurant | Dan Wilson Creek | 1.0 | 1.0 | 34,000 | 0 | 0 | 34,000 |
| Gardenstone Subd | Tabor Avenue | Hanley Constructn | NA | Residential | Union Avenue Creek | 1.06 | 1.06 | 24,459 | 0 | 0 | 24.459 |
| Gateway 80 | Cordelia Road | Panattoni Company | NA | Warehouse | Perry Drain | 43.5 | 40.0 | 1,565,000 | 0 | 0 | 1,565,000 |
| Green Valley Subd | Business Center Drive | Lewis Land Dev. | NA | Residential | Green Valley Creek | 11.6 | 10.9 | 313,687 | 0 | 10,920 | 313,687 |
| Jayo Subdivision | Business Center Drive | Douglas Jayo | NA | Residential | Green Valley Creek | 7.1 | 7.1 | 176,466 | 0 | 0 | 176,466 |
| North Texas Loop | 3345 North Texas Street | Shell | NA | Gas Station | Laurel Creek | 1.3 | 1.2 | 11,094 | 31,935 | 31,935 | 43,029 |
| Pacific Coast Sply | 3630 Ritchie Road | Pacific Coast | NA | Distribution Center | Cordelia Slough | 6.4 | 5.5 | 142,185 | 1,357 | 3,690 | 143.542 |
| Paradise 360 Sub'd | Paradise Valley Drive | DeNova Homes | NA | Residential | Laurel Creek | 9.7 | 9.4 | 207,736 | 0 | 0 | 207,736 |
| Partnership Health 2 | Business Center Drive | Partnership Health | 2 | Office Building | Green Valley Creek | 6.6 | 6.6 | 192,810 | 0 | 0 | 192,810 |
| **Public Projects** | | | | | | | | | | | |
| **NO PUBLIC PROJECTS TO REPORT FOR THIS FISCAL YEAR** | | | | | | | | | | | |

Comments:
**None**

[9] Include cross streets
[10] 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".
[11] 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.
[12] State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.
[13] All impervious surfaces added to any area of the site that was previously existing pervious surface.
[14] All impervious surfaces added to any area of the site that was previously existing impervious surface.
[15] For redevelopment projects, state the pre-project impervious surface area.
[16] For redevelopment projects, state the post-project impervious surface area.

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

| Project Name Project No. | Application Deemed Complete Date[17] | Application Final Approval Date[18] | Source Control Measures[19] | Site Design Measures[20] | Treatment Systems Approved[21] | Type of Operation & Maintenance Responsibility Mechanism[22] | Hydraulic Sizing Criteria[23] | Alternative Compliance Measures[24/25] | Alternative Certification[26] | HM Controls[27/28] |
|---|---|---|---|---|---|---|---|---|---|---|
| **Private Projects** | | | | | | | | | | |
| Caliber Collision | 01/07/16 | 04/13/16 | Wash areas drain to sewer, Beneficial LS | Minimize land disturbance | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Critelli Olive Oil | 04/22/15 | 07/08/15 | Covered Dumpster, Beneficial LS | Disconnect downspouts | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Denny's Restaurant | 09/01/15 | 12/02/15 | SD Signage, Beneficial LS | Minimize land disturbance | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Garden-stone Subd | 02/03/16 | 06/21/16 | Beneficial LS | NA | Bio-retention | O&M Agreement with | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed |

[17] For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.
[18] For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.
[19] 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.
[20] 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.
[21] 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.).
[22] List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; 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.
[23] 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).
[24] 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.
[25] 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.
[26] Note whether a third party was used to certify the project design complies with Provision C.3.d.
[27] If HM control is not required, state why not.
[28] 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) or method(s) used, such as detention basin(s), biodetention unit(s), regional detention basin, or in-stream control).

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

| Project Name Project No. | Application Deemed Complete Date[17] | Application Final Approval Date[18] | Source Control Measures[19] | Site Design Measures[20] | Treatment Systems Approved[21] | Type of Operation & Maintenance Responsibility Mechanism[22] | Hydraulic Sizing Criteria[23] | Alternative Compliance Measures[24/25] | Alternative Certification[26] | HM Controls[27/28] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Property Owner | | | | that requires HM |
| Gateway 80 | 10/07/15 | 12/09/15 | Covered dumpsters, SD signage, Beneficial LS | NA | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Green Valley Subd | 02/04/15 | 11/17/15 | SD signage, Beneficial LS | NA | Bio-retention | City maintained | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Jayo Subdivision | 8/31/15 | 3/15/16 | SD signage, Beneficial LS | NA | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| North Texas Loop | 12/09/15 | 02/22/16 | SD signage, Covered dumpster | Disconnect downspouts | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Pacific Coast Supply | 07/06/15 | 09/23/15 | Outdoor storage protection, Beneficial LS | NA | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Paradise 360 Sub'd | 09/16/15 | 01/13/16 | SD signage, Beneficial LS | NA | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |
| Partnership Health | 01/14/16 | 04/13/16 | Covered dumpster, Beneficial LS | Disconnect downspouts | Bio-retention | O&M Agreement with Property Owner | 1a | NA | NA | Drains to MS4 and not located downstream of a watershed that requires HM |

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

| Project Name / Project No. | Approval Date[29] | Date Construction Scheduled to Begin | Source Control Measures[30] | Site Design Measures[31] | Treatment Systems Approved[32] | Operation & Maintenance Responsibility Mechanism[33] | Hydraulic Sizing Criteria[34] | Alternative Compliance Measures[35/36] | Alternative Certification[37] | HM Controls[38/39] |
|---|---|---|---|---|---|---|---|---|---|---|
| **Public Projects** | | | | | | | | | | |
| **NO PUBLIC PROJECTS TO REPORT FOR THIS FISCAL YEAR** | | | | | | | | | | |

Comments:

**None**

[29]For public projects, enter the plans and specifications approval date.
[30]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.
[31]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.
[32]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.).
[33]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.
[34]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).
[35]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.
[36]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.
[37]Note whether a third party was used to certify the project design complies with Provision C.3.d.
[38]If HM control is not required, state why not.
[39]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) or method(s) used, such as detention basin(s), biodetention unit(s), regional detention basin, or in-stream control).

## C.3.h.v.(2). ▶Table of Newly Installed[40] 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[41] For Maintenance | Type of Treatment/HM Control(s) |
|---|---|---|---|
| Calbee North America | 2600 Maxwell Way | Calbee North America | Bio-retention |
| Campus Estates | Campus Lane | HOA | Bio-retention |
| Critelli Olive Oil | 770 Chadbourne Road | Buzz Oates | Bio-retention |
| McDonald's | 3500 Nelson Road | Delta-JC, LLC | Bio-retention |
| North Texas Junction | 2525 North Texas Street | Jason Reed | Bio-retention |
| Paradise Valley Dental | 3329 North Texas Street | Quincy Tam | Bio-retention |
| Rockville Terrace | 4625 Mangels Boulevard | Blue Mountain | Bio-retention |

[40] "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.
[41] 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[42] | Status[43] | Description[44] | Site Total Acreage | Gross Density DU/Acre | Density FAR | Special Project Category[45] | LID Treatment Reduction Credit Available[46] | List of LID Stormwater Treatment Systems[47] | List of Non-LID Stormwater Treatment Systems[48] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NO SPECIAL PROJECTS WITHIN THE CITY OF FAIRFIELD TO REPORT** | | | | | | | | | | | | |

[42]Date that a planning application for the Special Project was submitted.
[43] 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.
[44]Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.
[45] For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.
[46]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.
[47]: 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.
[48]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

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

| Project Name and Location[43] | Project Description | Status[44] | GI Included?[45] | Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement[46] |
|---|---|---|---|---|
| FTC Multi-Story Parking Structure | Construction of a new parking structure at the Fairfield Transportation Center | Beginning planning and design phase | TBD | Bridging documents being finalized. Project will more than likely include bio-retention and/or rain gardens in the overall design. |
| West Texas Street Gateway Project | New Fairfield Transportation Center bus off-ramp from Interstate 80 near West Texas Street | Design complete-seeking approval from Caltrans | No | Bio-retention looked at, but contraints on drainage design. Furthermore, minor roadway widening proposed as part of project (<10,000 SF). |
| Heart of Fairfield- West Texas Street | Master Plan to revitalize the downtown area, primarily focusing on West Texas Street area | Currently in the Planning phase | TBD | Project will more than likely include bio-retention in the overall design. |

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

| Project Name and Location[47] | Project Description | Planning or Implementation Status | Green Infrastructure Measures Included |
|---|---|---|---|
| Jepson Parkway Improvements | Widening of an existing roadway (Vanden Road) between Peabody Road and Leisure Town Road | Design nearly complete. Out to bid and contract award anticipated end of 2016. | Bio-retention within parkway strips along roadway. |

[43] List each public project that is going through your agency's process for identifying projects with green infrastructure potential.
[44] Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.
[45] 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.
[46] 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.
[47] 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 Program contracts with the Solano County Department of Resource Management to conduct stormwater inspections of industrial, commercial and food handling businesses within the Program area. The Program updates the Business Inspection Plan as necessary to keep the document current. Changes are made to facilities lists upon observations of facilities closing or a change in compliance status resulting in a reduction or increase in inspection frequency. Specific information on the number of facilities inspected, types of violations incurred and resolution of violations within reasonable time periods is included in each city's 2015-2016 Annual Report as required by the Water Board.**

**Three training events for the Industrial and Commercial Inspectors were held this fiscal year. The Solano Health Inspector training was performed on February 12, 2016. The focus of the training was consistency in enforcement levels, enforcement authority; trash hot spots and outreach; city stormwater ordinances; high-priority facilities needed to be inspected during the fiscal year and enforcement levels associated with illegal discharges.**

**Additionally, in an attempt to increase efficiencies, the responsibility for follow up inspections has been transferred to city staff. As a result of this change two additional training sessions occurred during the year. On April 5, 2016, the City of Suisun's Chief of Police and the Code Enforcement Division were trained for follow-up inspections. Subsequently, on May 31, 2016 the Fairfield Public Works Department and a member of the Code Enforcement Division were trained for follow-up inspections.**

**The Program Management team meets on a monthly basis to discuss important Program issues including commercial, industrial and restaurant inspections. The Program also participates in the Municipal Operations Committee meeting on a regional level, which was originally intended to discuss Industrial and Commercial Site Controls.**

### 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.

**The Potential Facilities List is attached as required.**

## 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.

| | |
|---|---|
| | Permittee reports multiple discrete violations on a site as one violation. |
| X | Permittee reports the total number of discrete violations on each site. |

| | Number | Percent |
|---|---|---|
| Number of businesses inspected | **298** | |
| Total number of inspections conducted | **327** | |
| Number of violations (excluding verbal warnings) | **30** | |
| Sites inspected in violation | **13** | **4%** |
| Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner | **30** | **100%** |

Comments:

**1. Violation Explanation:**

**The Program industrial-commercial and restaurant inspection forms have been designed so that when a facility is seen as being free of violations and without threat to the environment, all of the inspection form line items are checked "yes" and the "In Compliance With Pollution Control Requirements?" box is also checked "yes".**

**Inspection reports where the "no" box is marked in the checklist area and the facility is seen as not being "In Compliance With Pollution Control Requirements?" are incorporated into the "Number of violations" totaled above. The level of enforcement of the offense is delineated in an annual training given to the inspectors and as described in the Program ERP.**

**2. Violations not resolved within 10 days or otherwise deemed resolved in a longer but still timely manner:**

**All violations were resolved within 10 days as required by the MRP.**

## 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) | **8** |
| Potential discharge and other | **22** |

**Comments:**

**All violations were resolved within 10 days as required by the MRP.**

## 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)[48] | Number of Enforcement Actions Taken | % of Enforcement Actions Taken[49] |
|---|---|---|---|
| Level 1 | **Warning Notice** | **10** | **83.3%** |
| Level 2 | **Minor Violation** | **0** | **0** |
| Level 3 | **Major Violation** | **2** | **16.7%** |
| Level 4 | **Legal Action** | **0** | **0** |
| **Total** | | **12** | **100%** |

## 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[50] | Number of Actual Discharge Violations | Number of Potential/Other Discharge Violations |
|---|---|---|
| **General Building Contractors** | **0** | **0** |
| **Manufacturing** | **3** | **5** |
| **Eating and Drinking Places** | **4** | **16** |
| **Services** | **1** | **1** |
| | **8** | **22** |

## 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:

**No non-fliers were discovered this fiscal year.**

[48]Agencies to list specific enforcement actions as defined in their ERPs.
[49]Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.
[50]List your Program's standard business categories.

**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 |
|---|---|---|---|---|---|---|
| Solano County Annual Refresher Training for Storm and Sewer | 2/23/2016 | Enforcement authority; city stormwater ordinances; high-priority facilities needed to be inspected this fiscal year; enforcement levels associated with illegal discharges, High Priority Areas for Trash (see attached training sign-in sheet). | 12 | 92 | 12 | Approx. 50% |
| Fairfield Code Enforcement Training | 5/31/2016 | Enforcement authority; city stormwater ordinances; high-priority facilities needed to be inspected this fiscal year; enforcement levels associated with illegal discharges, High Priority Areas for Trash (see attached training sign-in sheet). | 6 | 67 | 6 | Approx. 50% |

Comments:

**The responsibility for follow up inspections has been transferred to city staff. As a result of this change two additional training sessions occurred during the year. On May 31, 2016 the Fairfield Public Works Department and a member of the Code Enforcement Division were trained for follow-up inspections.**

