



Transmittal – via email

Date: **January 24, 2024**

To: David Gibson, Executive Officer
SanDiego@waterboards.ca.gov
San Diego Regional Water Quality Control Board

From: Allison McLaughlin, Senior Engineer
amclaughlin@ci.vista.ca.us
City of Vista

Subject: **City of Vista Fiscal Year 2022-23 Jurisdictional Runoff Management Program Annual Reports CW 270704 and WDID 9 000510S17**

CC: Nic White; Nic.White@waterboards.ca.gov

This transmittal includes submittal of the City of Vista’s Fiscal Year 2022-23 Jurisdictional Runoff Management Program (JRMP) Annual Reports. Two annual reports are provided, one for each watershed management area (WMA) for which the city is a responsible agency:

- Carlsbad WMA
- San Luis Rey River WMA

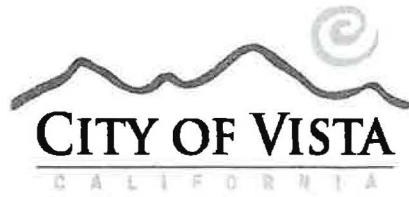
Additional information provided as follows:

City of Vista Contact
Ken Knatz, Sewer Engineering Division Manager
kknatz@ci.vista.ca.us
760-643-5416

By January 31, 2024, these JRMP Annual Reports will also be uploaded to the regional clearinghouse website (Project Clean Water), as attachments within respective Water Quality Management Plan Annual Reports. The annual reports will be available at:

Carlsbad Watershed Management Area
[Carlsbad WOIP 2022-2023 Annual Report – Project Clean Water](#)

San Luis Rey Watershed Management Area
[San Luis Rey WOIP 2022-2023 Annual Report – Project Clean Water](#)



STATEMENT OF SUBMITTAL

City of Vista Fiscal Year 2022-23 Jurisdictional Runoff Management Program Annual Reports CW 270704 and WDID 9 000510S17


The City of Vista has prepared two Fiscal Year 2022-23 Jurisdictional Runoff Management Program (JRMP) annual reports, one for each watershed management area (WMA) for which the City is a responsible agency:

- Carlsbad WMA
- San Luis Rey WMA

The two JRMP annual reports have been combined into one PDF file for submittal, provided herein.

These JRMP annual reports will also be included within each of their respective Water Quality Improvement Plan Annual Reports and made available on the regional clearinghouse website (<https://projectcleanwater.org/>).

Should you have any questions, please contact Ken Knatz, Sewer Engineering Division Manager at kknatz@ci.vista.ca.us or 760-643-5416.



Greg Mayer
Director of Engineering

January 24, 2024
Date

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM – City of Vista, Carlsbad WMA
ANNUAL REPORT FORM**

FY 2022-23


I. COPERMITTEE INFORMATION	
Copermittee Name: City of Vista, CW-270704, WVID 9 000510S17	
Copermittee Primary Contact Name: Ken Knatz, Sewer Engineering Division Manager	
Copermittee Primary Contact Information: Address: 200 Civic Center Drive	
City: Vista	County: San Diego
Telephone: 760-643-5416	Fax: 760-639-6112
State: CA	Zip: 92084
Email: kknatz@cityofvista.com	
II. LEGAL AUTHORITY	
Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE	
Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board? <i>NOTE: Voluntary JRMP document update completed.</i>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM	
Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Number of non-storm water discharges reported by the public	50
Number of non-storm water discharges detected by Copermittee staff or contractors	75
Number of non-storm water discharges investigated by the Copermittee	125
Number of sources of non-storm water discharges identified	109
Number of non-storm water discharges eliminated	106
Number of sources of illicit discharges or connections identified	109
Number of illicit discharges or connections eliminated	106
Number of enforcement actions issued	96
Number of escalated enforcement actions issued	8
V. DEVELOPMENT PLANNING PROGRAM	
Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Number of proposed development projects in review	34
Number of Priority Development Projects in review	17
Number of Priority Development Projects approved	10
Number of approved Priority Development Projects exempt from any BMP requirements	0
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	5
Number of completed Priority Development Projects in inventory	179
Number of high priority Priority Development Project structural BMP inspections	402
Number of Priority Development Project structural BMP violations	128
Number of enforcement actions issued	39
Number of escalated enforcement actions issued	0