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 1 | 5-Star Car Wash | 900 Travis Blvd | 94533 | 425-9274 | 7542 |
| 2 | 7 Flags Car Wash | 2270 N Texas Street | 94533 | 426-2000 | 7542 |
| 3 | 7-Eleven - Central Pl | 4449 Central Pl | 94534 | 864-6223 | 5411 |
| 4 | 7-Eleven - E. Tabor Ave | 206 E Tabor Ave | 94533 | 828-6755 | 5411 |
| 5 | 7-Eleven - Phoenix Dr | 1518 Phoenix Dr | 94533 | 425-2012 | 5411 |
| 6 | 7-Eleven - Tabor Ave | 1231 Tabor Ave | 94533 | 422-4626 | 5411 |
| 7 | 7-Eleven - W Texas Near 1st Street | 1400 W Texas St | 94533 | 426-3420 | 5411 |
| 8 | 7-Eleven Food & Liquor | 1500 W Texas Street | 94533 | 428-4020 | 5921 |
| 9 | 99 Cents Only Store | 601 Beck Ave | 94533 | 399-0888 | 5331 |
| 10 | AAMCO - State St. | 301 State St | 94533 | 429-5606 | 7538 |
| 11 | Abbott Laboratories - Ross Products Div. | 2302 Courage Dr | 94533 | 399-1100 | 2064 |
| 12 | ABC Supply Co, Inc. | 2000 Walters Ct | 94533 | | 1711 |
| 13 | Abco Laboratories | 2450 S Watney Wy | 94533 | 432-2200 | 2834 |
| 14 | Ace Master Transmission & Clutch | 2035 N Texas St, Ste C | 94533 | 720-9600 | 7537 |
| 15 | ACI Cork USA, Inc. | 2870 Cordelia Rd, #150 | 94533 | 426-3566 | 2499 |
| 16 | Actega/WIT, Inc. | 2350 S Watney Wy, #G | 94533 | 435-9665 | 2899 |
| 17 | Adalberto's Mexican Food | 2370 N Texas St | 94533 | 428-3604 | 5812 |
| 18 | Afgan Tandour | 1586 Gateway C-5 | 94533 | 348-0500 | 5812 |
| 19 | Akzo Nobel Paints | 1830 W Texas St | 94533 | 422-8622 | 5231 |
| 20 | Alejandro's Taqueria | 936 W Texas St | 94533 | 429-2155 | 5812 |
| 21 | All Star Rents | 2525 Claybank Rd | 94533 | 422-2270 | 7299 |
| 22 | AM PM Mini Market (ARCO) | 3000 Travis Blvd | 94534 | 425-3425 | 5411 |
| 23 | Amcor Pet Packaging | 2425 S Watney Wy | 94534 | 399-6500 | 3085 |
| 24 | American Auto Body Specialist | 1950 Walters Ct | 94533 | 434-9560 | 7532 |
| 25 | Amos & Andrews | 1801 Walters Ct | 94533 | 422-4844 | 1794 |
| 26 | Anheuser Busch | 3101 Busch Dr | 94533 | 429-2000 | 2082 |
| 27 | Anna Kyle School | 1600 Kidder Ave | 94533 | 421-3956 | 8211 |
| 28 | Applebee's - Business Center | 5113 Business Center | 94533 | 207-0202 | 5812 |
| 29 | Applebee's - Travis | 1350 Travis Blvd | 94533 | 399-0796 | 5812 |
| 30 | Applied Materials | 2700 Maxwell Way | 94533 | 423-2100 | 3559 |
| 31 | Arby's #5013 | 4445 Central Pl | 94534 | 864-1158 | 5812 |
| 32 | Arco - AM/PM #6095 | 2339 N Texas St | 94533 | 422-2810 | 5541 |
| 33 | Arco - Cordelia | 4449 Central Place | 94533 | 864-6223 | 5541 |
| 34 | Arco - Travis Blvd. | 3000 Travis Bl | 94533 | 425-3425 | 5541 |
| 35 | Arco AM PM Mini Mart - Nelson | 3650 Nelson Rd | 94533 | 425-4040 | 5541 |
| 36 | Arco AM PM Mini Mart - Nelson | 3555 Nelson Rd | 94533 | 425-4040 | 5541 |
| 37 | Arco AM/PM #06562 | 105 Lopes Road | 94534 | 864-3054 | 5541 |
| 38 | Armijo High School | 824 Washington St | 94533 | 438-3412 | 8211 |
| 39 | Armour Petroleum | 2400 Cement Hill Rd B-3 | 94534 | 437-6668 | 5541 |
| 40 | AT&T | 249 Lopes Rd | 94533 | | 4812 |
| 41 | AT&T Corp - Lopes | 2619 Lopes Rd | 94533 | | 4812 |
| 42 | AT&T Corp - Pebble Beach | 3001 Pebble Beach | 94533 | | 4812 |
| 43 | AT&T Mobility | 1010 Chadbourne Rd | 94534 | 477-0634 | 4812 |
| 44 | AT&T Mobility #40951 | 606 Parker Rd | 94533 | 468-4951 | 4812 |
| 45 | AT&T Mobility #47754 | 2440 N Texas St | 94533 | | 4812 |
| 46 | AT&T Mobility #68465 | 2420 Martin Rd | 94533 | 468-4951 | 4812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 47 | AT&T Mobility #68597 | 4135 Abernathy Rd | 94533 | | 4812 |
| 48 | AT&T Mobility (Cordelia) | 3600 Ritchie Rd | 94534 | | 4812 |
| 49 | AT&T Mobility at FF | Lynch 2 miles Off | 94533 | 559-8800 | 4812 |
| 50 | AT&T Mobility Manuel Compos | Cement Hill/Manuel Compos | 94533 | 580-6000 | 4812 |
| 51 | AT&T Mobility Travis AFB | Building #381 | 94533 | | 4812 |
| 52 | Automedic | 1230 Western St, Ste #B | 94533 | 422-5110 | 7538 |
| 53 | Autozone #3033 | 1706 N Texas Street | 94533 | 428-4256 | 7538 |
| 54 | Avalanche Frozen Yogurt | 1200 Oliver Rd | 94533 | 422-9500 | 5812 |
| 55 | Avalanche Yogurt | 1500 Oliver Rd., 'B' | 94533 | 422-9500 | 5812 |
| 56 | Avalanche Yogurt | 321 W Texas, Ste 102 | 94533 | 425-4866 | 5812 |
| 57 | B. Gale Wilson Elementary | 3301 Cherry Hills Court | 94533 | 435-2882 | 8211 |
| 58 | B.D. Arrington, Inc. | 2026 N Texas Street | 94533 | 425-4357 | 5541 |
| 59 | Baldo's Mexican Food | 1730 W Texas St | 94533 | 426-6130 | 5812 |
| 60 | Ball Metal Beverage Container Corp. | 2400 Huntington Dr | 94533 | 437-5411 | 3411 |
| 61 | Bamboo Garden Restaurant | 100 E Tabor Ave #C | 94533 | 428-1818 | 5812 |
| 62 | Bangkok Paradise | 3344 N Texas St | 94533 | 434-8424 | 5812 |
| 63 | Bangkokian Thai Cuisine | 1500 Oliver Rd, Ste L | 94533 | 427-8688 | 5812 |
| 64 | Barb's Courthouse Deli | 600 Union Ave | 94533 | 425-6034 | 5812 |
| 65 | Barnes and Noble Bookstore | 1620 Gateway Blvd | 94533 | 435-0484 | 5812 |
| 66 | Baskin Robbins - N Texas | 2121 N Texas St | 94533 | 428-9662 | 5812 |
| 67 | Baskin Robbins - Travis | 3069 Travis Blvd | 94533 | 428-3131 | 5812 |
| 68 | Basra AM/PM | 2329 N Texas St | 94533 | 422-2810 | 5411 |
| 69 | Bay Sushi | 1305 Gateway Blvd Ste E-5 | 94533 | 422-1630 | 5812 |
| 70 | Bella Vita Family Bistro | 1926 N. Texas St | 94533 | | 5812 |
| 71 | Benicia Grill II | 2390 N Texas Street | 94533 | 428-0555 | 5812 |
| 72 | Bev Mo! | 1545 Holiday Ln | 94533 | 427-8182 | 5921 |
| 73 | Big Italian Pizzeria | 704 W Texas St | 94533 | 421-9000 | 5812 |
| 74 | Big Lots #4158 | 2505 N Texas St | 94533 | 428-0153 | 5411 |
| 75 | Big O Tires | 2349 N Texas St | 94533 | 427-8474 | 7538 |
| 76 | Bombay Palace | 1123 W Texas St | 94533 | 425-8899 | 5812 |
| 77 | Bonfare Market #27 | 890 E Travis Blvd | 94585 | 429-3459 | 5541 |
| 78 | Bonfare Market #31 | 2301 Walters Rd | 94533 | 428-1176 | 5541 |
| 79 | Buffalo Wild Wings | 1350 Travis Blvd., #1510-A | 94533 | 422-9964 | 5812 |
| 80 | Bugambilias | 739 Texas St | 94533 | 421-8545 | 5812 |
| 81 | Burger King - Holiday Ln | 1475 Holiday Ln | 94533 | 429-4648 | 5812 |
| 82 | Burger King - Huntington Dr | 2005 Huntington Dr | 94533 | 437-3476 | 5812 |
| 83 | Burger King - Pittman | 190 Pittman Rd | 94534 | 864-8466 | 5812 |
| 84 | Burger King - Texas St | 2415 N Texas St | 94533 | 425-3876 | 5812 |
| 85 | Busch Campus Park | 350-380 Chadbourne Road | 94534 | 428-4500 | 1541 |
| 86 | C&J Repair Service | 1950 Cordelia Rd | 94533 | 974-8122 | 7538 |
| 87 | C&S Company | 4475 Olive Ave | 94533 | 422-3308 | 4212 |
| 88 | Cal, Inc. | 1861 Walters Ct, #A | 94533 | 249-9814 | 4225 |
| 89 | Calbee America | 2600 Maxwell Road | 94533 | 427-2500 | 2096 |
| 90 | California Highway Patrol (CHP) | 3050 Travis Blvd | 94533 | 428-2100 | 9221 |
| 91 | California Shingle & Shake | 1179 Western St #A | 94533 | 427-0700 | 2592 |
| 92 | Caltrans Yard | 2019 W Texas St | 94533 | 428-2032 | 9621 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 93 | Canova Moving | 1336 Woolner Ave | 94533 | 425-6756 | 4214 |
| 94 | Carino's Italian | 1640 Gateway Blvd | 94533 | 438-1801 | 5812 |
| 95 | Carl's Jr - Central Wy | 4400 Central Way | 94534 | 864-2122 | 5812 |
| 96 | Carl's Jr - Texas St | 2380 N Texas St | 94533 | 425-6993 | 5812 |
| 97 | Cassil Freight Inc. | 5054 Peabody Rd | 94533 | 437-7354 | 4231 |
| 98 | Cement Hill Storage | 2490 Cement Hill Rd | 94533 | 437-3152 | 2821 |
| 99 | Cemex Inc - Cordelia | 4132 Cordelia Rd | 94534 | 422-0402 | 3273 |
| 100 | Cemex Pacific Holding LLC - Cement Hill | 1601 Cement Hill Rd | 94533 | 422-2520 | 3273 |
| 101 | Cenario's Pizza | 364 Pittman Rd #1 | 94534 | 425-1000 | 5812 |
| 102 | Cenario's Pizza | 1955 W Texas St #9 | 94533 | 425-1000 | 5812 |
| 103 | Center Elementary | 3101 Markeley Lane | 94533 | 449-6155 | 8211 |
| 104 | Charles Sullivan Middle School | 2195 Union Ave | 94533 | 421-3965 | 8211 |
| 105 | Charley's Grilled Subs | 1350 Travis Blvd 1392 B | 94533 | 437-4490 | 5812 |
| 106 | Chevron - North Texas St. | 3350 N Texas St | 94533 | 429-5891 | 5541 |
| 107 | Chevron - Travis | 2990 Travis Blvd | 94533 | 452-0801 | 5541 |
| 108 | Chevron (Travis Blvd.) | 2990 Travis Blvd | 94533 | 427-2990 | 5541 |
| 109 | Chevy's Restaurant | 1730 Travis Blvd | 94533 | 425-8374 | 5812 |
| 110 | Chez Soul | 711 Madison St | 94533 | 427-3338 | 5812 |
| 111 | Chicken Express - N Texas St | 2285 N Texas St | 94533 | 422-2310 | 5812 |
| 112 | Chicken Now | 1350 Travis Blvd | 94533 | | 5812 |
| 113 | Chick-Fil-A | 1750 Travis Blvd. | 94533 | | 5812 |
| 114 | Chick-Fil-A | 1350 Travis Blvd, #1516B | 94533 | 427-3317 | 5812 |
| 115 | China Palace | 715 Jackson St | 94533 | 422-5019 | 5812 |
| 116 | Chipotle | 1586 Gateway Blvd | 94533 | 432-0330 | 5812 |
| 117 | Chocolatte Mexican Café | 1215 N Texas St | 94533 | 313-8128 | 5812 |
| 118 | Chuck E. Cheese | 1027 Oliver Rd | 94533 | 426-4500 | 5812 |
| 119 | Cinnabon | 1350 Travis Blvd | 94533 | 422-2666 | 5812 |
| 120 | City of Fairfield - City Hall | 1000 Webster St | 94533 | 428-7307 | 9221 |
| 121 | City of Fairfield - Police Dept | 1000 Webster St | 94533 | 428-7335 | 9221 |
| 122 | Civic Center Kitchen | 1000 Kentucky St | 94533 | 428-7435 | 8322 |
| 123 | CJ's BBQ & Fish | 520 Parker Rd | 94533 | 437-2260 | 5812 |
| 124 | Classic Patio Furniture Refinishing | 125-E Grobric Ct | 94585 | 864-3655 | 3471 |
| 125 | Cleo Gordon Elem. School | 2030 Dover Ave | 94533 | 435-2902 | 8211 |
| 126 | Clocktower Pizza | 870 E Travis Blvd, D | 94533 | 429-5700 | 5812 |
| 127 | Clorox Products Mfr. Co. | 2600 Huntington Dr | 94533 | 437-2171 | 2842 |
| 128 | Clorox Warehouse | 2500 Huntington Dr | 94533 | 437-2171 | 2842 |
| 129 | Comcast - Fulton | 5133 Fulton Dr | 94533 | 207-1012 | 1731 |
| 130 | Comcast Cable | 2250 Boynton Ave | 94533 | 484-3334 | 4841 |
| 131 | Compu-Tech Lumber Products | 1915 Huntington Ct | 94533 | 437-6683 | 5031 |
| 132 | Convenience Mart | 1295 Horizon Dr #B | 94533 | 422-5765 | 5411 |
| 133 | Cooks Collision | 1851 Woolner Ave | 94533 | 410-4100 | 7532 |
| 134 | Cordelia Deli | 4437 Central Pl | 94534 | 864-3354 | 5812 |
| 135 | Cordelia Fire Protection District | 2155 Cordelia Rd | 94534 | 864-9733 | 9224 |
| 136 | Costco | 5101 Business Center Dr | 94534 | 864-3816 | 5399 |
| 137 | Costco Wholesale | 5101 Business Center Dr | 94533 | 864-4222 | 5399 |
| 138 | Courtyard Marriot | 1350 Holiday Ln | 94533 | 422-4111 | 7011 |

## C.4.b.III - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 139 | Crepes & More | 620 Jackson St | 94533 | 428-2210 | 5812 |
| 140 | Cresco Equipment Rentals | 5170 Fulton Dr #24 | 94533 | 863-7504 | 7353 |
| 141 | Crown Auto Repair | 360 State St | 94533 | 422-2222 | 7538 |
| 142 | CVS Pharmacy - Business Center | 5059 Business Center Dr | 94534 | 863-0712 | 5912 |
| 143 | CVS Pharmacy - Travis Blvd | 300 Travis Blvd | 94533 | 422-3722 | 5912 |
| 144 | Da Costa Auto World | 1907 N Texas St | 94533 | 422-5552 | 7538 |
| 145 | Daily Republic | 1250 Texas St | 94533 | 425-4646 | 2711 |
| 146 | Dave's Giant Hamburgers | 1055 N Texas St | 94533 | 425-1818 | 5812 |
| 147 | Dave's Liquor & Food | 1347 Oliver Rd | 94533 | 425-9010 | 5812 |
| 148 | David A. Weir Elementary School | 1975 Pennsylvania Ave | 94533 | 399-1232 | 8211 |
| 149 | David's Spirit | 2395 N Texas St | 94533 | 399-7733 | 5541 |
| 150 | Dawgs Michigan Coney Island | 628 Parker Rd., #E | 94533 | 437-1309 | 5812 |
| 151 | De Silva Gates Corp. Yard | 2409 Cordelia Rd | 94533 | 361-1575 | 9621 |
| 152 | Dean's Auto and Radiator | 1722 N Texas Street #D | 94533 | 429-9925 | 7539 |
| 153 | Del Taco - Pittman Rd | 201 Pittman Rd | 94534 | 646-2820 | 5812 |
| 154 | Denny's #1932 | 2980 Travis Blvd | 94533 | 425-0303 | 5812 |
| 155 | Denny's #6855 | 260 Pittman Rd | 94533 | 864-0436 | 5812 |
| 156 | Denny's #7727 | 1360 Holiday Ln | 94533 | 422-6511 | 5812 |
| 157 | Dependable Plastics | 4900 Fulton Dr | 94534 | 863-4900 | 2821 |
| 158 | Diablo Valley Packaging | 2373 N Watney Way | 94533 | 422-4300 | 3089 |
| 159 | Diamond Petroleum (Arco AM-PM) | 299 Marina Blvd | 94587 | 429-0132 | 5541 |
| 160 | Dickey's BBQ | 1586 Gateway Blvd | 94533 | | 5812 |
| 161 | Dick's Muffler Shop | 1654 N Texas St, | 94533 | 422-0988 | 7538 |
| 162 | Domino's Pizza | 1345 Oliver Rd | 94533 | 426-3030 | 5812 |
| 163 | Donut Wheel | 2277 N Texas St | 94533 | 429-8911 | 5461 |
| 164 | DQ Grill & Chill | 1350 Travis Blvd Ste 1386-b | 94533 | 425-4386 | 5812 |
| 165 | Driven Raceway | 1560 Gateway Blvd. | 94533 | 426-3748 | 7999 |
| 166 | Duracite | 2100 Huntington Dr | 94533 | 402-1600 | 1799 |
| 167 | DWR - North Bay Maintenance Yard | 1750 Cement Hill Rd | 94533 | 483-4630 | 4941 |
| 168 | Dynasty II | 2401 Waterman Blvd | 94533 | 426-6222 | 5812 |
| 169 | East Bay Tire | 2200 Huntington Dr, #C | 94533 | 437-4700 | 7534 |
| 170 | EDCO Transmission | 1355 N Texas St | 94533 | 425-1007 | 7538 |
| 171 | Edwards Theatre | 1549 Gateway Blvd | 94533 | 432-2140 | 6512 |
| 172 | El Azteca | 1731 N Texas St., "C" | 94533 | 422-2108 | 5812 |
| 173 | El Pollo Loco | 3346 N Texas St | 94533 | 425-7725 | 5812 |
| 174 | El Tejaban Mexican Cuisine | 890 E Travis Blvd "C" | 94533 | 425-2174 | 5812 |
| 175 | Elliot Company | 2339 Courage Dr | 94533 | 746-5933 | 3469 |
| 176 | Engelhart Gourmet Foods | 2475 Courage Dr | 94533 | 422-6300 | 2013 |
| 177 | Enterprise | 2101 N Texas St | 94533 | 425-5500 | 7514 |
| 178 | Evergreen International Airlines | 191 W St, Bldg 925 | 94535 | 437-3740 | 4226 |
| 179 | Everything Green Hydroponics | 1201 Oliver Rd | 94533 | 432-0774 | 2879 |
| 180 | EZ Stop | 1400 W Texas St | 94533 | 426-3420 | 5541 |
| 181 | Fabricated Glass Specialists | 2350 S Watney Way #E | 94533 | 429-6161 | 3231 |
| 182 | Fairfield 76 | 134 Pittman Rd | 94534 | 864-1945 | 5411 |
| 183 | Fairfield Auto Body | 2011 N Texas St | 94533 | 429-5380 | 7538 |
| 184 | Fairfield Cab Corp. | 1740 Enterprise Dr #19, #6 | 94533 | 422-5555 | 7538 |
| 185 | Fairfield Cemetery District | 1707 Union Ave | 94533 | 425-1622 | 6553 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 186 | Fairfield Chevrolet | 2501 Martin Road | 94533 | 427-7777 | 5511 |
| 187 | Fairfield Corp Yard | 420 Gregory St | 94533 | 428-7414 | 9621 |
| 188 | Fairfield Fire Station #35 | 473-A Edison Court | 94533 | 863-8306 | 9224 |
| 189 | Fairfield Fire Station #37 | 1200 Kentucky Street | 94533 | 428-7375 | 9224 |
| 190 | Fairfield Fire Station #38 | 1633 Union Ave | 94533 | 428-7379 | 9224 |
| 191 | Fairfield Ford | 3050 Automall Ct | 94533 | 421-3300 | 5511 |
| 192 | Fairfield High School | 205 E Atlantic Ave | 94533 | 399-5017 | 8211 |
| 193 | Fairfield Mooselodge #861 | 623 Taylor St | 94533 | 422-3245 | 8322 |
| 194 | Fairfield Nissan/Daewoo of Fairfield | 2545 Auto Mall Pkwy | 94533 | 402-3246 | 5511 |
| 195 | Fairfield Nursing and Rehab Center | 1255 Travis Blvd | 94533 | 425-0623 | 8052 |
| 196 | Fairfield Shell | 1990 N Texas St | 94533 | 427-8701 | 5541 |
| 197 | Fairfield Subaru | 2525 Martin Rd | 94533 | 422-7777 | 7538 |
| 198 | Fairfield Tire, Inc. | 1616 W Texas St | 94533 | 425-6491 | 7538 |
| 199 | Fairfield Transmissions, Inc. | 4352 Wiley Ct | 94533 | 425-0245 | 7538 |
| 200 | Fairfield-Suisun Sewer District WWTP - Inlet PS | 1010 Chadbourne Rd | 94585 | 429-3233 | 4952 |
| 201 | Fairfield-Suisun Unified School District | 2490 Hilborn Rd | 94533 | 399-5017 | 8211 |
| 202 | Fairfield-Susiun Unified School District Bus Yard | 2470 Claybank Rd | 94533 | 422-1322 | 4151 |
| 203 | Fairvac Auto | 5016 Peabody Rd | 94533 | 437-5300 | 7538 |
| 204 | Fairview Elementary School | 830 First St | 94533 | 421-3278 | 8211 |
| 205 | Famous Vinnie's Hotdogs | 1708 W. Texas St. | 94533 | 422-3130 | 5812 |
| 206 | Favela's Fusion | 1500 Oliver Rd | 94533 | 421-8484 | 5812 |
| 207 | Favela's Mexican Grill | 3334 N Texas St | 94533 | 428-1496 | 5812 |
| 208 | Fed Ex | 5191 Fermi Dr | 94533 | 207-0703 | 4731 |
| 209 | Finish Master | 1322 W Texas St | 94533 | 425-0286 | 5231 |
| 210 | Fire Wok | 628 Parker Rd, Ste A | 94533 | 437-0100 | 5812 |
| 211 | Fire Wok Mongolian BBQ | 628 Parker Rd #B | 94533 | 437-2439 | 5812 |
| 212 | Firestone Company | 1340 Travis Blvd | 94533 | 426-1700 | 5531 |
| 213 | Firestone/AAFES | TAFB Building 170 | 94535 | 437-2232 | 9711 |
| 214 | Five Guys | 1570 Gateway Blvd. Ste.A | 94533 | 425-2907 | 5812 |
| 215 | Food & Liquor | 198 E Pacific Ave | 94533 | 427-0631 | 5541 |
| 216 | Food Maxx - N Texas St | 1883 N Texas St, #415 | 94533 | 434-9895 | 5411 |
| 217 | Food Maxx #467 | 1955 W Texas St | 94533 | 428-1585 | 5411 |
| 218 | Formaggi De Ferrante | 495 Edison Ct. D | 94534 | 864-6800 | 5812 |
| 219 | Fornotino Italian Kitchen | 2401 Waterman Blvd | 94533 | 428-3882 | 5812 |
| 220 | Fox Auto | 1722 N Texas St, #C | 94533 | 429-9022 | 7532 |
| 221 | Frank and Yuen Lee Chinese | 1955 W Texas St | 94533 | 428-3230 | 5812 |
| 222 | Frank-Lin Distiller | 2455 Huntington Dr | 94533 | 457-5481 | 2085 |
| 223 | Frazee Paint | 1595 Holiday Lane, Suite A-1 | 94534 | 421-1131 | 5231 |
| 224 | Freon Free | 2350 S Watney Way, Ste B | 94534 | 429-9013 | 5093 |
| 225 | Fresh & Natural | 4000 Suisun Valley Rd | 94533 | 646-2874 | 5812 |
| 226 | Fresh Choice | 1501 Gateway Blvd | 94533 | 449-2560 | 5812 |
| 227 | Fresh Healthy Café (Food Court) | 1350 Travis Blvd. | 94533 | 422-1177 | 5812 |
| 228 | Frito Lay, Inc. | 2500 Crocker Cir | 94533 | 437-9342 | 4225 |
| 229 | Fuddruckers | 1750 Travis Blvd | 94533 | 428-4745 | 5812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 230 | G.N.C. - N Texas St | 3336 N Texas St | 94533 | 422-2042 | 5499 |
| 231 | George's Liquor | 1744 N Texas St | 94533 | 425-7929 | 5921 |
| 232 | German Car Service | 1501 W Texas St | 94533 | 425-9111 | 7538 |
| 233 | Glass Pak | 5000 Fulton Dr | 94585 | 207-0400 | 7389 |
| 234 | Glory Fish & Chips | 5089 Business Center Dr #105 | 94533 | 864-0779 | 5812 |
| 235 | GM Towing and Automotive | 532 Parker Rd | 94533 | 437-2989 | 7538 |
| 236 | Golden West Intermediate | 2651 De Ronda Dr | 94533 | 437-4604 | 8211 |
| 237 | Good Guys General Auto | 1312 N Texas St | 94533 | 428-6621 | 7538 |
| 238 | Gordito's | 1025 Oliver Rd | 94533 | 425-9833 | 5812 |
| 239 | Grange Middle School | 1995 Blossom Ave | 94533 | 399-5017 | 8211 |
| 240 | Great Khan's Mongolian | 1350 Travis Blvd | 94533 | 425-7433 | 5812 |
| 241 | Great Moon | 1795 Pennsylvania Ave | 94533 | 426-6886 | 5812 |
| 242 | Green Bamboo Restaurant | 4437 Central Pl, C1 | 94534 | 864-3601 | 5812 |
| 243 | Green Valley Cleaners | 5055 Business Center Dr | 94534 | 863-8588 | 7219 |
| 244 | Green Valley Country Club | 235 Country Club Dr | 94534 | 864-0421 | 7992 |
| 245 | Green Valley Tractor | 4135 Abernathy Rd | 94533 | 425-8933 | 7538 |
| 246 | Greenfield Care Center | 1260 Travis Blvd | 94533 | 425-0669 | 8059 |
| 247 | Guadalajara Fruit Bar | 811 Texas St #2 | 94533 | 655-5762 | 5812 |
| 248 | Guaranteed Auto Repair | 1748 N Texas Street #D | 94533 | 425-0363 | 7538 |
| 249 | Happy Garden | 5055 Business Center Dr | 94534 | 864-8534 | 5812 |
| 250 | He Brews It Café | 1745 Enterprise Ave | 94533 | | 5812 |
| 251 | Hecho En Mexico | 672 Parker Rd | 94533 | 437-3514 | 5812 |
| 252 | Hernandez Produce & Meat | 870 Travis Blvd "I" | 94533 | 765-3783 | 5812 |
| 253 | Hilton Garden Inn | 2200 Gateway Ct | 94533 | 426-6900 | 7011 |
| 254 | Hiro's Oriental Grocery | 1614 W Texas St | 94533 | 422-7266 | 5411 |
| 255 | Home Depot #637 | 2121 Cadenasso Dr | 94533 | 426-9600 | 5251 |
| 256 | Home Town Car Wash | 1634 N Texas St | 94533 | 427-0470 | 7542 |
| 257 | Hometown Buffet | 1305 Gateway Blvd | 94533 | 428-6000 | 5812 |
| 258 | Homewood Suites | 4755 Business Center Dr | 94534 | 863-0300 | 7011 |
| 259 | Hop Hing's Chinese Restaurant | 1343 Oliver Rd | 94533 | 429-1807 | 5812 |
| 260 | Hopkins Acura of Fairfield | 2459 Auto Mall Pkwy | 94533 | 427-1000 | 5511 |
| 261 | Hot Dog on a Stick | 1350 Travis Blvd | 94533 | 434-1863 | 5812 |
| 262 | Hot Spot Café & Deli | 800 Chadbourne Rd | 94533 | 421-0296 | 5812 |
| 263 | Huckleberry's | 3101 Travis Blvd. "B" | 94534 | 427-3800 | 5812 |
| 264 | IBRRC | 4369 Cordelia Road | 94534 | 207-0380 | 752 |
| 265 | I-Hop | 1601 N Texas St | 94533 | 422-5775 | 5812 |
| 266 | In & Out Burger | 1364 Holiday Lane | 94533 | 425-9136 | 5812 |
| 267 | Inay Filipino Kitchen | 1350 Travis Blvd | 94533 | 429-4629 | 5812 |
| 268 | Independent Honda Auto Inc. | 311 State St | 94533 | 428-1003 | 7538 |
| 269 | Inergy | 4900 Fulton Drive, #B | 94533 | 864-6736 | 7538 |
| 270 | Inserve Company | 149 Grobric Ct | 94534 | 864-4140 | 5074 |
| 271 | Jack in the Box - #568 | 1965 W Texas St | 94533 | 429-2772 | 5812 |
| 272 | Jack in the Box #451 - N Texas St | 1980 N Texas St | 94533 | 426-5039 | 5812 |
| 273 | Jack-In-The Box #3455 | 107 Red Top | 94534 | 863-9781 | 5812 |
| 274 | Jalapenos | 1690 W Texas St | 94533 | 330-2157 | 5812 |
| 275 | Jamba Juice | 1450 Travis Blvd, P2 | 94533 | 426-1869 | 5812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 276 | Jarritos | 1746 N Texas St | 94533 | 673-4161 | 5812 |
| 277 | Jelly Belly (Herman Goelitz Candy Co.) | 2400 N Watney Wy (& 2385) | 94533 | 399-2111 | 2065 |
| 278 | Jiffy Lube #3245 | 1330 Holiday Lane | 94534 | 429-9200 | 7538 |
| 279 | Jim Boys Tacos | 3342 N Texas St | 94533 | 399-8215 | 5812 |
| 280 | Joe's Buffet | 834 W Texas St | 94533 | 425-2317 | 5812 |
| 281 | JP's Auto Body | 1205 N Texas St | 94533 | 428-0428 | 7538 |
| 282 | JR's Gas & Market | 685 Parker Rd | 94533 | 437-4025 | 5541 |
| 283 | JSJ Electrical | 167 Grobric Ct | 94534 | 747-5595 | 8063 |
| 284 | Juvenal Cork | 505 Lopes Road, Suite A | 94533 | 863-8855 | 5085 |
| 285 | K&S Subway | 1513 W Texas St | 94533 | 425-7000 | 5812 |
| 286 | Kaiser | 1550 Gateway Blvd | 94533 | 427-4000 | 8669 |
| 287 | Kelly Moore Paint LLC | 1315 W Oliver Rd | 94533 | 429-9883 | 5231 |
| 288 | KFC / Long John Silvers | 2263 N Texas St | 94533 | 422-5220 | 5812 |
| 289 | Kia of Fairfield | 4850 Auto Plaza Court | 94533 | 428-1800 | 7538 |
| 290 | Kiewit Pacific Co | 2898 Vista Grand | 94533 | 399-0409 | 8741 |
| 291 | Kinder's Custom Meats & Deli | 1363 Oliver Rd, #C | 94533 | 399-7427 | 5812 |
| 292 | K-Mart | 2525 N Texas St | 94533 | 422-0774 | 5331 |
| 293 | Koong Jyun Korean BBQ | 740 Texas St #101 | 94533 | 422-4882 | 5812 |
| 294 | Korean Hot Stone | 2190 N. Texas St. | 94533 | 422-4403 | 5812 |
| 295 | Koreana Restaurant | 574 Parker Rd | 94533 | 437-5959 | 5812 |
| 296 | Kwik Serve Station | 1051 Oliver Rd | 94533 | 425-9501 | 5541 |
| 297 | L&L Hawaiian Barbeque | 5121 Business Cener Dr | 94534 | 864-9873 | 5812 |
| 298 | La Charrita Market | 1470 W Texas St | 94533 | 434-8344 | 5812 |
| 299 | La Costa Azul | 1972 N Texas St, Ste A | 94533 | 421-8485 | 5812 |
| 300 | La Mariposa Care & Rehabilitation Center | 1244 Travis Blvd | 94533 | 422-7750 | 8052 |
| 301 | Laurel Creek Elementary School | 2900 Gulf Dr | 94533 | 421-4291 | 8211 |
| 302 | Lee Display West | 2220 Cordelia Rd | 94534 | 425-7900 | 2542 |
| 303 | Legends & Heros @ Rancho Solano | 3250 Rancho Solano Pkwy | 94533 | 434-1160 | 5812 |
| 304 | Legends and Heros Sports Bar | 3990 Paradise Valley Dr | 94533 | 421-2234 | 5812 |
| 305 | Les Schwab Tire Center | 2160 N Texas St | 94533 | 438-7700 | 5531 |
| 306 | Level 3 Communications | 106 Railroad | 94533 | 628-3155 | 3663 |
| 307 | Liquor Tree | 1972 N Texas St, I | 94533 | 428-6639 | 5921 |
| 308 | Little Caesars Pizza | 100 E Tabor Ave | 94533 | 422-3100 | 5812 |
| 309 | Little Philly | 662 Parker Rd | 94533 | 437-6626 | 5812 |
| 310 | Lotus Garden | 1303 W Texas St #A | 94533 | 425-5716 | 5812 |
| 311 | Lowe's of Fairfield | 3400 N Texas St | 94533 | 207-2070 | 5251 |
| 312 | Lucky Jelly Donuts | 760 N Texas St, #75 | 94533 | 425-6798 | 5812 |
| 313 | Lucky's Cleaners | 1972-D N Texas St | 94533 | 429-3899 | 7212 |
| 314 | Luigi's | 721 W Texas St | 94533 | 428-7102 | 5812 |
| 315 | Macroplastics | 2250 Huntington Dr | 94533 | 437-1200 | 2821 |
| 316 | Major Market | 1901 Grande Cir | 94533 | 434-1022 | 5411 |
| 317 | Mandarin Restaurant | 219 Texas St | 94533 | 429-1181 | 5411 |
| 318 | Manila Seafood | 1972 N Texas St, B | 94533 | 421-8777 | 5812 |
| 319 | Marina Pizza | 1324 W Texas St | 94533 | 429-8965 | 5812 |
| 320 | Marriott Fairfield Inn & Suites | 315 Pittman Rd | 94534 | 864-6672 | 5812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 321 | Mary's Pizza Shack | 1500 Oliver Rd, #E | 94533 | 422-2700 | 5812 |
| 322 | Matt Garcia Learning Center | 1100 Civic Center Drive | 94533 | 424-9400 | 8322 |
| 323 | Matt's Gelato & Fresh Fruit | 1350 Travi Blvd #9214 | 94533 | 422-0400 | 5812 |
| 324 | McDonald's - 3080 Travis Blvd | 3080 Travis Blvd | 94533 | 451-0300 | 5812 |
| 325 | McDonald's - Beck Ave | 699 Beck Ave | 94533 | 421-9137 | 5812 |
| 326 | McDonald's - Central Pl | 4400 Central Pl | 94534 | 864-1001 | 5812 |
| 327 | McDonald's - N. Texas St | 2212 N Texas St | 94533 | 421-2867 | 5812 |
| 328 | McDonald's (WalMart Super Store) | 2701 N Texas St | 94533 | 426-2692 | 5399 |
| 329 | McDonald's Mall Food Court | 1350 Travis Blvd | 94533 | 429-2339 | 5812 |
| 330 | Meals on Wheels/Fairfield | 1200 Civic Center Dr | 94533 | 428-7422 | 8361 |
| 331 | Mediterranean Food Center | 823 Texas St, #7 | 94533 | 438-0911 | 5411 |
| 332 | Meineke Car Care Center | 1525 Holiday Ln, "B" | 94533 | 429-8900 | 5531 |
| 333 | Mercedes Benz of Fairfield | 2950 Auto Mall Pkwy | 94533 | 430-0099 | 5511 |
| 334 | Mexico Meat Market | 1922 N Texas St | 94533 | 427-8767 | 5411 |
| 335 | Mexico Meat Market #1 | 1950 N Texas St | 94533 | 429-2484 | 5812 |
| 336 | Meyer Solar Corp. | 2240 Cordelia Rd | 94533 | 425-8187 | 5074 |
| 337 | Meyer/Farberware | 2001 Meyer Wy | 94533 | 399-2176 | 3429 |
| 338 | Mi Sazon Taqueria | 4455 Central Way #D | 94534 | 290-6421 | 5812 |
| 339 | Mike Flynn Painting Old and New | 1230 Western Street #A | 94533 | 426-2745 | 1799 |
| 340 | Mike's Auto Body | 885 Beck Ave | 94533 | 427-2417 | 7532 |
| 341 | Mike's Road Service | 5001 Vanden Rd | 94533 | 437-0666 | 7549 |
| 342 | Miko's Japanese Cuisine | 900 W Texas St | 94533 | 429-5150 | 5812 |
| 343 | Millennium Sports Club | 3250 Rancho Solano Pkwy | 94533 | 438-2582 | 7997 |
| 344 | Mimi's Café | 1650 Gateway Blvd | 94533 | 421-0835 | 5812 |
| 345 | Mission Cleaners (Fargo West, Inc.) | 2713 N Texas St | 94533 | | 2842 |
| 346 | Monsoon Burgers | 321 N Texas St | 94533 | 647-7071 | 5812 |
| 347 | Moorhead Auto Center | 740 N Texas St. | 94533 | 429-4100 | 5531 |
| 348 | Mosquito Abatement District | 2950 Industrial Court | 94533 | 437-1116 | 9631 |
| 349 | Mountain Mike's Pizza | 1819 N Texas St | 94533 | 422-6000 | 5812 |
| 350 | Mrs. Field's Cookies | 1350 Travis Blvd | 94533 | 429-4459 | 5812 |
| 351 | Nations Giant Hamburgers | 1955 W Texas St | 94533 | 425-1800 | 5812 |
| 352 | Nelda Mundy Elementary | 570 Vintage Valley Dr | 94534 | 863-7915 | 8211 |
| 353 | New York Pizza | 3027 Travis Blvd | 94533 | 422-8080 | 5812 |
| 354 | New York Pizza Express | 2159 N Texas ST | 94533 | 399-8802 | 5812 |
| 355 | Nexeo Solutions | 2461 Crocker Circle | 94533 | 437-4000 | 2821 |
| 356 | Niche Coffee | 2460 Hilborn Rd., Ste. C | 94534 | 759-3300 | 5812 |
| 357 | Nippon Industries | 2430 S Watney Wy | 94533 | 427-3127 | 2038 |
| 358 | Noodle House | 1305 Gateway Blvd, Ste 7 | 94533 | 434-8808 | 5812 |
| 359 | Norm's Hytech Auto | 1658 N Texas St | 94533 | 422-6384 | 7538 |
| 360 | North Bay Auto Auction | 250 Dittmer Road | 94534 | 864-1040 | 5012 |
| 361 | North Bay Medical Center | 1200-B Gale Wilson Av | 94533 | 429-7798 | 8062 |
| 362 | North Bay Regional Water Treatment Plant | 5110 Waterworks Dr | 94533 | 428-7680 | 4941 |
| 363 | North Bay Truck Center | 1245 Illinois St | 94533 | 427-1386 | 7539 |
| 364 | North Texas Shell | 3345 N Texas St | 94533 | 427-0984 | 5541 |
| 365 | Ohana Hawaiian BBQ | 1305 Gateway Blvd | 94533 | 428-3883 | 5812 |
| 366 | O'Hara Metal Products | 4949 Fulton Dr | 94533 | 863-9090 | 3429 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 367 | Ohkura | 594 Parker Rd | 94533 | 437-6671 | 5812 |
| 368 | Oliver De Silva, Inc. | 2359 Cordelia Rd | 94533 | | 1629 |
| 369 | Orange Julius | 1350 Travis Blvd | 94533 | 428-9699 | 5812 |
| 370 | Orchard Supply Hardware #501 | 1500 Oliver Rd | 94533 | 427-8665 | 5251 |
| 371 | O'Reilly Auto Parts #1316 | 1803 N Texas St | 94533 | 429-3381 | 5531 |
| 372 | P & M Auto Specialties | 408 Union Ave, Unit G | 94533 | 735-8318 | 5541 |
| 373 | PacBell | 534 Parker Rd | 94533 | 383-9428 | 3661 |
| 374 | PacBell DBA AIT | 2525 N Watney Way | 94533 | 435-7123 | 3661 |
| 375 | Pacific Bell - Webster | 738 Webster St | 94533 | 428-0010 | 3661 |
| 376 | Pacific Bell Construction Yard | 3235 N Texas St | 94533 | 666-1857 | 1711 |
| 377 | Pacific Power & Systems | 4970 Peabody Rd, Ste A | 94533 | 437-2300 | 1731 |
| 378 | Panda Express | 1350 Travis Blvd | 94533 | 427-8030 | 5812 |
| 379 | Panda Express - Gateway Blvd | 1630 Gateway Blvd, #101 | 94533 | 399-9881 | 5812 |
| 380 | Panda Express - N Texas St | 3334 N Texas St, 4 | 94533 | 421-0819 | 5812 |
| 381 | Panera Bread Bakery | 1630 Gateway Blvd #F | 94533 | 427-1473 | 5461 |
| 382 | Papa John's Pizza | 1731 N Texas St | 94533 | 399-7272 | 5812 |
| 383 | Papa Murphy's Pizza | 1070 N Texas St, C | 94533 | 425-1200 | 5812 |
| 384 | Paradise Valley Estates (Care Facility) | 2600 Estates Drive | 94533 | 432-1160 | 6513 |
| 385 | Paradise Valley Estates (Golf Course) | 2600 Estates Dr | 94533 | 432-1120 | 7992 |
| 386 | Paradise Valley Golf Course | 4333 Paradise Valley Dr | 94533 | 428-7686 | 7992 |
| 387 | Park Place Cleaners | 2401 Waterman Blvd, #5 | 94533 | 422-1425 | 7216 |
| 388 | Parkway Lounge | 592 Parker Rd | 94533 | 437-5854 | 5813 |
| 389 | Partnership Health Plan of California | 4665 Business Center Dr | 94533 | 863-4518 | 6324 |
| 390 | Party City | 1335 Gateway blvd | 94533 | 425-1713 | 7539 |
| 391 | Pauli Systems | 1820 Walters Ct | 94533 | 429-2434 | 3471 |
| 392 | Peet's Coffee & Tea | 1380 Holiday Ln | 94533 | 399-8606 | 5812 |
| 393 | Peking restaurant | 3073 Travis Blvd | 94533 | 425-0207 | 5812 |
| 394 | Pelayo's Mexican Food | 5055 Business Center Dr | 94534 | 863-0225 | 5812 |
| 395 | Pelayo's Mexican Restaurant | 1985 W Texas St | 94533 | 449-9765 | 5812 |
| 396 | Penske Truck Leasing | 5199 Fulton Dr | 94533 | 863-0710 | 7359 |
| 397 | Pepper Belly's | 849 W Texas St | 94533 | 426-4622 | 5812 |
| 398 | Petromaxx | 1600 N Texas St | 94533 | 425-8800 | 5541 |
| 399 | Petromaxx - Starbucks | 1600 Texas Street | 94533 | 425-8800 | 5812 |
| 400 | PG&E Cordelia Substation | 2408 Cordelia Road | 94534 | 452-1963 | 4911 |
| 401 | PG&E Information Operations | 425 Beck Ave | 94533 | 427-7835 | 4911 |
| 402 | PG&E Jameson Substation | 403 Watt Court | 94534 | 452-1463 | 4911 |
| 403 | PG&E Peabody Substation | 3101 Peabody Road | 94533 | 452-1963 | 4911 |
| 404 | PG&E Suisun Substation | 301 Union Avenue | 94533 | 452-1963 | 4911 |
| 405 | PG&E Transformer | 1142 Meadowlark Ln | 94533 | | 4911 |
| 406 | Pho Lee Hoa Phat | 870 E Travis Blvd | 94533 | 380-7544 | 5812 |
| 407 | Pick-N-Pull | 4659 Air Base Pkwy | 94533 | 425-3783 | 7538 |
| 408 | Pieology Pizzeria | 1630 Gateway Blvd | 94533 | 427-1169 | 5812 |
| 409 | Pinoy Kabayan Mini Mart | 1308 W Texas St | 94533 | 399-9234 | 5411 |
| 410 | Pizza Guys #124 | 1914 N Texas St | 94533 | 425-6666 | 5812 |
| 411 | Pizza Hut Delivery #283201 | 598 Parker Rd | 94533 | 437-0900 | 5812 |