FY 2022-23

VI. CONSTRUCTION MANAGEMENT PROGRAM					
Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Number of construction sites in inventory				35	
Number of active construction sites in inventory				34	
Number of inactive construction sites in inventory				1	
Number of construction sites closed/completed during reporting period				7	
Number of construction site inspections				631	
Number of construction site violations				21	
Number of enforcement actions issued				23	
Number of escalated enforcement actions issued				0	
VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM					
Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
	Municipal	Commercial	Industrial	Residential	
Number of facilities or areas in inventory	62	1,058	183	18	
Number of existing development inspections	62	1,097	32	16	
Number of follow-up inspections	1	122	0	28	
Number of violations	3	257	0	25	
Number of enforcement actions issued	1	134	0	30	
Number of escalated enforcement actions issued	0	0	0	1	
<small>**See Attachment A for description of revised property-based inspections at Industrial & Commercial facilities**</small>					
VIII. PUBLIC EDUCATION AND PARTICIPATION					
Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
IX. FISCAL ANALYSIS					
Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



 Signature

January 10, 2024

 Date

GREG MAYER

 Print Name

DIRECTOR OF ENGINEERING

 Title

760-639-6111

 Telephone Number

GMAYER@CITYOFVISTA.COM

 Email

Attachment A.

**Jurisdictional Runoff Management Program Annual Report – Carlsbad WMA:
Supplemental Information**

Information provided in this attachment supplements data presented in the Jurisdictional Runoff Management Program Annual Report Form. Each section that follows is presented in order of program element as identified in the form.

1 Copermittee Information

The City of Vista’s (City) jurisdictional area resides within two Watershed Management Areas (WMAs), the Carlsbad WMA and the San Luis Rey WMA (SLR WMA; Table 1-1).

Table 1-1. City of Vista Jurisdictional Area within Watershed Management Areas

Watershed Management Area	Watershed Area	Vista Jurisdictional Area	Vista Jurisdictional Area Within Watershed
Carlsbad	135,000 acres	11,251 acres	8.3 percent
San Luis Rey	360,000 acres	771 acres	0.2 percent
<i>City of Vista Total</i>		<i>12,022 acres</i>	

As required by the San Diego region municipal stormwater permit (MS4 Permit; San Diego Region Water Quality Control Board, Order No. R9-2013-0001), program activities conducted in these two WMAs are summarized in separate annual reports. This report summarizes activities conducted within the Carlsbad WMA.

2 Legal Authority

The City maintained and implemented legal authority within its jurisdiction consistent with the San Diego region municipal stormwater permit through Vista Municipal Code (VMC) Chapter 13.18, *Stormwater Management and Discharge Control Program*. VMC Chapter 13.18 was adopted by Vista City Council on June 9, 2015, with most recent editorial revisions made on September 23, 2016. The City’s municipal and development codes are available at:

<https://www.cityofvista.com/city-services/city-departments/community-development/municipal-development-codes>

3 Jurisdictional Runoff Management Program Document Update

The City’s JRMP document was updated to reflect the following program improvements:

- Updated municipal facility existing development inventory (JRMP Appendix J).
- Transition from a business-based approach to industrial/commercial existing development inspections, to an onsite property-based inspection approach (JRMP Section 6).

A red-line revision to the document was posted on the City’s website:

<https://www.cityofvista.com/departments/engineering/water-quality-protection/watersheds>

A link to the above City website page is also available from the Project Clean Water clearinghouse website at:

www.projectcleanwater.org

4 Illicit Discharge Detection and Elimination

Sections 4 through 7 summarize jurisdictional program activities, presented in order of program components listed in Sections IV through VII of the Annual Report Form. Note that multiple violations can be identified through one enforcement action, or one violation may result in multiple enforcement actions; therefore, in the Annual Report Form, the total number of enforcement actions does not equal the number of violations observed.

Illicit Discharge Detection and Elimination (IDDE) activities are summarized in Section IV on the Annual Report Form. One hundred twenty-five IDDE cases were initiated for investigation of non-stormwater discharges through Illicit Discharge Detection and Elimination activities in the Carlsbad WMA. Fifty of these were initiated as a result of reporting by the public. The cases resulted in 96 enforcement actions being issued, including eight escalated enforcement actions (e.g., administrative citations). The number of non-stormwater discharges identified and eliminated was 106.

The City's "Report It" tool is available on the City of Vista homepage (www.cityofvista.com), with similar reporting functions in the *AccessVista* smartphone application. The tools are available for anyone to report concerns in the city. During the reporting period, city-wide, 332 public inquiries were logged regarding stormwater pollution, drainage, irrigation runoff, and debris/trash/dumping. This is 30 more inquiries than the previous reporting period. Inquiries can result in resolution on site, creation of work orders, and/or enforcement cases. As a result, while all inquiries are responded to, not all result in enforcement cases as reported in Section IV of the Annual Report Form.