## C.4.b.III - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 412 | Plaza Oliver Valero | 1009 Oliver Rd, A | 94533 | 399-3600 | 5541 |
| 413 | Preferred Auto Body | 1654 N Texas St, "F" | 94533 | 427-3685 | 7532 |
| 414 | Prestige Tire and Motorworks, Inc. | 307 Travis Blvd | 94533 | 426-3111 | 5531 |
| 415 | Prime Time Nutrition | 1726 N Texas St | 94533 | 399-8035 | 5499 |
| 416 | Priority One Warehouse | 2345 Huntington Drive | 94533 | 437-1100 | 3411 |
| 417 | Professional Hospital Supplies | 2100 Courage Drive | 94533 | 429-2884 | 5047 |
| 418 | Public Safety Academy | 230 Atlantic Ave | 94533 | 421-3933 | 8211 |
| 419 | Purrfect Auto Service #229 | 2525 N Texas St | 94533 | 428-5580 | 7538 |
| 420 | Queen Bee Bakeshop | 1555 W Texas St #28 | 94533 | 421-9707 | 5812 |
| 421 | Quik Stop | 2985 Peabody Rd | 94533 | 437-4701 | 5541 |
| 422 | R&D Bodyworx (Calif. BugWork) | 1626 N Texas St, #C | 94533 | 422-9757 | 7532 |
| 423 | Railroad Avenue Autoworks | 605 Railroad Ave, A | 94533 | 429-1379 | 7538 |
| 424 | Raley's #331 | 3300 N Texas St | 94533 | 421-9990 | 5411 |
| 425 | Raley's #332 | 3001 Travis Blvd | 94533 | 429-8410 | 5411 |
| 426 | Ramos Oil Company | 744 N Texas St | 94533 | 425-5780 | 5172 |
| 427 | Rancho Solano Golf Course | 3191 Cherry Valley Rd | 94533 | 425-0698 | 7992 |
| 428 | Raul's Stiper Café | 1720 N Texas St | 94533 | 423-1965 | 5812 |
| 429 | Recycling Zone | 4989-B Peabody Rd | 94533 | 437-1301 | 4953 |
| 430 | Red Devil Donuts | 3035 Travis Blvd | 94533 | 260-4416 | 5812 |
| 431 | Red Lobster | 1525 Travis Blvd | 94533 | 421-8292 | 5812 |
| 432 | Red Robin | 1360 Travis Blvd | 94533 | 429-8003 | 5812 |
| 433 | Rexam Beverage Can Co. | 2433 Crocker Cir | 94533 | 437-6645 | 3411 |
| 434 | Rockville Inn | 4163 Suisun Valley Rd | 94534 | 864-4325 | 5812 |
| 435 | Rodriquez Automotive | 1605 W Texas St | 94533 | 426-4390 | 5531 |
| 436 | Rolling Hills Elementary School | 2025 Fieldcrest Ave | 94534 | 399-9566 | 8211 |
| 437 | Rosanna's European Delights | 1119 W Texas St | 94533 | 422-2253 | 5812 |
| 438 | Roto Rooter (Fairfield) | 1708 Enterprise | 94533 | 642-9200 | 1711 |
| 439 | Round Table Pizza - Business Center | 5085 Business Center Dr | 94534 | 207-0378 | 5812 |
| 440 | Round Table Pizza - Texas St | 3336 N Texas St | 94533 | 426-6202 | 5812 |
| 441 | Round Table Pizza - Waterman | 2401 Wateman Blvd #9 | 94533 | 425-3127 | 5812 |
| 442 | Ruben's Precision Tune/Best Value | 2135 N Texas St | 94533 | 422-2277 | 7538 |
| 443 | Rubio's | 1450 Travis Blvd., P-3 | 94533 | 399-8958 | 5812 |
| 444 | Ruth Sheldon Elem. | 1901 Woolner Ave | 94533 | 421-4150 | 8211 |
| 445 | Ryan's Auto | 1203 N Texas St | 94533 | 425-2695 | 7538 |
| 446 | S&L Thai Restaurant | 1767 N Texas St | 94533 | 426-6499 | 5812 |
| 447 | S.S. Supplies | 2750 Maxwell Way | 94533 | 426-6666 | 5999 |
| 448 | Saenz Auto Repair | 1320 N Texas St | 94533 | | 7538 |
| 449 | Safeway - Business Center | 5051 Business Center Dr | 94534 | 863-4160 | 5411 |
| 450 | Safeway - Waterman #1127 | 2401 Waterman Blvd | 94533 | 427-5640 | 5411 |
| 451 | Saigon Pho #1 | 1972-C N Texas Street | 94533 | 422-4383 | 5812 |
| 452 | Sam's Teriyaki | 1657 N Texas St | 94533 | 428-4097 | 5812 |
| 453 | Sangam Groceries | 716 Jackson St | 94533 | 422-1022 | 5411 |
| 454 | Saranggola | 1444 W Texas St | 94533 | 422-2155 | 5812 |
| 455 | Scandia Family Center | 4300 Central Pl | 94533 | 864-8558 | 7993 |
| 456 | Scandia School | 100 Broadway St | 94535 | 437-4691 | 5812 |
| 457 | Scott Lamp Co., Inc | 355 Watt Dr | 94534 | 864-2066 | 3645 |
| 458 | Sears Auto Center #6778 | 1495 Gateway Blvd | 94533 | 438-0140 | 7538 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 459 | Sears Dept Store | 1420 Travis Blvd | 94533 | 432-2000 | 5331 |
| 460 | Sem Yeto High School | 301 E Alaska Ave | 94533 | 422-1939 | 8211 |
| 461 | Sepay Groves Olive Oil | 370 Chadbourne Rd | 94533 | 434-8222 | 2079 |
| 462 | Service Champ, Inc. | 1801 Woolner Ave | 94533 | 434-9041 | 3714 |
| 463 | Sgt. Peppers Grill & Saloon | 666 Parker Rd | 94533 | 437-3373 | 5812 |
| 464 | Sheldon Gas Company | 1900 Cordelia Rd, #1 | 94533 | 425-2951 | 5984 |
| 465 | Sheldon United Terminal | 1900 Cordelia Rd, #2 | 94533 | 425-2951 | 5984 |
| 466 | Shell - Central Wy. | 4450 Central Way | 94534 | 864-1462 | 5541 |
| 467 | Shell - North Texas St. | 3345 N Texas St | 94533 | 429-4864 | 5541 |
| 468 | Sherwin Williams | 1448 W Texas St | 94533 | 421-1858 | 5231 |
| 469 | Sierra Truck & Van | 225 Lopes Rd | 94534 | 864-1064 | 7538 |
| 470 | Sizzling Grill | 835 W Texas St | 94533 | 434-9621 | 5812 |
| 471 | Skaggs Trucking | 4958 Peabody Rd | 94533 | 439-9900 | 4173 |
| 472 | Slakey Brothers, Inc. | 1190 Western St | 94533 | 427-3990 | 5074 |
| 473 | SMD Petroleum | 1530 W Texas St | 94533 | 429-0744 | 5541 |
| 474 | Solano Asphalt Maintenance, Inc. | 2400 Cement Hill Rd | 94533 | 439-9182 | 1611 |
| 475 | Solano Athletic Club - Dover | 3001 Dover Avenue | 94533 | 422-2858 | 8699 |
| 476 | Solano Athletic Club - Holiday | 1471 Holiday Lane | 94533 | 429-4363 | 8699 |
| 477 | Solano Community College | 4000 Suisun Valley Rd | 94533 | 864-7000 | 8222 |
| 478 | Solano County Corp Yard | 3255 N Texas St | 94533 | 421-6055 | 9621 |
| 479 | Solano County Garage-Fleet Div 1 | 3255 N Texas St | 94533 | 421-6050 | 9621 |
| 480 | Solano County Garage-Fleet Div 2 | 447 Texas St | 94533 | 421-6764 | 9621 |
| 481 | Solano County Government Center | 675 Texas St | 94533 | 421-6335 | 9532 |
| 482 | Solano County Hall of Justice, JCC/HOC | 600 Union Ave | 94533 | | 8322 |
| 483 | Solano County Jail | 500 Union St | 94533 | 421-6335 | 9223 |
| 484 | Solano County Probation-Fairfield | 475 Union Ave | 94533 | 421-6335 | 8744 |
| 485 | Solano County Roofing | 4349 Cordelia Rd | 94533 | 864-6000 | 1761 |
| 486 | Solano County Sentenced Detention Facility | 2500 Claybank Rd | 94533 | 421-7182 | 9223 |
| 487 | Solano Food Bank Warehouse | 2339 Courage Dr Ste F | 94533 | 421-9777 | 5812 |
| 488 | Solano Garbage Company | 2901 Industrial Court | 94533 | 439-2805 | 4932 |
| 489 | Solano Garbage Natural Gas Fueling Station | 1930 Walters Court | 94533 | 439-2805 | 4935 |
| 490 | Solano Grill International | 516 Parker Rd Ste. A | 94533 | 437-1461 | 5812 |
| 491 | Solano Irrigation District | 1200 Manuel Campos Pkwy | 94533 | 425-4764 | 4941 |
| 492 | Solano Mall Shared Facilities | 1350 Travis Blvd | 94533 | 425-1164 | 6512 |
| 493 | Song's Auto | 538 Parker Rd | 94533 | 437-1313 | 7538 |
| 494 | Spec 240 Warehouse | 5200 Watt Ct | 94585 | | N/A |
| 495 | Specialty Sales Classics | 300 Chadbourne Rd | 94534 | 419-8209 | 7532 |
| 496 | Spices for Less | 1349 Oliver Rd | 94534 | 759-4127 | 5499 |
| 497 | Sprint Nextel of California | 4885 Fulton Dr | 94533 | 599-9186 | 4813 |
| 498 | Stan's Valero | 1740 W Texas St | 94533 | 429-0444 | 5541 |
| 499 | Star Airline Catering | 1229 Western St | 94533 | 422-1892 | 5812 |
| 500 | Star Gas & Liquor | 1369 N Texas St | 94533 | 422-8366 | 5541 |
| 501 | Starbread Bakery | 340 Travis Blvd, #6 | 94533 | 426-4071 | 5812 |
| 502 | Starbucks - 1600 N Texas St | 1600 N Texas St | 94533 | 425-8800 | 5812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 503 | Starbucks - 3334 N Texas St | 3334 N Texas St | 94533 | 435-8281 | 5812 |
| 504 | Starbucks - 4470 Central Way | 4470 Central Way | 94534 | 863-7344 | 5812 |
| 505 | Starbucks - Travis Blvd | 1450 Travis Blvd | 94533 | 422-0891 | 5812 |
| 506 | Starbucks #9511- Texas St | 700 Texas St | 94533 | 421-8274 | 5812 |
| 507 | Starbucks #9792 | 3121 Business Center dr | 94534 | 864-5092 | 5812 |
| 508 | Staybridge Suite | 4755 Business Center Dr | 94534 | 863-0900 | 7011 |
| 509 | Steve Hopkins Honda | 2499 Automall Pkwy | 94533 | 427-1000 | 5511 |
| 510 | Sticky Rice | 5030 Business Center Dr | 94534 | 863-7500 | 5812 |
| 511 | Straw Hat Pizza - Pittman Rd | 251 Pittman Rd. | 94533 | 646-6200 | 5812 |
| 512 | Subway - Business Center | 5055 Business Center Dr, #104 | 94534 | 863-0515 | 5812 |
| 513 | Subway - Central Pl | 4437 Central Place | 94585 | 864-1113 | 5812 |
| 514 | Subway - N Texas St | 3338 N Texas St "B" | 94533 | 434-9535 | 5812 |
| 515 | Subway - Parker Rd | 628 Parker Rd, #F | 94533 | 437-3762 | 5812 |
| 516 | Subway - Solano Mall Food Court | 1350 Travis Blvd #FC-04 | 94533 | 422-3716 | 5812 |
| 517 | Subway - Texas St | 2147 N Texas St | 94533 | 426-6592 | 5812 |
| 518 | Subway - Travis Blvd | 3089 Travis Blvd | 94533 | 427-2000 | 5812 |
| 519 | Subway #44289 | 2401 Waterman Blvd, Ste 4 | 94533 | 436-9650 | 5812 |
| 520 | Subway #47044 | 1350 Gateway Blvd, A-11 | 94533 | 399-8447 | 5812 |
| 521 | Subway at Anheuser Busch | 3101 Busch Drive | 94534 | 429-2000 | 5812 |
| 522 | Subway Sandwich | 340 Travis Blvd | 94533 | 426-6138 | 5812 |
| 523 | Subway Sandwiches - Travis Blvd. Near Raley's | 3089 Travis Blvd | 94533 | 427-2000 | 5812 |
| 524 | Suisun Valley Fruit Growers | 4163 Chadbourne Road | 94533 | 425-2503 | 5431 |
| 525 | Sunpol Resins | 2475 Crocker Circle | 94533 | 487-4697 | 2821 |
| 526 | Super Serv Chevron | 4490 Central Wy | 94534 | 864-8293 | 5541 |
| 527 | Super Store Industries | 199 Red Top Rd | 94533 | 864-0502 | 2026 |
| 528 | Sushi Tandy | 1972 N Texas St, Ste C | 94533 | 427-2434 | 5812 |
| 529 | Sushi-King | 5089 Business Center Dr | 94533 | 644-5320 | 5812 |
| 530 | Sutter Fairfield Diagnostic Imaging Center | 2700 Low Ct | 94533 | 428-2789 | 8071 |
| 531 | Syar Concrete LLC | 4969 Vanden Rd | 94533 | 333-4407 | 3531 |
| 532 | T.J. Maxx | 5063 Business Center Dr | 94533 | 207-0661 | 5947 |
| 533 | Taco Bell - N Texas St | 2334 N Texas St | 94533 | 429-0210 | 5812 |
| 534 | Taco Bell - Solano Mall Food Court | 1350 Travis Blvd | 94533 | 399-3672 | 5812 |
| 535 | Taco Bell - Travis Blvd #2778 | 3070 Travis Blvd | 94533 | 426-2144 | 5812 |
| 536 | Target Store T675 | 2059 Cadenasso Dr | 94533 | 426-1105 | 5399 |
| 537 | TCBY/Pretzel Time | 1350 Travis Blvd | 94533 | 429-5205 | 5812 |
| 538 | Tekni-Kolor Auto | 1702 Enterprise Dr, #1-3 | 94533 | 426-4585 | 7532 |
| 539 | Teriyaki House | 3336 N Texas St | 94533 | 426-2626 | 5812 |
| 540 | Texas Petroleum Beacon | 1530 W Texas St | 94533 | 429-0744 | 5541 |
| 541 | Texas Roadhouse | 3333 N Texas St | 94533 | 422-7623 | 5812 |
| 542 | Thai Market | 321 Texas St | 94533 | 425-9711 | 5411 |
| 543 | Thai Max | 1350 Travis Blvd Ste 1352B | 94533 | 202-1835 | 4290 |
| 544 | Tharco | 2345 S Watney Way, Ste #A | 94533 | 434-0130 | 7389 |
| 545 | The Jelly Donut | 1615 W Texas St | 94533 | 425-1111 | 5812 |
| 546 | The Muffler Store | 408 Union Ave #C | 94533 | 428-3707 | 7539 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 547 | The Oil Connection | 327 W Texas St | 94533 | 422-5600 | 7538 |
| 548 | The Pagoda | 2155 N Texas St | 94533 | 425-6817 | 5411 |
| 549 | The Smog Shop | 1908 N Texas St, F & G | 94533 | 429-4100 | 7538 |
| 550 | The Suite | 1721 N Texas St | 94533 | 425-8352 | 5813 |
| 551 | Thompson's Corner | 2147 Cordelia Rd | 94533 | | 5813 |
| 552 | Tokyo Sushi | 3079 Travis Blvd | 94533 | 427-2448 | 5812 |
| 553 | Tolenas School | 4500 Tolenas Rd | 94533 | 399-5017 | 8211 |
| 554 | Tony's 2 Go Market & Deli | 995 Oliver Rd Ste 12 | 94534 | 425-2923 | 5411 |
| 555 | Tower Mart - Gold Hill Rd | 4720 Gold Hill Road | 94533 | 864-2506 | 5541 |
| 556 | Tower Mart #86 | 4720 Gold Hill Rd | 94585 | 864-2506 | 5541 |
| 557 | Tower Mart #90 | 119 Red Top Rd | 94534 | | 5541 |
| 558 | Trader Joe's | 1350 Gateway Blvd | 94533 | 434-0144 | 5411 |
| 559 | Trans Bay Steel | 2400 Cordelia Rd | 94534 | 430-4619 | 3441 |
| 560 | Travis 76 | 1300 Travis Blvd | 94533 | 427-1219 | 5541 |
| 561 | Travis Auto Parts | 502 Parker Rd | 94533 | 437-4617 | 5531 |
| 562 | Travis Elementary School | 100 Hickman Ave | 94533 | 437-2070 | 8211 |
| 563 | Travis Unified School District | 2751 DeRonde Rd | 94533 | 437-8231 | 4144 |
| 564 | Travis Water Treatment Plant | 383 Fairchild Dr, Bldg 1207 | 94534 | 437-3381 | 4971 |
| 565 | Truffle Berries | 731 Texas St | 94533 | 673-4321 | 5812 |
| 566 | Tutti Frutti Yogurt | 3334 N Texas St | 94533 | | 5812 |
| 567 | Tuttimellon | 1350 Travis Blvd, #1421 | 94533 | 422-8400 | 5812 |
| 568 | U76 - Western Fund Group (Kwick Stop) | 134 Pittman Rd | 94533 | 864-1945 | 5541 |
| 569 | Union Food & Liquor | 400 Union Ave | 94533 | 425-1099 | 5411 |
| 570 | Unique Automotive | 1635 W Texas St | 94533 | 427-1907 | 7538 |
| 571 | United Pacific Elevator Corp (Vertrans) | 5045 Fulton Dr, #B | 9 4533 | 864-5622 | 5084 |
| 572 | United Parcel Service | 5000 W Cordelia Rd | 94533 | 864-8200 | 4311 |
| 573 | Universal Plant Services | 505 Lopes Rd, Suite D | 94533 | 864-0100 | 3541 |
| 574 | Valero | 2595 N Texas St | 94533 | 421-0820 | 5541 |
| 575 | Valero Flyers #28- Nella Oil | 4444 Central Pl | 94533 | 207-0317 | 5541 |
| 576 | Valley Café | 4171 Suisun Valley Rd #A | 94533 | 853-4871 | 5812 |
| 577 | Vanden High School | 2951 Markley Ln | 94533 | 437-8270 | 8211 |
| 578 | Vegan Paradice | 846 Texas St | 94533 | 429-2881 | 5812 |
| 579 | Verizon Business C/O MCI | 97 Cordelia Rd | 94533 | | 3663 |
| 580 | Verizon Sites | 1010 Chadbourne Rd, #3 (FF,SC,Cordelia) | | 372-0022 | 4812 |
| 581 | Verizon Wireless - Travis AFB | 2851 Dobe Ln | 94535 | 372-0020 | 4812 |
| 582 | Verizon Wireless Mobile Switching Center | 2545 N Watney | 94533 | 410-5300 | 4812 |
| 583 | Vicinis Pizzeria | 3342 N Texas St, C&D | 94533 | 425-2000 | 5812 |
| 584 | Vitamin Adventure | 3017 Travis Blvd | 94533 | 425-7394 | 5499 |
| 585 | V-Tech Auto | 1722 N Texas St, #A | 94533 | 421-9366 | 5541 |
| 586 | W.J. Datech | 1249 Illinois Street | 94533 | 429-5009 | 7538 |
| 587 | Walgreens #1940 | 1955 W Texas St | 94533 | 428-0494 | 5912 |
| 588 | Walmart #2048 | 2701 N Texas St | 94533 | 428-4792 | 5399 |
| 589 | Wasabi Janes Sushi | 1350 Travis Blvd | 94533 | | 5812 |

## C.4.b.iii - Potential Facilities List - Fairfield

| No | Facility Name | Address | Zip Code | Phone No | SIC |
|---|---|---|---|---|---|
| 590 | Waterman Water Treatment Plant | 2900 Vista Grande | 94533 | 428-7594 | 4971 |
| 591 | Waterworks Construction | 4989-C Noonan Ln | 94533 | 457-0991 | 1721 |
| 592 | Wendy's - Central Pl | 4447 Central Pl | 94533 | 864-5626 | 5812 |
| 593 | Wendy's - N Texas St | 2045 N Texas St | 94533 | 429-2199 | 5812 |
| 594 | West Texas LLC/ Chevron | 1247 W Texas St | 94533 | 426-6053 | 5541 |
| 595 | Westfield Shoppingtown Solano | 1350 Travis Blvd | 94533 | 425-1164 | 5311 |
| 596 | Wetland Construction Inc. | 1 Wetland Lane | 94534 | 422-6848 | 1629 |
| 597 | Wetzel's Pretzels | 1350 Travis Blvd, #9021 | 94533 | 422-2888 | 5821 |
| 598 | Wheel Works | 2211 N Texas St | 94533 | 428-7200 | 5531 |
| 599 | Whited Cemetary Services | 4989 Peabody Rd | 94533 | | 5087 |
| 600 | Willie's Truck Parts | 3002 Rockville Rd | 94533 | 429-2130 | 7539 |
| 601 | Wingstop | 1630 Gateway Blvd | 94533 | 426-9464 | 5812 |
| 602 | Wolfskill Energy Center | 2425 Cordelia Rd | 94534 | 399-4380 | 4911 |
| 603 | Xylem Water Solutions | 790 Chadbourne Rd | 94533 | 422-9894 | 5084 |
| 604 | Yippie Yogurt | 1955 W Texas St | 94533 | 422-0447 | 5812 |
| 605 | Yo Sushi | 1430 N Texas St | 94533 | 425-1100 | 5812 |
| 606 | Zaccaria's Café and Fine Foods | 370 Chadbourne Rd | 94533 | 487-7731 | 5812 |

## Facilities Scheduled for Inspection - Fairfield

| No | Facility Name | Address | Zip | Phone | SIC | SW Permit |
|---|---|---|---|---|---|---|
| 1 | 5-Star Car Wash | 900 Travis Blvd | 94533 | 425-9274 | 7542 | Yes |
| 2 | Abbott Laboratories - Ross Products Div. | 2302 Courage dr | 94533 | 399-1100 | 2064 | Yes |
| 3 | Amcor Pet Packaging | 2425 S Watney Wy | 94534 | 399-6500 | 3085 | Yes |
| 4 | Anheuser Busch | 3101 Busch Dr | 94533 | 429-2000 | 2082 | Yes |
| 5 | Busch Campus Park | 350-380 Chadbourne Road | 94534 | 428-4500 | 1541 | Yes |
| 6 | Caltrans Yard | 2019 W Texas St | 94533 | 428-2032 | 9621 | Yes |
| 7 | Canova Moving | 1336 Woolner Ave | 94533 | 425-6756 | 4214 | Yes |
| 8 | Cemex Pacific Holding LLC - Cement Hill | 1601 Cement Hill Rd | 94533 | 422-2520 | 3273 | Yes |
| 9 | Clorox Products Mfr. Co. | 2600 Huntington Dr | 94533 | 437-2171 | 2842 | Yes |
| 10 | Clorox Warehouse | 2500 Huntington Dr | 94533 | 437-2171 | 2842 | Yes |
| 11 | Fairfield Corp Yard | 420 Gregory St | 94533 | 428-7414 | 9621 | Yes |
| 12 | Fairfield-Susiun Unified School District Bus Yard | 2470 Claybank Rd | 94533 | 422-1322 | 4151 | Yes |
| 13 | Frito Lay, Inc. | 2500 Crocker Cir | 94533 | 437-9342 | 4225 | Yes |
| 14 | Inserv | 780 Chadbourne Rd | 84534 | 864-3049 | 5074 | Yes |
| 15 | Jelly Belly (Herman Goelitz Candy Co.) | 2400 N Watney Wy (& 2385) | 94533 | 399-2111 | 2065 | Yes |
| 16 | Pick-N-Pull | 4659 Air Base Pkwy | 94533 | 425-3783 | 7538 | Yes |
| 17 | Ramos Oil Company | 744 N Texas St | 94533 | 425-5780 | 5172 | Yes |
| 18 | Recycling Zone | 4989-B Peabody Rd | 94533 | 437-1301 | 4953 | Yes |
| 19 | Solano County Garage-Fleet Div 1 | 3255 N Texas St | 94533 | 421-6050 | 9621 | Yes |
| 20 | Solano Garbage Company | 2901 Industrial Court | 94533 | 439-2805 | 4932 | Yes |
| 21 | Super Store Industries | 199 Red Top Rd | 94533 | 864-0502 | 2026 | Yes |
| 22 | Syar Concrete LLC | 4969 Vanden Rd | 94533 | 333-4407 | 3531 | Yes |
| 23 | Travis Unified School District | 2751 DeRonde Rd | 94533 | 437-8231 | 4144 | Yes |
| 24 | Travis Water Treatment Plant | 383 Fairchild Dr, Bldg 1207 | 94534 | 437-3381 | 4971 | Yes |
| 25 | Waterman Water Treatment Plant | 2900 Vista Grande | 94533 | 428-7594 | 4971 | Yes |

## 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 Fairfield continues to proactively enforce the City's Stormwater Ordinance No. 2010-04, Article 22B to regulate non-stormwater discharges into the public storm drain system, and to protect the storm drain system from spills, dumping, or disposal of materials other than clean stormwater. The City continues to use door hanger notifications (similar in appearance to a traffic citation) for illicit discharges.**

**The number of citations issued have typically declined each of the past few years, more than likely accredited to the public's awareness of these types of violations.**

**The Program Manager participates in BASMAA's Municipal Maintenance and Commercial/ Industrial Controls meetings. Additionally, monthly Stormwater Management meetings are held at the Program level to discuss illicit discharge detection and elimination and screening protocol. The city utilize the Program's Illicit Discharge Detection and Elimination Program Manual to assist them in identification, detection and elimination of illicit discharges throughout the city.**

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

List below or attach your complaint and spill response phone number

**Main contact number is 707-428-7300 (City of Fairfield Police Department)**

Provide your complaint and spill response web address, if used

**www.fairfield.ca.gov/gov/depts/pw/ops/drainage_maintenance.asp**

Is a screen shot of your website showing the central contact point attached? [X] **Yes** [ ] **No**

If No, explain:

**NA**

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.

**Spill response is advertised both on the city website and through an annual mailer to all citizens regarding various issues related to flood awareness and stormwater quality. There is also a color flyer entitled "You are the Solution to Water Pollution" which talks about keeping the storm drain system and local waterways clean, and also includes this same phone number to call to report illegal discharges and spill response. The phone number to call for spill response is a common one in Fairfield, since it is the main phone number for the Police Department.**

## 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)) | 7 | |
| Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2)) | 3 | 43% |
| Discharges resolved in a timely manner (C.5.d.iii.(3)) | 7 | 100% |

Comments:

**The City of Fairfield responds to all complaints of illicit discharges. Information is received from the general public, public safety agencies, and from city employees. The City makes every effort to personally contact responsible parties in an effort to allow them to clean up the discharge and to prevent it from happening in the future. If immediate contact with the responsible individual is not possible, the City will contain, and if necessary, clean up the discharge immediately. In those instances where there is a potential discharge to the storm drain system, the responsible party is given a "door hanger" that explains the nature of the violation and gives them 10 days to rectify the situation. The door hanger also contains information for them to contact the City. The City will follow up within the 10 day period to ensure the situation is rectified.**

## 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.

**On the City website, on the same page where it talks about Illegal Dumping and Spill Response, there is a section on Storm Drain Maps, where it states "The Department keeps updated storm drain maps for all of the storm drain lines and appurtenant facilities they maintain." It also includes what number to call for additional information on these storm drain maps.**

## 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? | | | | |
|---|---|---|---|---|
| | X | Local criteria such as maps of hillside development areas or other written criteria | | The permit definition of projects on sites with ≥ 15% slope |

Description:

**The City of Fairfield has adopted Hillside Management Guidelines (dated November 19, 1996, Ordinance No. 96-18) that regulates new development within the boundary of the Hillside Overlay District. A copy of these Guidelines can be made available upon request.**

### 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 ≥ 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) |
|---|---|---|
| **0** | **11** | **16** |

Comments:

**Inspections were also performed by Public Works staff for projects that disturbed 1 acre or less (2 total projects). Both of these projects were City Capital Improvement Projects. There were 32 inspections performed for all of the projects within the past year. In summary, the problems encountered during the site inspections were minor in nature, and all violations were corrected in a timely manner (within 10 days).**

## C.6.e.iii.2.d ▶Construction Activities Storm Water Violations

| BMP Category | Number of Violations[51] excluding Verbal Warnings | % of Total Violations[52] |
|---|---|---|
| Erosion Control | 4 | 36% |
| Run-on and Run-off Control | 0 | 0 |
| Sediment Control | 4 | 36% |
| Active Treatment Systems | 0 | 0 |
| Good Site Management | 3 | 28% |
| Non Stormwater Management | 0 | 0 |
| **Total**[53] | 11 | 100% |

[51]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.

[52]Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

[53]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

| | Enforcement Action (as listed in ERP)[54] | Number Enforcement Actions Issued | % Enforcement Actions Issued[55] |
|---|---|---|---|
| Level 1[56] | **Verbal Notice/Warning** | **10** | **91%** |
| Level 2 | **Notice to Comply** | **1** | **9%** |
| Level 3 | **Notice of Violation** | **0** | **0** |
| Level 4 | **Stop Work/Administrative Fine (Legal Action)** | **0** | **0** |
| **Total** | | **11** | **100%** |

## C.6.e.iii.2.f, g ►Illicit Discharges

| | 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) | **0** |
| 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) | **0** |

[54]Agencies should list the specific enforcement actions as defined in their ERPs.
[55]Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.
[56]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) | 1 | 100%[57] |
| **Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered** (C.6.e.iii.1.i) | 0 | 0%[58] |
| **Total number of violations (excluding verbal warnings) for the reporting year[59]** | 1 | 100% |
| **Comments:**<br>**All violations were corrected in a timely manner, within 10 days of identifying the problem.** | | |

## 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:

**The amount of field problems encountered remains low, and comparable to previous years. All violations were either a Level 1 or 2 enforcement action, and were corrected within 10 days.**

## 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:

**The City had a total of 12 projects that disturbed 1 acre or more this past year, including other projects less than one acre. That last training session was held on March 10, 2016, with all of the Building and Public Works inspectors and their managers to go over the inspection forms and discuss stormwater quality inspections in general. The training session was very informative and helped to make sure that all of the inspectors were consistently looking at the same issues in the field and completing the inspection forms correctly.**

[57] 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.
[58] 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.
[59] 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 | |
|---|---|---|---|---|
| 2016 Construction and SWPPP Refresher Training (Joint training with staff from Fairfield, Suisun, Vallejo, FSSD, and VSFCD). Also in attendance was RWQCB staff. | March 10, 2016 | Allowable discharges to the storm drain, MRP vs. CGP, site inspection frequencies, erosion control measures, run-on and runoff controls, good site management, and levels of enforcement associated with polluting activities. | 20 total | |

## 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:

**Please see BASMAA's separate report summarizing regional activities entitled: Regional Supplement for Training and Outreach.**

**In addition to participating in local events the Program has also participated in the 95.3 KUIC Hometown Green Environmental Campaign. Program members on a regular basis have recorded segments which are played daily on KUIC and focus on environmental messages. Messages include: the connectedness of our streets to our local creeks; recycling mercury containing products; trash and litter; proper car washing; recycling; and the reduction of waste by reusing items.**

**In addition the program has also participated in an array of local school education programs, public outreach activities, public involvement activities, trash and pesticide reduction actions. Please see below and report attachments for further explanations.**

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

**The Program promoted its Point of Contacts through the distribution of outreach materials: *You Are the Solution to Water Pollution / Creek and Marsh Watch.* This catchy trifold piece provides contact information to report illegal discharges and spills. These materials are given out at nearly every public event that the Program participates in. Contact information is also provided on each of the cities websites.**

| | |
|---|---|
| Local stormwater phone number(s) | **707-428-7485 (Department of Public Works Engineering)** |
| Local/Regional stormwater website(s) | **http://www.fairfield.ca.gov/gov/depts/pw/storm_water_quality.asp (Fairfield)**<br>**http://www.fssd.com/stormwater-management/ (FSSD)** |

Outreach:

**The City of Fairfield has a website that contains information relative to stormwater quality and the stormwater Program (See first link shown above). The Fairfield-Suisun Sewer District, acting as the management agency for the Fairfield-Suisun Urban Runoff Program provides the links on its website to the permitee's stormwater locations (See second link shown above).**

## C.7.d ▶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., Enviroscape 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:<br>• Success at reaching a broad spectrum of the community<br>• Number of participants compared to previous years<br>• Post-event effectiveness assessment/evaluation results<br>• Quantity/volume of materials cleaned up, and comparisons to previous efforts |
| Coast and Creek Cleanup; September 19, 2015; 16 cleanup sites throughout Fairfield and Suisun City; this is a Program event that is also world-wide | The Program lead volunteer cleanup of local creeks, marsh and open space areas. | A record 692 volunteers (12% increase over last year) picked up 9,102 pounds of trash along 28 miles of waterway at 16 sites. This was a very successful event. See attached summary attached to the end of this section. |
| Home Depot Events; June 27, 2016 and June 29, 2016; 2121 Cadenasso Dr. Fairfield, CA; this is a Program event. Store visits were also made by the Program Advocate on 7/31, 9/19, 10/14, 12/15, 1/18, 2/15, 3/9, 4/20, 5/3, 5/19 and 6/22 | IPM Consultant Annie Joseph and IPM advocate Theresa Travers provided IPM training for Home Depot customers on safe gardening practices at the local Home Depot store. | Discussions were held with many Home Depot customers regarding alternatives to toxic pesticides. Customers were very engaged.<br>See attached OWOW and BASMAA's Regional Supplement for Training and Outreach. There was a 20% increase in less toxic product shelf space over the prior year. Also attached are pre and post training surveys for Home Depot Employee trainings. |
| Fairfield- Suisun Farmers Market; Thursdays from May 3 through October 4; the event is held in downtown Fairfield at the intersection of W. Texas St. and Jefferson Street; this is a Program event. | Program members contract with Valcore Recycling to attend the weekly Farmers Market and man the Recycling and Environmental booth. Messages include the connectedness of our streets to our local creeks; less toxic alternatives to pesticides and only clean stormwater should flow to the storm drain system. The booth features info about reporting illegal discharges and free grease scrapers to avoid sanitary sewer overflows. | Starting in May and ending October an average of 16 visitors per week that stop and engage at the Fairfield Recycles and stormwater booth. Crewmembers also quiz guests and give out prizes went questions are answered correctly. Attendance has remained constant over the past few years at this booth. |

| | | |
|---|---|---|
| Earth Day - April 23, 2016; Fairfield Civic Center This is a Program event. | The Program shared information with approximately 300 people of all ages and nationalities in attendance at the event. Quilt squares were drawn and decorated by those who stopped by the booth. | Our booth gave away reusable bags, brochures, trash pickers and plate scrapers. Booth stayed busy throughout the event and the children receiving the scrapers were engaging while receiving our message. |
| Earth Day Cleanup of local creeks- April 23, 2016; Ledgewood Creek at Highway 80 behind Home Depot, Lower Union Avenue Creek and Suisun Marsh Cleanup along Grizzley Island Trail in Suisun City. This is a Program event. | The Program led these cleanups of our local waterways with approximately 63 people of all ages participating. | 63 volunteers (a 75% increase over the previous year) picked up 2,082 pounds of trash along 3 miles of waterway. This was a new and very successful event. |
| Solano County Master Gardener Training; February , 2016; 501 Texas Street, Fairfield, CA; this is a Program activity. | IPM Consultant Annie Joseph and Program Manager, provided IPM training for Solano County Master Gardeners, who in turn instruct the general public on safe gardening practices at local farmers' markets and events throughout the county. Also described was the connectivity of the streets to our local creeks; the difference between stormwater and wastewater; the wastewater treatment process; how pesticides can impact the process. | 35 including 13 new Master Gardeners were in attendance, based on the interaction between the presenters and speakers, the audience was highly engaged. These Master Gardeners will carry this message to tablings they do at libraries, and the local Farmers Markets in the area. Many of the Master Gardeners have their own gardening businesses so these messages will go also into the communities they service with their business and as volunteers in the communities. This was a new and very successful event, again. |
| Solano Community College Earth Day - April 19, 2019; The Program participated in this event located at Solano Community College. The event included earth friendly vendors. This is a Program event. | The Program shared information with participants of all ages and nationalities in attendance at the festival. | About 100 people (decrease of 33%) of all ages visited our booth, including college students interested in: careers in environmental fields; and our environmental messages regarding the difference between waste and storm waters. Students generally had a good understanding of the difference between storm water and wastewater. This was a moderately successful evet with attendance decreasing from previous years. |
| Community Service Days; on the last Saturday of every month (weather permitting); this is a local event in Fairfield | These are volunteer events that involve picking up litter in various locations throughout the city of Fairfield. | Numbers were not kept, only approximations. Throughout the year, at five different locations throughout the city, there were over 100 people that participated and collected over 240 yards of trash throughout the streets of Fairfield. This is through the Matt Garcia Foundation. |

## 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:

**The Program conducts an array of activities which qualify for watershed stewardship collaborative efforts. These efforts are also mentioned in other portions of this Annual Report. Efforts directed toward Coast and Creek Cleanup result in watershed stewardship collaboration. Presentations were made to schools and clubs in the Fairfield Suisun Unified School District which resulted in an increased number of participants in our creek cleanup events. Creek Captains meetings are also used to encourage public involvement in watershed volunteer efforts.**

## C.7.h. ▶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:<br>Name<br>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. |
| School Water Education Program (SWEP); this Program is available for Kindergarten through 12th grade, and is a Program element. | SWEP provides free water education resources to teach water awareness and conservation to students, teachers and parents in our service areas of Dixon, Vacaville, Fairfield, Suisun City and Travis Air Force Base. The in-class education Programs as well as the resource materials and assembly Programs are multi-discipline and aligned to the content standards for California public schools. The Programs encourage students and adults to develop a healthy attitude of personal responsibility towards our environment and develop skills needed to contribute meaningfully to decision-making process on issues involving our resources and particularly conserving our most precious resource, water. | 10,667 K-12 students were reached throughout the Cities of Fairfield and Suisun City. | See attached final report from Program contractor. |

| | | | |
|---|---|---|---|
| The Watershed Explorers Program; Solano County third-graders. This is a Program element. | This Program is held at Rockville Hills Park, Hanns Park and Lagoon Lake Park. The Program utilizes science and placed base learning to build awareness and understanding of local creeks and watersheds, their unique ecosystems and ways in which we care for them. In the field discussions and activities teach children about the fragile habitats of birds and other wildlife. Students learn the importance of water quality in a watershed and discover that can be negatively impacted by urban runoff and its complements: trash, oil, household chemicals and other human and domestic animal waste and discards. Please go to : http://www.solanorcd.org/ for videos of the Program. | A total of 19 classes, with 541 students, and 143 chaperones; five schools comprising 21 classes and 665 students with 224 adults coming from the Fairfield Suisun Unified School District Area. | See attached final report from Program contractor. |
| Suisun Marsh Watershed and Wetland Education Program; the classes available to middle schools throughout Solano County. | The Program provides place-based environmental education for underserved middle school students in Solano County. The central Program themes include: watersheds, wetlands, marsh functions, native and non-native plants, storm runoff, endangered and threatened species, and watershed connections between their residential communities, Suisun marsh, the San Francisco Bay, and the Pacific Ocean. | 13 classes of approximately 431 students from schools throughout Fairfield and Suisun City participated in the Program. | See attached Suisun Marsh Watershed and Wetland Education Program 2015 Year End Report |

# 2015 California Coastal Cleanup Day

*CCD Coordinator Report Form*

People, Pounds & Miles

**County: Solano County** **Organization: FSSD**

## Cleanup Information

| Site Name | Coastal or Inland | Site Captain | Phone/E-mail Address | # of People | Weight of Trash Collected | Weight of Recyclables Collected | Distance Cleaned | # of Sites | Zero Waste Sites | # of ppl w/ reusables | # of vessels | # of Bags | Unusual Finds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fairfield/Suisun City** | | | | | | | | | | | | | |
| Ledgewood Creek | Inland | Sandra Gonzalez | sgonzalez@ci.fairfield.ca.us | 25 | 120 | 1 | 3.00 | 1 | 1 | 20 | 0 | 25 | lawn mower |
| SuisunBoat Ramp/Peytonia Preserve | Coastal | Connie Gordon | Constance.Gordon@anheuser-busch.com | 57 | 450 | 50 | 1.25 | 1 | 0 | 21 | 0 | 45 | sleeping bag |
| Belden's Landing | Coastal | Gregg Walter Goodman | ggoodman@att.net | 21 | 132 | 40 | 2.25 | 1 | 0 | 15 | 0 | 15 | foam |
| Upper Laurel Creek | Inland | Ariana Ponce | ArianaPonce10@yahoo.com | 89 | 100 | 200 | 1.25 | 1 | 0 | 15 | 0 | 30 | scooter |
| Mid Laurel Creek | Inland | Layne Ryan | Layneryana@yahoo.com | 73 | 400 | 2 | 2.00 | 1 | 0 | 30 | 0 | 27 | car bumper |
| Lower Laurel Creek | Inland | Nicholas Santos | DavidAv@fsusd.org | 61 | 500 | 200 | 1.25 | 1 | o | 20 | 0 | 25 | Rollerskate |
| Hill Slough/Rush Ranch | Coastal | Ken Poerner | ken@solanolandtrust.org | 30 | 3000 | 200 | 1.50 | 1 | 0 | 1 | 0 | 33 | Engine with transmission |
| American Canyon Creek (Silverado Dr. off Oakwood) | Inland | Robyn Morris | Morris20102020@hotmail.com | 30 | 75 | 100 | 2.00 | 1 | 0 | 30 | 0 | 35 | fake $1000 bill |
| Dan Wilson Creek | Inland | Meg Herston | Mherston@fssd.com | 52 | 200 | 50 | 2.00 | 1 | 0 | 25 | 0 | 60 | car parts |
| Serpas | Inland | Teri Luchini | tluchini@ci.fairfield.ca.us | 10 | 45 | 60 | 1.20 | 1 | 0 | 6 | 0 | 14 | hub cap |
| Union Avenue | Inland | Ben from City Hope | Jandreau5@Comcast.net | 47 | 1000 | 200 | 1.50 | 1 | 0 | 15 | 0 | 50 | Bike Frame |
| Lower Union Ave | Inland | Adrian Antoo | Aantoo@fssd.com | 21 | 130 | 50 | 0.50 | 1 | 0 | 10 | 0 | 32 | cushion from couch |
| Upper Dan Wilson | Inland | Ken Williams | Kwilliams@Solano.edu | 83 | 400 | 20 | 2.50 | 1 | 0 | 10 | 0 | 60 | car bumper |
| Mic Coy Creek | Inland | Nellie | Ndimalanta@fssd.com | 45 | 300 | 20 | 2.00 | 1 | 0 | 20 | 0 | 32 | no pollution sign |
| Grizzly Island Trail | coastal | Amanda Dam | adum@suisun.com | 8 | 50 | 0 | 1.25 | 1 | 0 | 20 | 0 | 5 | hub cap |
| Lower Ledgewood Creek | Inland | Justen Nunes | JNunes@EParkway.com | 40 | 2200 | 600 | 2.00 | 1 | 0 | 30 | 1 | 50 | washing machine drum |
| **TOTALS** | | | | **692** | **9102** | **1793** | **27.5** | **16** | **1** | **288** | **1** | **538** | |

**Fairfield Suisun Sewer District OWOW Report 2015/2016**
**July 2015 through June 2016**

**August 11, 2016**

**Annie Joseph**
**Ann Joseph Consulting**

**Home Depot information on less toxic products and shelf space 2016**

- **Increase in shelf space for less toxic products in their pesticide aisle 20% over last year.**
- **Increase in sales of the Scott's Miracle Gro line of Nature's Care Pesticides in Home Depot in Northern California average between 30-92% over last year's sales.**

**Store visits: Teresa Lavell IPM Advocate covered the store visits and several outreach events. Annie Joseph helped cover the Water wise event on March 19th and helped in the store training on June 27th. Store visits by Advocate Teresa Lavell were on the following dates: 7/31,9/15,10/14,12/15,1/18,2/15,3/09,4/20,5/03,5/19,6/22.**

**During the store visits Teresa helped customers in the aisles and guided them to less toxic solutions. She updated shelf talkers and fact sheets and made sure the garden Associates were kept up to date on invasive pests, plants that attract beneficial insects, how their less toxic products work, and a heads up on seasonal pests for the coming month. She also shared the quarterly UCIPM Retail News Letter with the store Associates.**

**Solano County Master Gardener Outreach**: Annie trained the new class of Master Gardeners on Water Quality and Pesticides on **February 18, 2016 at the local Master Gardener office on Texas Street.** There were **13** new class members and she concentrated on the runoff from pyrethroid pesticides and the residues that can end up in wastewater in addition to Suisun Marsh. She also discussed proper disposal of pesticides and how less toxic products work.