Major outfall inspections and analytical sampling were conducted in support of IDDE activities. During the reporting period, two rounds of dry-weather outfall visual inspections were conducted (49 inspections during round 1 and 48 during round 2). Five persistently flowing outfalls were sampled for laboratory analysis during each round following persistent-flow monitoring requirements.

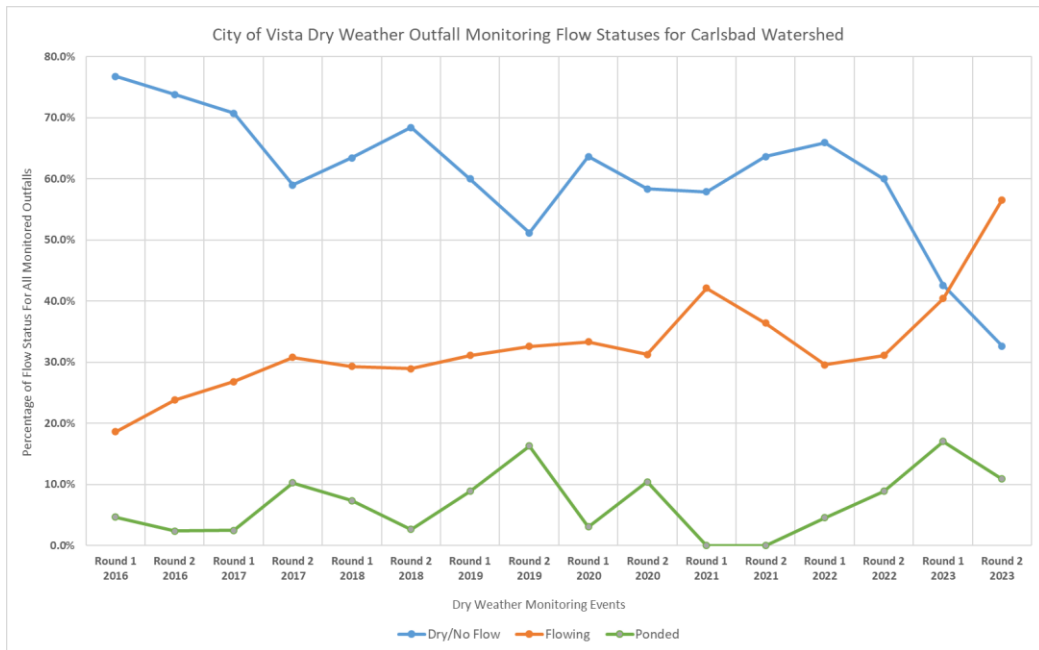
Round 1 Summary:

- 19 outfalls had observed flow with upstream investigations conducted (11 sources were identified).
- 8 outfalls had ponded water (not flowing).
- 11 enforcement cases were initiated due to illicit discharges.
- 1 enforcement case was initiated for illegal dumping of trash.
- outfalls BV-12 and BV-16 both had noticeably higher flow rates than previous monitoring events at 65 gpm and 80 gpm, respectively.

Round 2 Summary:

- 22 outfalls had observed flow with upstream investigations conducted (10 sources were identified).
- 5 outfalls had ponded water (not flowing).
- 6 enforcement cases were initiated due to illicit discharges.
- Upstream investigation for Outfall AH-12 led to irrigation runoff from a construction site being identified and eliminated.

The observed increase in the number of outfalls exhibiting flow or ponded conditions is believed to be associated with the excessively wet 2022-23 rainy season (October – April; Figure 1). The National Weather Service San Diego office reported approximately 21.58 inches of rainfall during this period, exceeding the average of 13.39 inches by over 8 inches. Areas of elevated groundwater and springs were present in Vista in preceding years during drought conditions, and additional areas were observed during this reporting period correlating to excessive rainfall that occurred.



4.1 Homelessness

The City’s *Strategic Plan to Address Homelessness* (March 2020) continued to utilize a three-pronged approach, blending services, resources, and enforcement to address the following primary goals: 1) Prevent Homelessness, 2) Improve Quality of Life, and 3) Reduce Homelessness. Since October 2020, the City of Vista has accomplished the following milestones while supporting people experiencing homelessness in our community:

- 128 unsheltered individuals have been placed in emergency shelters for a total of 7,327 nights.
- 532 unduplicated unsheltered individuals have been enrolled for continuing services with outreach workers.
- 96 households at risk of becoming homeless have received over \$334,483 in emergency assistance to prevent homelessness.
- Over \$3 million dollars have been invested in direct services to support people experiencing homelessness.

The Strategic Plan and updated resources regarding people experiencing homelessness can be found on the Housing Division webpage (<https://www.cityofvista.com/city-services/housing-homeless-services>).

Following an award of a \$1.8 million grant in March 2022, the City began planning to focus these resources in addressing encampments in a biological preserve overlay area in the vicinity of Buena Vista Creek. The City was one of 18 agencies to be awarded the demonstration grant from the State of California Interagency Council on Homelessness.

In January 2023, the City initiated a contract for Safe Parking Services. The Safe Parking Program opened in August 2023, which provides onsite, wraparound services focused on basic needs assistance, employment, family wellness, school success, financial education, credit repair, and most importantly, a return to housing.

The City maintained a work group consisting of staff from severable municipal divisions such as the COPPS Unit of the Sheriff's Department, the San Diego County Department of Homeless Solutions, the Regional Task Force on Homelessness, PATH, Alpha Project, Jewish Family Services, and Exodus Recovery, and City staff (City Manager's Office, Engineering, Code Enforcement, Recreational, City Attorney's Office and Public Works). These representatives met regularly to coordinate activities, align resources, and distribute information within the region. The work group seeks to improve internal and external communications on addressing homelessness and has driven enforcement activity to better address homeless encampments by coordinating efforts with social workers, the COPPS unit, and city divisions. Additionally, the City has engaged in legislative advocacy and is in initial discussions to regionally address legislation in support of identifying resources and streamlining processes to strengthen resources for our unsheltered community.

Strategies and activities to address homelessness in the City of Vista are focused where encampments tend to establish, such as in the vicinity of the urban core and in landscaped open spaces where encampments may be hidden from public view. In addition to services provided by partner agencies to prevent and reduce homelessness, activities occur to reduce potential sources of pollutants from encampments. Since 2020, 777 encampments were removed from public right of ways to abate homelessness and encampment debris, which resulted in the elimination of over 91 tons of trash.

4.2 Trash Order Track 2 Implementation

San Diego Region Water Quality Control Board Order No. R9-2017-0077 (Trash Order) requires progressive reduction of the trash loading each year until full compliance with the trash discharge prohibition is achieved no later than December 2, 2030. City activities for trash abatement are guided by its Track 2 Implementation Plan. Track 2 utilizes a combination of structural and non-structural (e.g., institutional or programmatic) controls for demonstrating compliance with the trash discharge prohibition order. The FY 2022-23 Trash Order Implementation Plan Annual Report is provided in Attachment B.

5 Development Planning Program

Development Planning Program activities are summarized in Section V on the Annual Report Form. Note that multiple violations can be identified on one enforcement action; therefore, in the Annual Report Form, the total number of enforcement actions may not equal the number of violations observed.

There are 179 Priority Development Project sites completed (inventoried) in the Carlsbad WMA, consisting of 943 individual structural Best Management Practices (BMPs). Prior to conducting PDP site BMP inspections in summer 2023, staff reviewed the prioritization of sites, identifying 36 sites (143

BMPs) within the city as high priority to be inspected. Standard priority sites were inspected based on the status of annual certifications and compliance history. During the reporting period, a total of 402 BMPs were inspected at 82 sites, with 128 BMP deficiencies observed at 36 sites. Each of the 36 sites were issued a written warning with corrective actions. An additional three enforcement actions were issued through compliance cases, resulting in 39 total enforcement actions.

The City completed targeted updates to its *BMP Design Manual* during the FY 2021-22 reporting period. Comprehensive revisions to the manual were initiated during the reporting period and are anticipated to be completed in FY 2023-24. When completed, the manual will be included with the Carlsbad WMA WQIP annual report and posted on the City's website (and linked from the Project Clean Water clearinghouse website).

6 Construction Management Program

Construction Management Program activities are summarized in Section VI on the Annual Report Form. Of the 35 inventoried construction sites, 34 sites were active for part of, or throughout, the reporting period. At active sites, 631 inspections were conducted, resulting in 21 observed violations, and 23 enforcement actions.

7 Existing Development Management Program

Existing development inspections and enforcement actions are summarized in Section VII of the Annual Report Form.

7.1 Existing Development Facility Inspections

Municipal Facilities

All 62 inventoried municipal facilities in the Carlsbad WMA were inspected. Three new sites were added to the inventory, one representing each segment of the Inland Rail Trail. One site required follow-up for observed deficiencies and was resolved.