**Kevin Cullen** joined up and was able to meet the class and talk about the vulnerability of the Suisun Marsh to pesticide runoff from home gardeners and answered questions from the audience.
Annie and IPM Advocate Teresa Lavell also helped train the Master Gardeners in sustainable landscaping practices and integrated pest management that align with the Bay Friendly Landscaping practices.
These Master Gardeners will carry this message to their customers that they garden for in addition to their volunteer work tabling events they do at libraries, local Farmers Markets in the communities they serve, and community events. Photos sent

**Home Depot: Training June 27th and June 29th**

Annie and Teresa conducted a training and tabling on June 27th.
They were able to train 8 Associates and Teresa came back on Thursday the 29th and Trained an additional 2 Associates. Pre and post surveys were taken and results are in a separate attachment.
Associates were trained in the aisle near the pesticides. They were able to gather two merchandize team members who help stock the pesticide aisles in addition to eight store Associates making our total of **10 trainees.**
The Associates learned about storm water, wastewater, hhw, and IPM.
Each also received a folder of resources such as a monthly pest calendar, how their less toxic products work, invasive pests like the Asian citrus psyllid, brown marmorated stink bug, an updated Home Depot Pocket/Product Guide for 2016, a list of all their less toxic products by pest and active ingredient, how to read a pesticide label, what beneficial insects they offer online, how to lose your lawn the Bay Friendly Way, Ten Most Wanted Bugs for Your Garden, native plants that attract the good bugs, local HHW disposal information, and a good bug bad bug chart.
They also received information about the Solano County Mosquito Abatement District and the services they provide for residents.
**Photos sent**

***Annie had flier made for Home Depot to raise Associates awareness of the beneficial insects they have available for customers to order online. Separate attachment sent to Kevin.**

**Store update activities**
To follow up in between her visits Teresa spent time outside of the store researching many pest questions from Associates and customers. She got back to them in a timely fashion with thorough answers.
She was viewed by the Home Depot Associates as a tremendous resource for pest information. She is doing an outstanding job.

***Mosquito Abatement – Annie and Debi Tidd created new hand out for stores.**
In early June Annie contacted **Solano County Mosquito Abatement District** to touch bases about services provided by their agency. She was very concerned because of the ZIKA virus outbreak overseas and the customer panic around the potential outbreak here. Her goal was to make a flier for the stores to have on hand. When Annie contacted the district later in the month to get an update on Zika, she spoke again with Richard Snyder the District Manager. He was interested in the one page flier that she created that shows the services offered by the district so customers will utilize their services. Anne e-mailed him the flier and is making sure she and he stay in touch. Annie sent flier in **separate attachment** to Kevin Cullen.

***New partner store:** Suisun Ace Hardware **6/23/16**
Annie visited the store and they wanted her to come back the next day to meet the new store manager and owner. Annie went back on the 24th and met Richard the new store manager and they are interested in having training and setting up their store for OWOW. Annie took photos of their shelves to make tags and scheduled to come back for set up on July 1st. Training date set for later in July so they can schedule a training after hours for employees. This will be a great partner store.

**Events:**
**Annie conducted an outreach event at Home Depot. On March 19th for a Home Depot Waterwise Event.**
She contacted **35 customers**. This was an event sponsored by Home Depot to partner in the community to reduce water use outdoors. Annie was contacted by Home Depot corporate to have OWOW participate in the event. Agencies attending the event included Solano County Water Agency, Solano RCD, Republic Services, and Master Gardeners. Also attending were vendors from Scott's Miracle Grow Company, Kellogg's Garden Supply,

Altman Plants, and Hines Nurseries. It was a great opportunity to show the vendors how OWOW partners to showcase their eco-friendly products. The area for the event was outside in the parking lot out in front of the store. The event was fairly slow because of the cold weather but Annie was able to meet with the store manager Kevin and with the District Manager Tim Gudas. They were very grateful for our participation.

Annie's display included the fact sheets, less toxic products, a large Good Bug poster to help customers to see the good bugs that are helpers in the garden, plants that are waterwise and attract beneficial insects, OWOW handouts on Ten Tips for Water wise Gardening and Protecting Landscapes during a Drought.

When the event was over Annie went into the store to return products from her display and helped customers in the aisles for another hour and a half.

**Questions covered were:**

- Ants inside –talked caulking and bait stations, ant fact sheet
- Rats and Mice- exclusion and trapping, fact sheet rats and mice
- Aphids on roses- talked about hosing off with water, using organic fertilizers. Gave aphid fact sheet
- Scale on fruit trees – talked about dormant spraying, keeping ants from protecting scale.
- Mosquitoes- repair screens, remove standing water, put screens on rain barrels, clean roof gutters of debris, use mosquito dunks. Gave mosquito fact sheet
- Cockroaches indoors- repair leaking pipes, caulking, clean up kitchen areas, use bait stations, boric acid powder, discouraged fogging with pyrethroids, gave cockroach fact sheets.
- Fertilizing questions – talked advantages of using organic fertilizers vs synthetic.

  **Photo of event sent.**

**On June 26th at Home Depot** Teresa set up the table in the pesticide aisle. Teresa helped customers with questions below:

- Fertilizers organic and slow release(benefits of these)
- Whiteflies –she talked cultural practices and different products such as soaps and oils

- Cockroach questions – talked traps, baits, diatomaceous earth, cockroach fact sheet
- Caterpillars- talked about bt
- Silverfish- talked boric acid , diatomaceous earth, roach tablets
- Spiders – talked about the beneficial side, spider fact sheet
- Questions about OWOW resources
- Unidentified critter eating vegetables, she encouraged them to get proper identification and gave them the UCIPM bookmark.
- Aphid infestations on roses- talked about decreasing their habit of weekly fertilizing with synthetic fertilizers, encouraged them to hose off aphids, use insecticidal soaps and oils, use organic fertilizers. Aphid fact sheets
- Aphids on plum trees- talked about dormant spraying in fall and winter next year, control ants by using bait stations, Aphid fact sheet.
- Teresa reached 20 customers that day.

**Outreach to the landscape community.**

**In January Annie contacted the Master Gardener Coordinator Jennifer Baumbach and asked if she would pass on the information to the Master Gardeners for a training class for:**
**Bay Friendly Training and Qualification for Design of Sustainable Landscapes**

**To be held at Napa Valley College**

**Wednesdays March 9TH to March 30, 2016.**

**The training was sponsored by the City of Napa, County of Napa, Napa RCD, Solano Water Agency, and Napa County Storm Water Pollution Prevention Program.**

**Many of the Master Gardeners also have gardening design and maintenance businesses in addition to their volunteer activities. They were trained in sustainable gardening practices in our training on February 18th which was a good introduction to the Bay Friendly Gardening Course offered in March.**

## Summary of Pre-Training Surveys

A total of __10_ Pre-Training surveys were returned.
Here are the results of those surveys

| Survey Question | Yes | No | I Don't Know |
|---|---|---|---|
| When water enters a storm drain, does it go to a treatment plant before it reaches a creek? | **10%** | **80%** | **10%** |
| When water enters a sanitary sewer from a house drain like your sink or toilet, are pesticides removed at the sewage treatment plant before the treated water reaches a creek or Bay? | **20%** | **70%** | **10%** |
| Do you think it's more effective to treat an ant infestation with a bait station rather than a spray? | **70%** | **10%** | **20%** |
| **Do you know where** Where is your local household hazardous waste collection facility located | **60%** (Street address and/or City) | | **40%** |

Check all that are methods that are used in Integrated Pest Management (IPM)

- **a.** Use of beneficial insects and bacterial based products to control pests. **60%**
- **b.** Forbidding the use of pesticides. **30%**
- **c.** Not over or under watering plants. **70%**
- **d.** Use of traps or barriers to control pests. **100%**

What is the solution to control fleas that is safest for pets and best for the creeks, bays, and ocean?

a. Use room foggers, closing off areas where pets eat.
b. Use sprays outdoors and/or indoors
**c.** Wash pet with warm soapy water, use flea comb, wash bedding in hot soapy water, vacuum carpets. **90%**
**d.** Spot on flea treatments applied to the pet's skin. **20%**

Of the following, which is the least toxic (IPM) method of controlling aphids?

a. Apply fast acting fertilizers.
**b.** Spray insecticidal soaps and/or prevent ants from vegetation with tanglefoot or bait stations. **70%**
**c.** Prune plants vigorously. **10%**
**d.** Use products with pyrethroids. **20%**

**Summary of End of Training Evaluation Forms**

A total of __**10**_ final evaluations were returned.
Here are the results of those surveys

| Survey Question | Yes | No | I Don't Know |
|---|---|---|---|
| When water enters a storm drain, does it go to a treatment plant before it reaches a creek? | | **100%** | |
| When water enters a sanitary sewer from a house drain like your sink or toilet, are pesticides removed at the sewage treatment plant before the treated water reaches a creek or Bay? | | **100%** | |
| Do you think it's more effective to treat an ant infestation with a bait station rather than a spray? | **100%** | | |
| Do you know<br>Where is your local household hazardous waste collection facility located? | **100%** | | |
| Where is your local household hazardous waste collection facility located | **100% yes know**<br>(Street address and/or City) | | |

Check all that are methods that are used in Integrated Pest Management (IPM)

a. Use of beneficial insects and bacterial based products to control pests. **100%**
**b.** Forbidding the use of pesticides. **10%**
**c.** Not over or under watering plants. **100%**
d. Use of traps or barriers to control pests. **100%**

What is the solution to control fleas that is safest for pets and best for the creeks, bays, and ocean?

a. Use room foggers, closing off areas where pets eat.
b. Use sprays outdoors and/or indoors
**c.** Wash pet with warm soapy water, use flea comb, wash bedding in hot soapy water, vacuum carpets. **100%**
d. Spot on flea treatments applied to the pet's skin.

Of the following, which is the least toxic (IPM) method of controlling aphids?

a. Apply fast acting fertilizers.
**b.** Spray insecticidal soaps and/or prevent ants from vegetation with tanglefoot or bait stations. **100%**
c. Prune plants vigorously.
d. Use products with pyrethroids.

| Training Evaluation Questions | Disagree | Neutral | Agree |
|---|---|---|---|
| I learned at least one less-toxic management method today. | **10%** | | **90%** |
| The training will help me recommend and/or sell less-toxic products. | | | **100%** |
| I can comfortably share what I learned with customers and/or co-workers. | | | **100%** |
| I can easily use the Our Water Our World shelf-tags and fact sheets to inform customers about less-toxic pest management. | | | **100%** |
| | Too much info | Just right | Not enough info |
| Printed resource materials from this training were.... | | **100%** | |

| Please use the back side of this survey and evaluation for additional comments or explanation. | |
|---|---|
| What part of the Training was most helpful? | **All info ,**<br>**Product info,**<br>**Learning about product ,**<br>**Learning that wastewater treatment does not take out pesticides,**<br>**Explanations of which treatments are safe to use,**<br>**Dog flea info ,**<br>**New product info about the Ortho products that are good for the environment,**<br>**Reviewing,**<br>**Learning about organic pesticides** |
| What part of the Training could be improved? | **More detailed product information,**<br>**More time needed,**<br>**Perfect nothing more needed ,**<br>**No improvements needed – 3,**<br>**N/A** |

# School Water Education Program

## *2015-2016 Program Report*

July 2016

## *Program Funding*

Cities of Vacaville, Fairfield, Suisun, Vallejo, Benicia, Fairfield-Suisun Sewer District, and Solano Irrigation District

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**School Water Education Program (SWEP)**

The School Water Education Program Committee is in its 1st year contracting the Solano Resource Conservation District (SRCD) to implement the School Water Education Program (SWEP). This program is supported by cities of Vacaville, Fairfield, Suisun, Benicia, Fairfield-Suisun Sewer District, and Solano Irrigation District.

The curriculum for this program was created by Solano RCD using their own material and resources developed from previous SWEP program coordinators. The curriculum was written in September 2016, and has been revised throughout the year to adaptively manage content to better fit with student style, readiness and funder objectives. The SWEP program includes a basic lesson about Solano County water that can be adapted for kids K-12, a 'Test Your Tap' lesson and lab, Project Water Education for Teachers (W.E.T.), and various booklets and incentives that are distributed to Solano County Teachers. SWEP also participated in Youth Ag Day, an annual festival held for Solano County 3rd graders at the County Fair Grounds in Vallejo.

Marianne Butler manages the program, Laura Morgan is the program coordinator and teaches the majority of in-class lessons, Carla Murphy assists with teaching the in-class lessons, and Jill Buldoc and Wendy Low facilitate the Project W.E.T training. This program is available to K-12 students and teachers on a year round basis.

**SWEP Winter/Spring 2016 (January-June 2016) Program Summary**

The SWEP program consists of an introductory *Solano County Water* lesson presented in-class by SWEP staff, a two-day "Test Your Tap" lesson on water quality presented in-class by SWEP staff, and a Project W.E.T. teacher training workshop.

The *Solano County Water* lesson teaches K-12 students about water awareness for those living in Solano County. Subjects covered include where student drinking water comes from, storm water pollution in their watershed, and water conservation. From January-June 2016, 3,119 students participated in the SWEP Solano County Water lesson and 827 units of materials were distributed.

*Test Your Tap* is a two-day, in-class lesson geared toward students in grade levels 6-12. The first lesson compares student city water quality vs. bottled water quality. It also looks at the environmental impacts of bottled water. The second lesson is a water quality lab. Students bring in water from various tap and bottled water sources, comparing the quality of both. The goal of this lesson is to teach students where their water comes from as well promote the use of tap water in Solano County. In spring 2016, 356 students participated in the Test Your Tap lesson and lab.

Tables 1 and 2 summarize the student participation and material breakdown per city for both the *Solano County Water* and *Test Your Tap* lessons.

**Table 1.** Solano County student participation by city and grade during spring 2016. Lessons include *Solano County Water* lesson and *Test Your Tap*

| January-June 2016 SWEP Lessons | | | | | |
|---|---|---|---|---|---|
| City | Students K-6 | No. of Classes K-6 | Students 7-12 | No. of Classes 7-12 | **Total Lessons** |
| Vacaville | 682 | 22 | 0 | 0 | **22** |
| Benicia | 354 | 12 | 114 | 4 | **16** |
| Suisun City | 196 | 7 | 0 | 0 | **7** |
| Fairfield | 549 | 20 | 388 | 14 | **34** |
| Vallejo | 810 | 29 | 0 | 0 | **29** |
| Dixon | 310 | 12 | 0 | 0 | **12** |
| Rio Vista | 72 | 3 | 0 | 0 | **3** |
| Tot. County | **2973** | **105** | **502** | **18** | **123** |

**Table 2.** Summary of SWEP materials distributed throughout Solano County in spring 2016

| January-June 2016 Materials | | | | | | | |
|---|---|---|---|---|---|---|---|
| City | Water Conserv. Challenge. | SCWA Video. Post/Flier | TYT Worksheet | TYT Test Tabs | Inventory | Fliers for SWEP/Project WET Outreach | **Total Materials** |
| Vacaville | | | | | | | **0** |
| Benicia | | | 159 | 180 | | | **339** |
| Suisun City | | | | | | | **0** |
| Fairfield | 276 | 10 | 20 | 36 | 114 | | **456** |
| Vallejo | 30 | | | | | 2 | **32** |
| Dixon | | | | | | | **0** |
| Rio Vista | | | | | | | **0** |
| Total | **306** | **10** | **179** | **216** | **114** | **2** | **827** |

Project W.E.T. is a teacher training that provides teachers the resources needed to teach about water related subjects in their classroom. Project W.E.T. was held on February 27th, 2016 with 21 teacher attendees. Table 3 summarizes the number of teachers who attended the training by city; Table 4 provides a breakdown of the types of materials distributed. Materials distributed were not were not recorded by city this year, but we will alter our record keeping to account for this information beginning with the 2016-2017 school year.

**Table 3.** Summary of Project WET teacher participants by city and age

| Project W.E.T Participants | | |
|---|---|---|
| City | Participants K-6 | Participants 7-12 |
| Vacaville | | 1 |
| Benicia | | |
| Suisun City | 1 | 1 |
| Fairfield | 5 | 4 |
| Vallejo | 4 | 3 |
| Dixon | 2 | 1 |
| Rio Vista | | |

**Table 4.** Summary of Project WET distributed materials by type

| Project WET Materials 2016 | |
|---|---|
| Type of Material | # of Materials |
| Incentives | 695 |
| Curriculum | 10 |
| Work Books | 235 |
| **Total** | **940** |

SWEP attended the 14th Annual Youth Ag Day festival at the Solano County Fairgrounds in Vallejo on March 15th, 2016. 325 students attended the SWEP booth, and 1,595 materials were distributed to students, parents and teachers. Laura Morgan coordinated the incoming groups of students while Carla Murphy, Josie Murphy (volunteer) and Shelby Allreed (intern with the Solano County Water Agency) helped distribute materials and conduct enviroscape demonstrations for the students. Educators primarily focused on where student drinking water comes from, storm water pollution and water conservation. Figure 5 summarizes the student breakdown per city, and Figure 6 summarizes the materials distributed during the event. The materials given out were not recorded with notation of the recipients' city. That data will be recorded for future events.

**Table 5.** Student attendance at Youth Ag Day by city

| Youth Ag Day 2016 | |
|---|---|
| City | Students K-6 |
| Vacaville | 92 |
| Benicia | 5 |
| Suisun City | 30 |
| Fairfield | 99 |
| Vallejo | 95 |
| Dixon | 0 |
| Rio Vista | 4 |
| County | 325 |

**Table 6.** Summary of materials distributed during Youth Ag Day 2016

| Youth Ag Day Materials 2016 | |
|---|---|
| Type of Material | No. of Items |
| Incentives | 757 |
| SWEP Fliers | 200 |
| Water Conservation Challenge Sheets | 40 |
| Work Books | 598 |
| Total | 1595 |

During January-June 2016, 3,800 students participated in SWEP in-class room lessons, labs and festival booths. 3,362 items of water education materials were distributed to students, teachers, and parents during this time period.

**Full Year Summary (July 2015-June 2016)**

The 2015/2016 school year was the first year Solano RCD was contracted to facilitate SWEP implementation in Solano County Schools. All existing SWEP programs were reviewed and revised by Solano RCD to provide recipients with the most accessible and current information available.

Solano RCD designed the *Solano County Water* lesson with built-in adjustability to ensure applicability to every grade level. This lesson is the foundation for all SWEP programming. Students learn about where their water comes from, basic watershed science, storm water pollution causes and effects, and water conservation strategies and purpose. The *Solano County Water* lesson is now part of Solano RCD's Watershed Explorers program, serving as a "pre field trip" foundational lesson for the program. This new component provides teachers with an option to have their students participate in a water conservation challenge with their families, in which students record and track water usage as they learn the basics of water budgeting. Teachers are provided links to the Solano County Water video and the National Oceanic and Atmospheric Administration (NOAA) Trash Talk video to enrich students' experience and understanding of the water lesson and it's ramifications in their lives. As a result of this strategy, 3,857 students participated in the *Solano County Water* Lesson in the 2015/2016 school year.

Solano RCD also revised the *Test Your Tap* lecture and lab, aligning the information and presentation with science-based learning standards students in grades 6-12. This lesson begins with the environmental and health impacts of bottled water, providing students with science-based reasoning and environmental incentives to use water from their tap for drinking water. The lesson presents *The Story of Stuff: Bottled Water* video from the Story of Stuff Project and shares primary research done on the quantity and sourcing of bottled water brands. In the second session of this 2-part lesson, students complete a hands-on water lab, conducing six tests to measure water quality (including Iron, Copper, pH, Chlorine, Nitrate, and Phosphate) in tap and bottled water samples they have collected. Students receive and follow a lab protocol as they complete a lab worksheet to record results. Evaluation forms were not part of this program this year, but will be added to the program going forward to obtain documented teacher feedback for next year's SWEP annual meeting. 596 students participated in the *Test Your Tap* program and 635 pieces of lab related materials were distributed during the 2015/2016 school year.

The Project WET training program was also reviewed and revised by Solano RCD. The new program uses two Solano RCD educators, Jill Buldoc and Wendy Low, as facilitators and instructors for the all-day teacher training workshop. The event was held on February 27$^{th}$, 2016 at Solano Community College in Fairfield. 21 teachers attended the event and took home 941 units of materials.

Staff engaged Marc Garman of Lab Rat Pictures to create promotional videos for the SWEP program, created in July 2016. These videos advertise the SWEP *Test your Tab* lesson and Project WET training to Solano County teachers, students and parents, generating awareness of

and interest in the program. These videos are available on the SRCD website (www.solanorcd.org/SWEP).

During the 2015-2016 school year, 4,799 individuals participated in SWEP in-classroom lessons, labs, festival activities, and teacher trainings. 5,242 pieces of educational materials were distributed to students, teachers, and parents. Table 7 summarizes SWEP participants throughout the 2015-2016 year by city and program. Program staff met or exceeded all its classroom presentation goals in the 2015-2016 school year, depicted in Fig 1.