Commercial Facilities

In March 2022, the City transitioned to a property-based approach to conducting commercial and industrial facility inspections. To ensure that all inventoried businesses were inspected at least once every five years (MS4 Permit Provision E.5.c), inventoried properties were inspected during this reporting period if *any of the businesses on that property* had not been inspected in the preceding five years. This approach resulted in a significant increase in facility inspections, however, this approach ensured that the inspection frequency required by the MS4 Permit was fulfilled.

In the property-based approach, the commercial facility inventory consists of sites, inclusive of common areas, that contain businesses operating with either commercial or industrial activities. Of the 1,058 inventoried sites (properties), 1,097 inspections were conducted (i.e., some sites were inspected more than once), with 122 follow-up inspections completed, and 134 enforcement actions issued. Site inspections included over 2,964 commercial businesses, including 10 agriculture sites (sites regulated by the State Water Board Irrigated Lands Program).

Industrial Facilities

Consistent with the current MS4 Permit, industrial facilities are distinguished separately from commercial facilities. The inventory of industrial facilities is defined as businesses operating with an active state-issued Industrial General Permit (IGP), as designated by the State Water Resources Control Board's (SWRCB) Stormwater Multiple Application and Report Tracking System (SMARTS). These industrial facilities are inspected individually, regardless of whether they reside within a commercial site as described above. During the reporting period, there were 183 industrial facilities inventoried within the Carlsbad WMA. Of these, 32 industrial facilities were inspected by walkthrough inspections. An additional 32 facilities were included in the property-based approach. Based on inspection findings, no follow-up inspections, violation citations, or enforcement actions were necessary.

Residential Facilities

Eighteen Residential Management Areas (RMAs) remain inventoried within the Carlsbad WMA. To fulfill the WQIP enhanced inspection strategy, the eight RMAs within focus areas AH-04 and BV-06 were inspected twice. Staff utilized inspections as an opportunity to communicate directly with residents, or mail educational information to property owners regarding observed violations. City staff conducted 28 in-person follow-up inspections to confirm the resolution of 25 observed violations. Thirty enforcement actions were initiated, including one escalated enforcement action (i.e., citation).

7.2 Municipal Activities

The City of Vista and Buena Sanitation District operate sewer collection systems within the City's limits, with activities guided by a sewer system management plan. During the reporting period, revisions were made to the *City of Vista and Buena Sanitation District Sewer System Management Plan*, including updates to the *Spill Emergency Response Plan*. Between both districts, more than 33 miles of sanitary sewer were inspected by closed-circuit television, and 306 miles of sewer were cleaned.

The inventory of Food Service Establishments (FSEs) within each sanitation district was updated. Of 332 inventoried FSEs, 127 were inspected in the Carlsbad WMA during the reporting period for compliance with Fats Oils and Grease (FOG) requirements. During FOG inspections, FSEs are provided a 'FOG binder' containing materials such as logs for maintenance and training, a grease hauler list, and additional resources. These inspections, and adherence to FOG requirements, reduce the potential for blockage and overflow of the City's sanitary sewers.

Additional citywide pollution prevention activities included the following highlights:

- Inventoried storm drain inlets were inspected at least once, and maintenance or cleaning was conducted as necessary.
- Conducted street sweeping, with high and moderate debris-rated roadways being swept twice per month and low debris-rated roadways being swept monthly.
- Maintained 122 trash bins at bus stops and high-use pedestrian areas.
- Continued support of 13 certified oil collection centers within the city. Used oil collection centers recovered approximately 25,475 gallons of oil.
- Collected 10,200 pounds of paper and 9,760 pounds of e-waste during a document shredding and e-waste collection event on June 10, 2023.

- Continued to promote and operate the Household Hazardous Waste facility that serves the member cities of Carlsbad, Encinitas, Escondido, Solana Beach, and San Marcos. During the reporting period, 6,713 carloads visited the facility, diverting 434,337 pounds of potentially hazardous material from the municipal waste stream.

7.3 Roman Creek Project

Roman Creek resides in the southern portion of the City-owned Buena Vista Park and is tributary to Agua Hedionda Creek. Within the Carlsbad WMA WQIP, wetland creation and enhancement at Roman Creek has been identified as a strategy to address hydromodification impacts as well as a mitigation strategy to compensate for aquatic resource impacts from other City projects. Previous Carlsbad WMA annual reports provide summaries of completed field studies, project design work, and environmental permitting activities for the project.