**Table 7.** Summary of participation in SWEP programs for the 2015-2016 school year, by city and individual SWEP program

| SWEP 2015-2016 Participation Summary | | | | | |
|---|---|---|---|---|---|
| City | *Solano County Water* Lesson | *Test Your Tap* | Project WET | Youth Ag Day | City Totals |
| Vacaville | 802 | 240 | 1 | 92 | 1135 |
| Benicia | 152 | 316 | | 5 | 473 |
| Suisun City | 196 | | 2 | 30 | 228 |
| Fairfield | 1059 | 40 | 9 | 99 | 1207 |
| Vallejo | 1231 | | 6 | 95 | 1332 |
| Dixon | 345 | | 3 | 0 | 348 |
| Rio Vista | 72 | | | 4 | 76 |
| Grand Total | 3857 | 596 | 21 | 325 | 4799 |

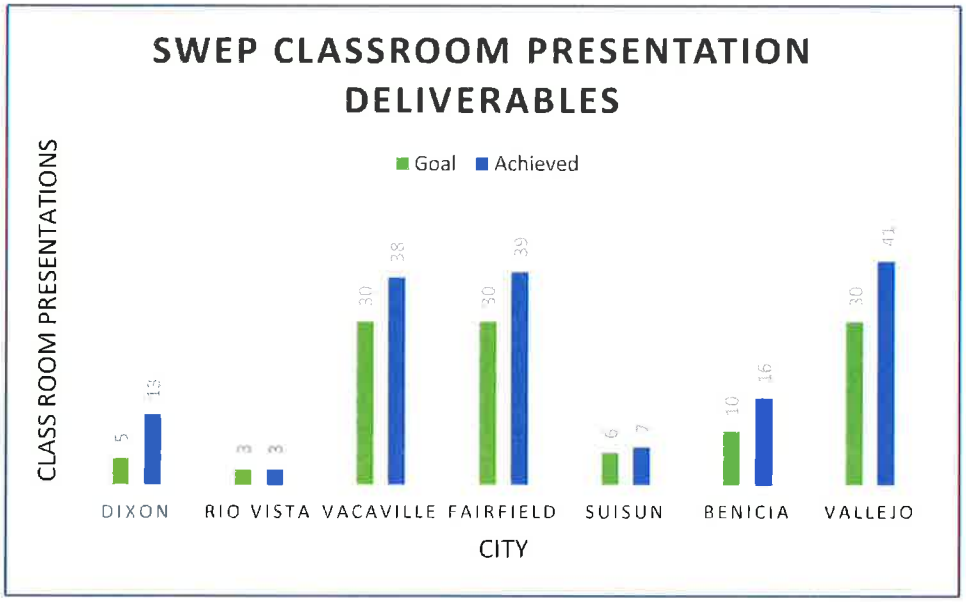


**Figure 1.** Comparison of the classroom presentation target goals set forth by the SWEP committee with actual achievements during the 2015-2016 school year

**2016/2017 Expectations**

In the next school year, SWEP staff will work towards exceeding participation goals in water related education activities throughout Solano County. Program review and refinement is ongoing. As part of this general strategy, SWEP will premiere a revised *Test Your Tap* lecture and lab focusing on 5th grade. Henderson Elementary in Benicia has already scheduled their 5th graders to pilot this lesson in August. After review and fine tuning, the *Test Your Tap* lesson will be offered to all Solano County 5th grade classes. SWEP staff are also working with the Benicia Middle School science program to implement a *Test Your Tap* component in all Benicia Middle 7th grade science classes.

In the 2016-2017 school year, Project W.E.T. training will be offered twice (in September 2016 and again in February 2017) to create greater opportunity for Solano County teacher participation.

During summer 2016, SWEP staff is working with Marc Garman of Lab Rat Pictures to create a new Solano County Water video with funding from the Solano County Water Agency (SCWA). The new video will cover all the basic components of SWEP programing, including where Solano County water comes from, watershed awareness and water conservation. The video will be available to Solano County students and teachers in winter 2017.

**Solano County Water Education Programs 2015-2016 Summary**

There are 9 organizations in Solano County that deliver water related education programs to K-12 students in the form of classroom presentations, field trips, assemblies, and water related contests. These organizations include: SWEP, Solano RCD, Putah Creek Council's Water Ways, Ranger Teri Luchini from Rockville Park in Fairfield, Solano Land Trust, private presenters ZunZun and Rock Steady, Sue Alfeld from the City of Benicia, and the Solano County Water Agency (SCWA). All organizations combined have outreached to 44,479 individuals and handed out 21,072 units of materials. Table 8 summarizes all of the water education programs conducted in Solano County during the 2015-2016 school year by city and type of outreach. Please refer to the data tracking excel document for a breakdown of program specifics.

**Table 8.** Summary of all water education programs operating in Solano County, by jurisdiction, number of attendees and number and type of activities

| City | Presentations | Field Trips | Assemblies | Total |
|---|---|---|---|---|
| Benicia | | | | |
| No. of Events | 88 | 31 | 4 | 123 |
| No. of Attendees | 2,656 | 1,053 | 1,004 | 4,713 |
| Dixon | | | | |
| No. of Events | 38 | 9 | 3 | 50 |
| No. of Attendees | 1,054 | 433 | 840 | 2,327 |
| Fairfield | | | | |
| No. of Events | 89 | 14 | 13 | 116 |
| No. of Attendees | 2,672 | 640 | 3,374 | 6,686 |
| Rio Vista | | | | |
| No. of Events | 13 | 5 | 3 | 21 |
| No. of Attendees | 455 | 170 | 455 | 1,080 |
| Suisun City | | | | |
| No. of Events | 23 | 11 | 8 | 42 |
| No. of Attendees | 953 | 383 | 2,582 | 3,981 |
| Vacaville | | | | |
| No. of Events | 81 | 23 | 26 | 130 |
| No. of Attendees | 2,223 | 1,093 | 8,161 | 11,477 |
| Vallejo | | | | |
| No. of Events | 133 | 51 | 32 | 216 |
| No. of Attendees | 3,815 | 2,483 | 7,854 | 14,152 |

**Photos from 2015-2016 SWEP Outreach**

Laura Morgan presents at Youth Ag Day at the Solano County Fairgrounds

Carla Murphy (Solano RCD educator) teaches a SWEP lesson at Laurel Creek Elementary School in Fairfield

21 teachers participate in Project W.E.T training at Solano Community College

Brian Brown, Statewide Project W.E.T coordinator, demonstrates an activity at the Project W.E.T training at Solano Community College

Laura Morgan teaches a SWEP lesson at the Fairfield Suisun Public Safety Academy

# Suisun Marsh

# Watershed Education Program

## *2015 Program Summary*

February 2016

***Program Funding***
Solano County Water Agency

*Additional Funding*
Benicia Sustainability Commission, Solano County Office of Resource Management, Fairfield-Suisun Sewer District & Habitat Conservation Fund

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Solano County Water Agency (SCWA) is in the eighth year contracting the Solano Resource Conservation District (Solano RCD) to implement the Suisun Marsh Watershed Education Program. Additional support provided by Benicia Sustainability Commission, Solano County Office of Resource Management and Fairfield-Suisun Sewer District.

Sections of the curriculum were adapted from the California Coastal Commission's Waves, Wetlands and Watersheds and Our Wetlands, Our World and the teaching objectives are directly linked to California's common core standards. The curriculum was written in August of 2008 and has been revised each year. It includes three pre–field trip classroom lessons, one poster session, a five-hour field trip at Rush Ranch and two post–field trip lessons. Funding through a CalRecycle grant in 2014 and 2015 will allow for the 2nd post lesson to wrap up the program.

Marianne Butler manages the program, Jamie Solomon and Laura Morgan teach the in-class lessons and lead the field trips, and program educators Don Broderson, Carla Murphy, Wendy Low, Deborah Bartens, Anna Kluge and Jill Bolduc assist on the field trips. The program is split into two sessions – Session 1 occurs from late August to mid-October and Session 2 from mid-October to mid-December.

**Students**

In 2008, 4 classes of 140 students participated from Crystal Middle School in Suisun City.

In 2009, 18 classes of 600 students participated from Crystal Middle in Suisun City, Grange Middle in Fairfield, Sullivan Middle in Fairfield, and Cambridge Elementary in the Travis Unified School District.

In 2010, 18 classes of 626 students participated from Crystal Middle in Suisun City and Grange Middle in Fairfield.

In 2011, 33 classes of 1,129 students participated from Crystal Middle in Suisun City, Grange and Sullivan Middle in Fairfield, Vaca Peña Middle and Orchard in Vacaville, Center Elementary in the Travis District, and Solano Middle in Vallejo.

In 2012, 27 classes of 882 students participated from Crystal Middle in Suisun City, Grange, Tolenas, and Suisun Valley in Fairfield, Vaca Peña Middle and Orchard in Vacaville.

In 2013, 27 classes of 869 students participated from Crystal Middle in Suisun City, Public Safety Academy, Matt Garcia, David Weir, Nelda Mundy, and Suisun Valley Elementary in Fairfield, Vaca Peña Middle and Orchard Elementary in Vacaville.

In 2014, 30 classes of 940 students participated from Crystal Middle in Suisun City, Public Safety Academy, Nelda Mundy, Rolling Hills Elementary, Grange Middle and B Gale Wilson in Fairfield, Vaca Peña Middle and Orchard Elementary in Vacaville.

| School | City | Grade | Total Students | Number of Classes |
|---|---|---|---|---|
| Crystal Middle | Suisun City | 6th | 187 | 6 |
| Vaca Peña Middle | Vacaville | 7th | 172 | 6 |
| Orchard Elementary | Vacaville | 6th | 62 | 2 |
| Public Safety Academy | Fairfield | 6th | 102 | 3 |
| Nelda Mundy Elementary | Fairfield | 5th | 142 | 4 |
| Benicia Middle | Benicia | 6th | 396 | 12 |
| Riverview Middle | Rio Vista | 6th | 81 | 3 |
| Gretchen Higgins Elementary | Dixon | 6th | 93 | 3 |
| Solano Middle | Vallejo | 6th | 64 | 2 |
| **2015 TOTAL** | | | **1,299** | **41** |

Figure 1 – Students totals

**Since 2008, 6,385 students in 198 classes have participated in this program.**

**Methods**

The program spans August – December. Session one takes place August-October. The second session takes place October- December. Early each session classroom sessions are held. Each class then participates in a poster session at their school followed by the all-day field trip to Rush Ranch Open Space. Field trips are followed with two classroom sessions where students solidify what they've learned and talk about the ramifications of human behaviors on marine and marsh health.

The student field manual is included with this report. Descriptions of the lessons are as follows:

The first lesson discusses California's drought and provides techniques where students can take action to help relieve the pressure on the watershed. The concept of a water conservation challenge is revealed and students are informed of their objective to begin working to save water. Prior to this lesson, students collect their baseline water usage data. From this discussion onward, students start a 3-day challenge of tracking their water use for each of the 3 weeks of program lessons. This data is then compared to their baseline data at the end of the challenge. The second part of the lesson addresses the characteristics of a watershed and demonstrates how storm water pollution affects our creeks, marsh, and ocean. An enviroscape model is presented to visually show students how litter and debris runs off the pavement, flows into the storm drain, to the nearest creek, enters the Suisun Marsh and eventually makes its way to the ocean.

In the second lesson, students review their water usage, discuss what worked well with their conservation practices, and strategize how to save a bit more for the next week. Then, students look at the geography of Solano County as it relates to the Suisun Marsh Watershed through various types of maps. Students travel around the classroom in small groups, visiting different mapping stations and work together in groups to answer questions about each map. Maps for this session include a local area road map, Solano County topographic map, Suisun Marsh watershed map, a nautical chart of Suisun Bay, and an aerial map stretching from Lake Berryessa to Suisun Bay.

The third lesson consists of several central concepts. The students start their final water conservation challenge week and continue the discussion on water saving methods. Following, a power point provides background on native and non-native plants and reveals the significance of plants and animals on the endangered, threatened, and species of concern lists that reside within the Suisun Marsh. Classes participate in a discussion on how human actions dictate whether a species is tipped over the edge to extinction, or brought back to increase in numbers for future generations. Following, students work together to create a wetland model, which demonstrates the buffering and filtering effects of the marsh. The lesson works to bring home the concept that the Suisun Marsh is part of the students' watershed, while demonstrating the important features of a marsh. Finally, this lesson provides instruction for the poster session. Students are broken into eight groups and assigned a species to research. The list of species included: Riparian Woodrat, Chinook Salmon, Soft Birds-beak, Giant Garter Snake, Delta Smelt, Salt Marsh Harvest Mouse, Suisun Thistle, and the California Ridgway's Rail. Each group is provided with a packet of information on their species.

The poster sessions are primarily held prior to each class's field trip. Students research their species and present their findings to the class.

The all-day outdoor excursions at Rush Ranch are held September - December. Each field trip begins with a rotation through three stations centered on the topics of soil, water, and plants. At the soil station, students use a color chart to identify soil composition and use their hands to experience the different textures of soil in the marsh and grassland. At the water station, students test the water from First Mallard Slough for dissolved oxygen, temperature, phosphate, pH, and turbidity. As a small group, they discuss the data from the experiments and theorize how various types of pollution may affect Suisun Marsh and other wetlands. At the plant station, students set up a plant sampling quadrat by using a hula-hoop to randomly select a site. Students analyze the percent cover of plant species (native or non-native) within

the site using plant guides created by Suisun RCD. Following the stations, students enjoy lunch at the picnic tables in the eucalyptus grove.

Next, students explore the Rush Ranch property by taking a nature walk through the different habitats, which include a eucalyptus grove, grassland, and marsh. While on the walk, students look for scat, tracks, plants, and wildlife. Each student is equipped with a pair of binoculars to look for birds and they have the opportunity to view barn owls. An olive tree outside of the barn provides evidence of owls as students observe owl pellets found on the ground by the tree's trunk.

Following the interpretive walk, students sit quietly on top of Overlook Hill and write poetry about their experiences and impressions of the wetland. Teachers submit the poems to River of Words. River of Words is a California-based non-profit organization that connects kids to the watersheds they live in through art and poetry. The organization runs an annual Art and Poetry Contest in conjunction with the Library of Congress. All program participants receive a Watershed Explorers Certificate. In 2010 a student from Grange Middle School was a finalist in the One Block Contest.

After the field trip teachers are asked to play "Our Synthetic Sea," which explains the harmful effects of marine debris, especially plastic, in an easy to understand scientific study by the Algalita Marine Research Foundation. The video prepares students for the final lesson on marine debris.

Lesson four discusses how birds and other marine life are affected by marine debris. A display box of an albatross bolus (consisting of squid beaks and plastic) is past around the class. We want students to feel within them that the land, the plants, and the animals are all part of the same system we are and that their survival and health is not only as important as ours, but that the two are linked. The lesson concludes with the results from the water challenge. Students learn how much water they saved as a class and receive a shower timer donated from SCWA to continue their conservation practices.

For the years 2014 and 2015, students take the post-assessment quiz during a 5$^{th}$ lesson. In 2014 Bilgee the Bilge Pad (Protector of Lake Berryessa) joined each class to request support to help keep storm drains clean and solicited student participation to create a new superhero suit and comic for Bilgee's partner, Petrolia (Used Oil Avenger). In 2015 Petrolia herself asked students to develop a second comic on stormwater runoff.

**Deliverables and Results**

All deliverables involved in initiating and completing the program were successfully completed. We have met the central program themes that include; watersheds, wetlands, marsh functions, native and non-native plants, storm run-off, endangered and threatened species, origin of Solano County drinking water, and watershed connections between their residential communities, the Suisun Marsh, the San Francisco Bay, and the Pacific Ocean.

We worked with Brandan Hiltman to schedule classes for a North Bay Regional Water Treatment Plant tour. Nearly half (13/30) of the classes took the tour and a quarter of classes participated in 2013.

**Water Conservation Challenge**

We piloted the water challenge component in the Suisun Marsh Program in 2014. The program was conceived as a 4-part, take-home exercise. As planned, Part 1 asked students to collect baseline household water usage data to find out how much water they typically use on any given day. Students were given a datasheet to take home and record usage data for 7 days. Following three supporting in-class lessons, students were asked to repeat the process each week, using their growing knowledge to alter in-home behaviors and practices with the goal of increasing the amount of water they were able to conserve as the challenge progressed.

At the end of the 4-week challenge, students were asked to take their average daily use from their baseline data, and compare it to their average daily use from week four. We received feedback from nearly all participating teachers that 7 days of recording during 4 separate weeks (including the baseline data) was way too much for students to manage and teachers to facilitate.

In response, we altered the challenge for the second session of classes in 2014. Based on feedback from participating teachers, we revised the challenge to a 3-day per week, 3-week-long challenge.

At the end of the two program sessions, we had full compliance from half of the teachers. The teachers who fully engaged with the program reported saving approximately 3,000 gallons of water in their classroom when subtracting the amount of water used in the 3rd week of the challenge from their baseline data. The winning teachers received a gift certificate for $50 for a student pizza party to celebrate their hard work.

We wanted full program compliance from all participants this year, fall of 2015. Before the start of the 2015-2016 school year, we revised the program again. For session one, we went to a 1-day per week, 4-week-long challenge. During week one, students collected their baseline data by observing water usage on one day. For the subsequent three weeks, students repeated this monitoring for just one day of each week. The baseline data and the date collected during the 4th week of the challenge were compared. Again, a handful of classes did not participate due to time constraints.

In the 2nd session of the program, we reduced the duration of the challenge once again and collected a *baseline water log* and only one *water log savings*. We hoped that with just two homework assignments instead of four, the exercise would divert less time away from each class and still transmit the important message of water conservation. We had nearly 100% teacher compliance rate with this challenge.

We planned our original challenge very carefully, and worked with various models of home water use auditing in the design. We believed and still believe that the original challenge, as conceived, was a meaningful activity that could lead to real understanding about the way we use water, and build a real sense of empowerment in students about what they and their families could do to be more effective stewards of our precious water resources. We believe there are many components to the challenges the exercise has faced:

1. Water conservation is not considered as important as other goals and objectives in the classroom or at home. We know teachers are under enormous pressure to meet state standards and school directives, and until this objective is as important, only a few will ever be willing/able to put the same kind of energy and time toward it.
2. We hoped the water conservation and drought outreach done by local water agencies and municipalities would have penetrated into the general consciousness enough that teachers and students would believe that personal action was both necessary and important. That hope wasn't met. Some teachers and some students did take the challenge as we'd intended, but they were a tiny minority.
3. The challenge necessarily required a high amount of self-reflection on the part of students, which needed to be fostered and supported by both their teachers and their families. In general, there was not the buy-in or the will in either group to generate the needed support for this exercise.

We continue to evaluate and refine the water conservation challenge to develop this exercise into something students and teachers can become excited about and take to heart. Unfortunately, this iteration of the challenge was not able to generate that excitement. The goal to inspire students to improve their water conservation habits for both themselves and their families remains. We hope that as teachers began to see even the incomplete data from this year's challenge, they will be more inspired to fully participate and inspire their students and students' families to do the same.

**Program Evaluation**

This program took place over an 18-week period during September through December, 2015. 41 classes from 9 schools in every city in the county participated in the program. Student participants were asked to take a five-question assessment quiz at the start of the program and again on the last day of the program. The post assessment asked students to answer three more questions, two of which asked for student responses to the "Water Conservation Challenge" each was asked to participate in, and one which asked students to explain their knowledge of personal waste reduction.

The pre- and post-assessments consisted of the same questions, listed below in italics. Directly below each question is a representative answer from the post-assessment.

1. *Name your watershed?*
   Each city's local watershed
2. *Where does your drinking water come from?*
   Water runs off the roads and paved surfaces, enters the storm drains, flows into creeks, into the Suisun Marsh and eventually drains into the Pacific Ocean.
3. *Where does storm (rain) water go after it hits the pavement?*
   Water runs off the roads and paved surfaces, enters the storm drains, flows into creeks, into the Suisun Marsh and eventually drains into the Pacific Ocean.
4. *What are the main threats to the Suisun Marsh?*
   Non-native invasive plants, development, and pollution (which includes pesticides, fertilizers, oil, litter, pet waste, etc.)
5. *Write down two ways you can help protect the Suisun Watershed.*
   * Throw litter into the garbage can and not on the ground
   * Clean up after your dog
   * Educate your friends and family on where litter goes
   * Fix your car if it's leaking oil and encourage your parents to recycle used oil
   * Attend California Coastal Cleanup

Additional Questions asked on the Post-Assessment instrument

6.a. *Was the Water Conservation Challenge hard?*
   Yes- I/my family use a lot of water and it was hard to track

6.b. *After the Suisun Marsh Program, how will you use water differently?*
   I/we'll use less water now

7. *Define each "R" in "Reduce, Reuse, Recycle". Give one example of how each R works.*
   Reduce means to use less. We don't use throwaway bags when we go to the store.
   Re-use means to use over and over again. We use cloth bags when we buy our groceries.
   Recycle means to turn something into something new. We recycle our aluminum cans to make new cans.

Student answers on the pre-assessment instruments in the 10% sample reflected low to very low knowledge about all the concepts examined in the quiz. Student ability to provide correct or partly correct answers to the 5 questions ranged from 7% to 63%. Students demonstrated the least knowledge about their watershed and the threats to the Suisun Marsh, with just 7% of students able to correctly identify their home watershed, the source of their drinking water or the main threats to the marsh. 32% percent of students could correctly tell us where rainwater goes after it hits the ground, and 32% could identify two ways to protect the Suisun Marsh.

When we looked at partially correct answers—those that identified at least some portion of the concept we were looking for—appropriate responses rose to 32 percent on the rainwater question and to 63% on

the protecting Suisun Marsh question. Overall, 30% of the sample provided correct or partially correct answers to the 5 pre-assessment questions. 70% percent of the sample provided incorrect or no answers to the pre-assessment quiz questions.

Student responses in the sample of post-assessment quizzes showed an average improvement of 60 percentage points when considering correct and partially correct answers.

- 96% percent of students in the sample were able to correctly or partially correctly name their watershed;
- 99% could identify major threats to the Suisun Marsh;
- 96% could identify two stewardship behaviors they could enact to protect the marsh;
- 97% understood the implications of stormwater runoff (improvement of 55 percentage points).

Students improved the least in their responses to the question about where their drinking water comes from. In the pre-assessment, 7% of the sample was able to provide a correct or partially correct answer to this question. In the post-assessment, that number rose to 60% of the sample. This is a marked contrast to student improvement in understanding this concept in year's past.

There were three additional questions asked of students in the post-assessment, intended to assess student response to a Water Conservation Challenge they were asked to complete. The challenge required that they record a baseline water usage log, learn some ways to personally conserve water, and then record a follow up water conservation log. The assessment instrument asked students if the Water Conservation Challenge was hard, and if they would make any personal changes as a result of participating in the challenge. 36% of respondents said the challenge was hard (28% because they normally use a lot of water, 5% because it was hard to record their water usage and 3% said it was hard but gave no reason) and 9% did not provide an answer. 56% of students said the challenge was not difficult (5% said they didn't try hard, 24% said they didn't use a lot of water to begin with, 21% said it was easy to reduce water usage and 6% said the challenge wasn't hard, but provided no explanation). 86% percent of students said they will use water differently as a result of the Water Conservation Challenge, 4% reported they will not change their personal water use, and 11% of the sample did not answer the question.

For the personal waste reduction question, 24% of the sample could correctly define the three Rs, and provide a good example of each. 44% could either define the three Rs or gave a good example, for a total of 67% of correct or partially correct answers.

This year, there were several notable changes to the demographics that supply our assessment sample. For the first time, our population included special needs students. Also for the first time, our assessment population included students who participated as third graders in Solano RCD's Watershed Explorers program. None of these populations was identified on the assessment instruments, so we cannot know if students representing any of these groups were represented in our 10% random sample, though it is probable that they were. We are considering ways to account for these populations in future assessments, with particular emphasis to track performance of the students who were exposed to the Watershed Explorers curriculum in the third grade.

In conclusion, students represented by the sample improved dramatically in their ability to answer every question, indicating an overall gain in understanding of the big concepts we are working with. The 10% sample improved in performance by 278%, an improvement of 60 percentage points and equating with the assignment of a failing grade to the assignment of an A- grade.

## *Apendix A – Quotes*

### Teacher Quote

"The kids were really engaged. A lot of them had never been exposed to what a watershed was. They get to actually go out and do some field experiments, like testing water temperature and understanding why temperature is important. They were excited about being able to leave the classroom, and it didn't take them long to figure out they were actually learning some stuff – that it wasn't just a get-out-of-class day." Bruce Vieira, a sixth-grade math and science teacher at Rio Vista's Riverview Middle School, who participated for the first time last fall.

### Student Quotes

"Thank you for teaching me about the Suisun Marsh. I really enjoyed this entire program. My favorite lesson would have to be that of the marine debris. Now I am making sure that I never accidently let my trash and wrappers fly out of my pockets. I don't want to hurt the cut animals in the pictures and videos EVER." Jarrett, Vaca Peña Middle School, Ms. Olson's class

"Thank you so much for teaching me about oil spills and what we can do to help it from getting in the river. I will do my best to help the river problems. At my house we do all the 3 R's." Lakenthia, Vaca Peña Middle School, Ms. Olson's class

"I learned to not take long showers and to not waste water." Krystianna, Vaca Peña Middle School, Ms. Olson's class

***Appendix B – Photo Documentation***

Program educator giving soil samples to students

Solano RCD education program staff

Students involved in the poetry writing on Overlook Hill

Ms. Robin Shishido-Baily's class (Benicia) who won the water challenge (all wearing program shirts)

Program educator explaining the significance of the RRR messaging

Many students celebrate the soil station by painting their faces with their soil sample

## 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? | X | 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[60]**

| Pesticide Category and Specific Pesticide Used | Amount[61] | | | | | |
|---|---|---|---|---|---|---|
| | FY 15-16 | FY 16-17 | FY 17-18 | FY 18-19 | FY 19-20 | FY 20-21 |
| **Organophosphates** | 0 | | | | | |
| **Product or Pesticide Type A** | 0 | | | | | |
| **Product or Pesticide Type B** | 0 | | | | | |
| **Pyrethroids** | 0 | | | | | |
| **Product or Pesticide Type X** | 0 | | | | | |
| **Product or Pesticide Type Y** | 0 | | | | | |
| **Carbamates** | 0 | | | | | |
| **Product or Pesticide Type X** | 0 | | | | | |
| **Product or Pesticide Type Y** | 0 | | | | | |
| **Fipronil** | 0 | | | | | |
| **Product or Pesticide Type X** | 0 | | | | | |
| **Product or Pesticide Type Y** | 0 | | | | | |
| **Indoxacarb** | Reporting | | | | | |

[60] Includes all municipal structural and landscape pesticide usage by employees and contractors.
[61] 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, esfenvalerate, lambdacyhalothrin, and permethrin.

| | | | | | | |
|---|---|---|---|---|---|---|
| | not required in FY 15-16 | | | | | |
| **Diuron** | Reporting not required in FY 15-16 | | | | | |
| **Diamides** | Reporting not required in FY 15-16 | | | | | |

IPM Tactics and Strategies used:

**1. Pesticides will only be used after careful consideration of non-chemical alternatives and then the least toxic chemicals that are effective shall be used.**
**2. Pest control contractors hired by the City of Fairfield are required to implement IPM to control pests.**

## 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. | **6** |
| Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year. | **6** |
| 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:

**Employee training is done locally at our facility.**

## 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 has three inspectors and one Supervisor to review all pesticides applied by contractors.**

## 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 | X | No |
|---|---|---|---|---|

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

**The City of Fairfield reports all pesticide usage to the County Agricultural Department on a monthly basis.**

| 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** | X | **No** |
|---|---|---|---|---|

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.

**NA**

## 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:

**No public outreach is performed at the City of Fairfield Corporation Yard. See the C.9 Pesticides Toxicity Control section of the Program's FY 15-16 Annual Report for information on point of purchase public outreach conducted county-wide and regionally.**

## 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:

**No public outreach is performed at the City of Fairfield Corporation Yard. See the C.9 Pesticides Toxicity Control section of the Program's FY 15-16 Annual Report for information on point of purchase public outreach conducted county-wide 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:

**No public outreach is performed at the City of Fairfield Corporation Yard. See the C.9 Pesticides Toxicity Control section of the Program's FY 15-16 Annual Report for a summary of our participation in and contributions towards county-wide and regional public outreach to pest control operators and landscapers to reduce pesticide use."**

## 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, the City of Fairfield participated in regulatory processes related to pesticides through contributions to the Program, 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 C.10.b.i) | **96%** |
| Percent Trash Reduction in all TMAs due to **Control Measures Other than Trash Full Capture Systems** (as reported in C.10.b.ii) | **0%** |
| Percent Trash Reduction due to **Jurisdictional-wide Source Control Actions** (as reported in C.10.b.iv) | **2%** |
| **SubTotal for Above Actions** | **98%** |
| **Trash Offsets (Optional)** | |
| Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i) | **NA** |
| Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii) | **NA** |
| **Total Estimated % Trash Load Reduction in FY 15-16** | **98%** |

**Discussion of Trash Load Reduction Estimate:**

As can be seen, most of the Trash Load Reduction within the City of Fairfield has been accomplished with Trash Fill Capture Systems, which have been installed throughout the City in Moderate and/or High Trash Generation Areas. The preferred devices that have been used are the large full capture devices that are able to treat large areas. In areas of the city where large full capture devices were less feasible to install, full trash capture screens were installed. Overall, the City of Fairfield has been able to treat approximately 94% of the Moderate and/or High Trash Generation Areas within the city.

The City is still optimistic of the passage of SB270, which would control the distribution of single-use plastic bags in grocery stores, pharmacies, convenience stores, and liquor stores.

## 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).

## 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) |
|---|---|---|
| **Installed Prior to FY 15-16** | | |
| **Contech CDS CCP-1HFn with Diversion Box (TMA #1)** | 1 | 270 |
| **Flogard Full Trash Capture Trash Screens (TMA #3)- Treats 6/41 ac Moderate Trash** | 3 | 6 |
| | | |
| **Installed in FY 15-16** | | |
| **Oldcastle DVS-84 Circular Dual-Vortex Hydro-Dynamic Separator (TMA #2)** | 1 | 39 |
| **FloGard SS Full Trash Capture Outlet Screens with Oil Boom (TMA #3)- Treats 17/41 ac of Moderate Trash Generating Area (23/41 acres total being treated )** | 23 | 17 |
| | | |
| **Total for all Systems Installed To-date** | | **332** |
| **Treatment Acreage Required by Permit (Population-based Permittees)** | | **296** |
| **Total # of Systems Required by Permit (Non-population-based Permittees)** | | **NA** |

## 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).

## 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 |
|---|---|---|---|---|
| 1 | 83% | 28 | 0% | **There have been no signs of maintenance issues for any of the full trash capture devices. The largest device (TMA #1) was installed in 2012, 4 devices were installed in 2015, and 23 were installed earlier this year. Of the 28 devices, 26 are full trash capture screens which are easily maintainable. The other two are large manhole-type devices, which require vacuuming out the trash.** |
| 2 | 8% | | | |
| 3 | 5% | | | |
| 4 | NA | | | |
| Total | 96% | | | |

- ***Certification Statement:*** **The City of Fairfield hereby certifies that a full trash capture system maintenance and operation program is currently being implemented to maintain all applicable systems in a manner that meets the full capture system requirements included in the Permit.**

## C.10.b.ii ▶ Trash Reduction – Other Trash Management Actions (PART A)

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.

| TMA | Summary of Trash Control Actions Other than Full Capture Systems |
|---|---|
| All | Reduce Trash from Uncovered Loads |
| All | Public Education and Outreach Programs Targeted at Trash Reduction and Implemented Post- MRP Adoption |
| All | On-Land Trash Cleanups |

## C.10.b.ii ▶ Trash Reduction – Other Trash Management Actions (PART B)

Provide the following:

1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
2) Percent jurisdictional-wide trash reduction in FY 15-16 attributable to trash management actions other than full capture systems implemented in each TMA.

| TMA ID *or (as applicable)* Control Measure Area | Total Street Miles or Acres Available for Assessment | Summary of On-land Visual Assessments | | | Jurisdictional-wide Reduction (%) |
|---|---|---|---|---|---|
| | | Street Miles or Acres Assessed | % of Applicable Street Miles or Acres Assessed | Avg # of Assessments Conducted at Each Site | |
| 1 | NA | NA | NA | NA | NA |
| 2 | NA | NA | NA | NA | NA |
| 3 | 18 acres | 18 acres | 100% | 1 | 0% |
| Total | | | | | |

## 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 (%) |
|---|---|---|---|---|---|
| Reduce Trash from Uncovered Loads | The City entered into a hauling service contract requiring loads to be covered as part of the latest solid waste hauling agreement. Dominant trash source is all types of trash. | City staff enforce this measure during their routine project field inspections. | Results show that haulers are complying with this requirement to cover loads | 1% | 2% |
| Public Education and Outreach Programs Targeted at Trash Reduction and Implemented Post-MRP Adoption | The City recently installed "Put Trash Where It Belongs" signs around town at locations in the high trash generation rate areas. The same sign has been attached to Solano Garbage Company dumpsters to promote the protection of our local creeks and the Suisun Marsh. The Program is also working with Solano Garbage's route drivers to educate facility managers and property owners during garbage pickups. Drivers have been given maps of high trash generation areas and City Trash/Ordinance cards as well as instructions to pay attention toward the maintenance, proper disposal and pick-up frequency during garbage pickup. Drivers have been instructed to deliver City Trash/Ordinance cards to facility managers depicting the deficiencies of the facility's trash disposal. City code enforcement officers may be drawn in to assist in education and compliance as needed. The Program is also working with Solano County Health Inspectors to educate and enforce facility managers and property owners during their normal daily inspections following similar procedures as described above. | City staff will visually monitor the amount of trash found at the City's hot spots to see if the amount of trash has been reduced | Monitoring of the trash found at the City's hot spots appear to show that the amount of trash has either been reduced or remained consistent with past years | 1% | |

## 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 |
| Dan Wilson Creek | N | May 25-26, 2016 | 1.0 | 2.0 | 2.0 | 0.5 | 2.0 |
| Woolner Ditch | N | May 25-26, 2016 | 1.5 | 2.0 | 1.0 | 1.5 | 0.5 |
| Acacia Ditch | N | May 25-26, 2016 | 1.25 | 1.0 | 0.5 | 1.0 | 1.5 |
| Laurel Creek | N | May 25-26, 2016 | 0.75 | 1.0 | 0.5 | 1.0 | 1.0 |

## 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 |
|---|---|
| Full Trash Capture Device installed in TMA #2 that treated all 39.3 acres of the Moderate Trash Generation Area | 2 |
| Full Trash Capture Devices installed in TMA #3 that treated 23 of the 41 acres of the Moderate Trash Generation Area | 3 |

## 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) | On September 29, 2015, the Program led volunteer cleanup of local creeks throughout the Cities of Fairfield and Suisun City. A total of 692 volunteers picked up approximately 10,895 pounds of trash and recyclable materials om 28 miles of waterways.<br><br>On April 23, 2016, the Program led volunteer cleanups of Ledgewood Creek in Fairfield, along with Lower Union Avenue Creek and the Suisun Marsh at Grizzly Island Road in Suisun City. There were a total of 63 volunteers who picked up approximately 10.3 CY pf trash along this 3 miles of waterways in both cities. | 54<br><br>10.3 | NA |
| Direct Trash Discharge Controls (Max 15% Offset) | NA | NA | NA |

**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 | | |
| 1 | 130.5 | 159 | 57 | 0 | 346.5 | 346.5 | 0 | 0 | 0 | 346.5 | 83% | 346.5 | 0 | 0 | 0 | 346.5 | NA | 83% |
| 2 | 0 | 39.3 | 0 | 0 | 39.3 | 39.3 | 0 | 0 | 0 | 39.3 | 8% | 39.3 | 0 | 0 | 0 | 39.3 | NA | 8% |
| 3 | 0 | 41.1 | 0 | 0 | 41.1 | 23 | 18 | 0 | 0 | 41 | 5% | 23 | 18 | 0 | 0 | 41 | NA | 5% |
| 4 | 18,448 | 0 | 0 | 0 | 18,448 | 18,448 | 0 | 0 | 0 | 18,448 | NA | 18,448 | 0 | 0 | 0 | 18,448 | NA | NA |
| Totals | 18,578 | 240 | 57 | 0 | 18,875 | 18,857 | 18 | 0 | 0 | 18,875 | 96% | 18,857 | 18 | 0 | 0 | 18,875 | 2% | 98% |

## 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 Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of the Program's FY 15-16 Annual Report and/or BASMAA regional reports.**

## 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:

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

## 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? | X | Yes | | No |

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

Summary:

**The City of Fairfield has specific requirements in their stormwater ordinance for prohibition of copper-containing water to the storm drain system.**

**The Program has revised its C.3 New Development Guidance Document and BMPs which will reduce the impact of architectural copper features, including copper roofs, during construction and post construction. Because architectural Copper is not a popular feature in the Fairfield Suisun area, discharge of copper laden water from these structures is not seen as a significant source of copper.**

**In addition, the Program has developed a flyer for the permit counter entitled: Requirements for Architectural Copper. The flyer is based on a similar version from the San Mateo County-wide Water Pollution Prevention Program. The flier (see attached) describes how copper can harm aquatic life and best management practices which must be implemented to prevent prohibited discharges to the storm drain system.**

*(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:

**The Program has developed a flyer for the permit counter entitled: Requirements for Architectural Copper. The flyer is based on a similar version from the San Mateo County-wide Water Pollution Prevention Program. The flier (see attached) describes how copper can harm aquatic life and best management practices which must be implemented to prevent prohibited discharges to the storm drain system.**

## 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? | 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 Fairfield has specific requirements in their storm water ordinance for prohibition of copper laden water to the storm drain system. Specifically, all swimming pools, spas, hot codes, and fountains that utilize copper-based chemicals shall not discharge into any storm drain was in the city's jurisdiction.**

*(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 have been no reported discharges of copper containing water from pools, spas and fountains within the program area.**

## 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:

**Training of Health Inspectors was performed on February 12, 2016. The focus of the training was consistency in enforcement levels, enforcement authority; city stormwater ordinances (including Copper controls); high-priority facilities needed to be inspected during the fiscal year and enforcement levels associated with illegal discharges.**

**The Program has revised its C.3 New Development Guidance Document and BMPs to reduce the impact of architectural copper features, including copper roofs, during construction and post construction. Because architectural Copper is not a popular feature in the Fairfield Suisun area, discharge of copper laden water from these structures is not seen as a significant source of copper.**

**In addition, the Program has developed a flyer for the permit counter entitled: Requirements for Architectural Copper. The flyer is based on a similar version from the San Mateo County-wide Water Pollution Prevention Program. The flier (see attached) describes how copper can harm aquatic life and best management practices which must be implemented to prevent prohibited discharges to the storm drain system.**

# Requirements for Architectural Copper

## Fairfield-Suisun Urban Runoff Management Program

### Protect water quality during installation, cleaning, treating, and washing!

### Copper from Buildings May Harm Aquatic Life

Copper can harm aquatic life in San Francisco Bay. Water that comes into contact with architectural copper may contribute to impacts, especially during installation, cleaning, treating, or washing. Patination solutions that are used to obtain the desired shade of green or brown typically contain acids. After treatment, when the copper is rinsed to remove these acids, the rinse water is a source of pollutants. Municipalities prohibit discharges to the storm drain of water used in the installation, cleaning, treating and washing of architectural copper.

*Building with copper flashing, gutter and drainpipe.*

### Use Best Management Practices (BMPs)

The following Best Management Practices (BMPs) must be implemented to prevent prohibited discharges to storm drains.

#### *During Installation*

- If possible, purchase copper materials that have been pre-patinated at the factory.
- If patination is done on-site, implement one or more of the following BMPs:
  - Discharge the rinse water to landscaping. Ensure that the rinse water does not flow to the street or storm drain. Block off storm drain inlet if needed.
  - Collect rinse water in a tank and pump to the sanitary sewer. Contact your local sanitary sewer agency before discharging to the sanitary sewer.
  - Collect the rinse water in a tank and haul off-site for proper disposal.
- Consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. This will also maintain the desired color for a longer time, requiring less maintenance.

*Storm drain inlet is blocked to prevent prohibited discharge. The water must be pumped and disposed of properly.*

#### *During Maintenance*

Implement the following BMPs during routine maintenance activities, such as power washing the roof, re-patination or re-application of impervious coating:

- Block storm drain inlets as needed to prevent runoff from entering storm drains.
- Discharge the wash water to landscaping or to the sanitary sewer (with permission from the local sanitary sewer agency). If this is not an option, haul the wash water off-site for proper disposal.

### Protect the Bay/Ocean and yourself!

If you are responsible for a discharge to the storm drain of non-stormwater generated by installing, cleaning, treating or washing copper architectural features, you are in violation of the municipal stormwater ordinance and may be subject to a fine.

*Photo credit: Don Edwards National Wildlife Sanctuary*

## 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:

**See Section C.7 of the Program's annual report. This portion of the annual report shows the Program's efforts towards the promotion of the School Water Education Program (SWEP). One of the primary focuses of this Program is water conservation. SWEP provides free water education resources to teach water awareness and conservation to students, teachers and parents in our service areas of Fairfield, Suisun City and Travis Air Force Base. The in-class education Programs include resource materials and assembly Programs are multi-discipline and aligned to the content standards for California public schools. The Programs encourage students and adults to develop a healthy attitude of personal responsibility towards our environment and develop skills needed to contribute meaningfully to decision-making process on issues involving our resources and particularly conserving our most precious resource, water.**

**See Section C.9 of the Program's annual report. This portion of the annual report shows the Program's efforts toward the promotion of less toxic pest control and landscape management. The Program contracts with consultant Annie Joseph regarding Our Water Our World, including outreach efforts regarding pesticide reduction or the use of less toxic products to pesticides. For additional information on regional efforts, see Section C.9.h.i of the Regional Supplement for Training and Outreach for FY2015-2016 submitted by BASMAA on behalf of all MRP Permittees.**

**The City of Fairfield has put the State Water Efficient Landscape Ordinance into effect. The ordinance focuses on new development design to be highly water efficient and minimize run-off. It applies to large developments and large re-landscaping in the city.**