In the previous reporting period, design-build services were solicited for the Roman Creek project. The lone bid received was deemed responsive, however exceeded project budget by over \$2,300,000 and the City did not proceed with contracting. The available capital budget for the project was carried forward through FY 2022-23. During the current reporting period, the project remained on hold and the City initiated a review of conditions and resources related to hydromodification characteristics and conditions in the Agua Hedionda drainage area. Informational sources obtained included the Agua Hedionda Watershed Management Plan and restoration opportunities, multiple Roman Creek project reports and design plans, existing treatment control structure details, and available GIS datasets (land use, properties, drainages, etc.). The Roman Creek project will remain on hold while review of this information continues in FY 2023-24, with the intent to evaluate the appropriateness of adjusting current numeric goals or alternative jurisdictional strategies.

7.4 Senate Bill 205 Requirements

Stormwater Engineering and Business License staff continued to coordinate the implementation of Senate Bill 205 (SB 205) requirements, providing notification to applicable businesses to obtain coverage through the state-issued IGP. When applying or reapplying for a business license, applicants with an applicable Standard Industrial Classification (SIC) code completed a Stormwater Supplemental Questionnaire to demonstrate compliance with SB205 requirements. An informational letter regarding SB 205 requirements was distributed as part of the business license renewal program. Through this process, 34 businesses were reported as IGP non-filers to the San Diego Regional Water Quality Control Board.

8 Public Education and Outreach

Tables 8-1 and 8-2 summarize citywide education and outreach activities during the reporting period. Highlights of citywide activities included the following:

- Regularly promoted targeted pollution prevention activities via infographics posted on the City's social media outlets (Facebook, Instagram, Nextdoor, and Twitter), which were also displayed at key downtown kiosks.
- Developed two new pollution prevention infographics and posters (provided in Attachment C).

- Continued to maintain and update the City’s stormwater webpage (www.cityofvista.com/stormwater) with pollution prevention resources for residents and businesses.
- Distributed multiple targeted pollution prevention messages through the City’s employee Newsletter, city’s E-Newsletter, and Our Vista Magazine (distributed to residents and businesses).
- Coordinated with South Vista Communities HOA to include pollution prevention infographics in their newsletters to residents, and promote events (e.g., volunteer clean-ups and infographics).
- Maintained City staff involvement with the regional stormwater education and outreach workgroup. A region-wide behavior change marketing campaign was conducted to prevent trash pollution and the management of pet waste.
- Provided pollution prevention fact sheets and information to landscapers and pool maintenance contractors that operate in the city.
- Hosted outreach and education booths at three large special events in the city, including the Summer Fun Festival (July 2022), City Hall Trick-or-Treat (October 2022), and Vista Strawberry Festival (May 2023).
- Hosted multiple (March, May, June) pet waste educational booths at two parks that experience heavy use by dog walkers.
- Distributed wet weather preparation notices to grading permitted sites at the beginning of the rainy season.

Table 8-1. Summary of Citywide Outreach Events

Outreach Opportunity	Description	Dates
Green Machine & Splash Science Lab	In-person science education support for San Diego County Office of Education’s Green Machine and Splash Science Lab activities with school-aged children in the Vista Unified School District..	Multiple dates, 32 classes, 672 students
Used Oil Certified Collection Center Coordination	Supported the I Love a Clean San Diego campaign through site visits and coordination among the 13 oil collection centers in Vista. Citywide collection of 25,475 gallons of oil.	November 2022 and April 2023
Cleanup Events	Promoted and supported volunteer trash cleanup events with I Love a Clean San Diego’s annual Coastal Cleanup Day and Creek to Bay cleanup at Buena Vista Creek Trail.	September 17, 2022 and April 22, 2023
Our Vista Magazine	Promote “Keep it Neat. Shut the Lid”, “Are You Ready for Rain,” “Do your doody scoop the Poop” messages and The Clean-up Event.	Winter 2022, Fall 2022, and Summer 2023
Our Vista Magazine	Promote Christmas tree recycling program and sites to Vista Residents.	December 2022 – January 2023
City of Vista e-News Blast to Residents	Promoted “Holiday Recycling Tips You Can Follow” message.	December 2022

Vista Strawberry Festival, Halloween event, Fun Festival	Distribute pollution prevention education material such as posters, flyers, and BMP brochures.	May 08, 2023, October 2022, and July 2022
Pet waste booth	Distribute pollution prevention education materials such as posters and flyers. Also, doggy bags at the City's dog parks.	March, May, and June, 2023
Class visit	Provided a water quality presentation for Murray High School students at Duck Pond.	April 2023
Document Shredding and e-waste Event	Shredding and electronic waste collection event at Civic Center. 610 cars visited the event with drop-offs equaling 9,760 pounds of e-waste and 10,200 pounds of paper.	June 10, 2023
Septic system notification letter	Distributed Septic System Maintenance fact sheet and notification letter to 570 property owners likely to have a system on-site.	June, 2023
HOA and Property Managers Presentations	Prepared two pollution prevention educational presentations for residents, HOAs, and property managers, which is also available on the City's YouTube page.	June 2023
South Vista Communities Newsletter	"Keep it neat, Shut the lid," "Trap Your Load", "Irrigation Runoff", "Do Your Doody, Scoop The Poop", "Are You Ready For Rain", "FOG" infographics, and promotion of clean up events.	Throughout FY 2022-23
Spotlight Newsletter	Promote "How to Discharge Pool Water", "Water Quality Tips", "Are You Ready for Rain", and "Too Toxic to Trash".	Throughout FY 2022-23
Public information kiosks at downtown	Promoted "Good Housekeeping Tips", "Keep it Neat. Shut the Lid", "Irrigation Runoff", and "Ditch the Dirt" on the public information kiosks downtown.	Throughout FY 2022-23
Social Media messages	Recurring posting of pollution prevention messages on City social media outlets (i.e., Twitter, Facebook, Instagram).	Throughout FY 2022-23

Table 8-2. Summary of Municipal Education Activities

Workshop/Training	Audience	Attendees	Location	Dates
CASQA - Annual Conference	Stormwater Professionals	2	Palm Spring	October 2022
Public Works Annual Stormwater Training	Public Works and Stormwater Staff	48	Vista	June 2023
Stormwater Requirements Building Training	Building Division Staff	8	Vista	June 2023
Construction Inspections Training	Inspection Staff	11	Vista	May 2023
Fats, Oil, and Grease Training for Municipal Facilities	Multiple Divisions	16	Vista	November and June 2022
An Annual Update on the State of California Stormwater	Stormwater staff	3	Virtual Training	January 2023
Agriculture Operations, Inspections, and Pollution Prevention Training	Stormwater staff	4	Virtual Training	June 2023

9 Fiscal Analysis

Fiscal information provided in this section is presented jurisdiction-wide, not distinguished between the two watersheds, Carlsbad WMA and San Luis Rey WMA. The City’s Jurisdictional Runoff Management Program continued to be primarily funded through a combination of both the Enterprise Fund and General Fund (Table 9-1). Expenditures for FY 2022-23 are summarized in Table 9-2.

Table 9-1. Summary of Funding Sources

Source	Funding
General Fund	\$ 1,480,517
Enterprise Fund	\$ 2,654,760
Special Assessment District	\$ 123,395
Grant Funds	\$ 42,790
TOTAL PROGRAM FUNDING	\$ 4,301,462

Table 9-2. Summary of Expenditures

	Program Component	Expenditures
Jurisdictional		
	Administration	\$ 379,516
	Development Planning	\$ 481,307
	Construction	\$ 966,648
	Municipal	\$ 1,994,597
	Industrial-Commercial	\$ 87,339
	Residential	\$ 10,246
	IDDE	\$ 153,149
	Public Education & Participation	\$ 76,067
	Subtotal - Jurisdictional	\$ 4,148,869
Watershed		
	Carlsbad and San Luis Rey WMAs	\$ 110,312
	Administration and Labor	\$ 21,342
	Subtotal - Watershed	\$ 131,654
Regional		
	Copermittee Cost Share	\$ 15,542
	Administration and Labor	\$ 5,397
	Subtotal - Regional	\$ 20,939
TOTAL PROGRAM EXPENDITURES		\$ 4,301,462

Attachment B.

Trash Order Implementation Plan Fiscal Year 2022-23 Annual Report

City of Vista
Trash Order Implementation
Fiscal Year 2022-23 Annual Report

Contents

1	Introduction	3
1.1	<i>Regulatory Background</i>	3
1.2	<i>Implementation Strategy</i>	3
1.3	<i>Progress Toward Trash Reduction Goal</i>	3
2	Summary of Control Measures	4
2.1	<i>Trash Order Drainage Master Plan</i>	4
2.2	<i>Baseline Trash Generation and Annual Reduction Goal.....</i>	4
2.3	<i>Structural Controls - Summary</i>	5
2.4	<i>Institutional Controls - Summary.....</i>	5
3	Implemented Institutional Controls	7
3.1	<i>Existing Controls.....</i>	7
3.1.1	<i>Sweeping.....</i>	7
3.2	<i>Generation Reduction.....</i>	8
3.2.1	<i>Plastic Bag Ban Ordinance</i>	8
3.2.2	<i>Polystyrene Food Service Ware Ordinance.....</i>	8
3.2.3	<i>Public Outreach.....</i>	8
3.2.4	<i>Tarp Your Load</i>	8
3.2.5	<i>Anti-littering and Illegal Dumping Enforcement Activities</i>	9
3.2.6	<i>Improved Trash Bin/Container Management</i>	9
3.2.7	<i>Single-Use Plastic Service Ware Ordinance</i>	9
3.3	<i>On-land Interception</i>	9
3.3.1	<i>Enhanced Storm Drain Maintenance</i>	9
3.3.2	<i>Municipal On-land Trash Clean-up</i>	10
3.3.3	<i>Recycling/Garbage</i>	10
3.3.4	<i>Caltrans Adopt-A-Highway Program</i>	10
3.3.5	<i>Hazardous Waste Disposal.....</i>	12
3.3.6	<i>Bulky Waste Items</i>	12
3.3.7	<i>Storm Drain Markers.....</i>	12

Tables

Table 1.	Baseline Trash Generation Rates	4
Table 2.	City of Vista PLU Generation Rates and Trash Reduction Goal.....	5
Table 3.	Trash Capture Device Summary	5

Figures

Figure 1.	Trash Load Reduction Calculations Process and Outputs	6
Figure 2.	Street Sweeping Schedule	7
Figure 3.	Caltrans Adopt-A-Highway Status in Vicinity of Vista.....	11

1 Introduction

This report has been prepared to fulfill annual reporting requirements of San Diego Regional Water Quality Control Board Order No. R9-2017-0077 (Trash Order), summarizing City of Vista (City) implementation activities for Fiscal Year 2022-23 (July 1, 2022 - June 30, 2023). This is Year 4 of the 10-year implementation period, which is expected to achieve full compliance no later than December 2, 2030.

1.1 Regulatory Background

The State Water Resources Control Board (SWRCB) adopted Resolution No. 2015-0019 (Trash Amendments) on April 7, 2015. On June 2, 2017, the San Diego Regional Water Quality Control Board issued the Trash Order, establishing regional requirements in support of the state-wide Trash Amendments. The Trash Order requires agencies, like the City, to comply with the trash narrative water quality objective and discharge prohibition through implementation of one of two selected measures, or tracks. The City chose its compliance pathway through Track 2, as described below.

1.2 Implementation Strategy

In November 2018, the City submitted a Track 2 Implementation Plan (Plan) to the San Diego Regional Water Quality Control Board. To demonstrate compliance with Track 2 of the Trash Order, the City is required to implement the following:

- Install, operate, and maintain any combination of full-capture systems, multi-benefit projects, other treatment controls, and/or institutional controls within either the jurisdiction of the MS4 permittee or within the jurisdiction of the MS4 permittee and contiguous MS4 permittees.
- Determine the locations or land uses within its jurisdiction to implement any combination of controls.
- Demonstrate that such combination achieves full-capture system equivalency.
- Determine which controls to implement to achieve compliance with full-capture system equivalency that is not cost-prohibitive to install (per expectations of the SWRCB).

The Plan describes the combination of structural and non-structural (e.g., institutional, or programmatic) controls the City anticipates will demonstrate compliance with the Trash Order. The Plan and additional related resources are available at: www.cityofvista.com/CMTC

1.3 Progress Toward Trash Reduction Goal

The City continued to demonstrate progress toward the selected Track 2 compliance strategy by implementing a combination of both structural and institutional (e.g., programmatic) controls. Currently, 3% of the City's total PLU area is being treated by structural controls. Institutional controls implemented over the reporting period included, but were not limited to, multiple on-land trash cleanup activities, ordinances to address single use plastics and polystyrene, and conducting outreach activities. Through use of the Trash Load Reduction Tracking Method (see Section 2.4 and Section 3) for these activities, the City has applied a conservative credit of 44% to the annual trash reduction goal.

2 Summary of Control Measures

2.1 Trash Order Drainage Master Plan

To support fulfilling requirements of the Trash Order, in early 2021, the City contracted services to prepare a Trash Order Drainage Master Plan. Objectives of the plan are to:

1. Compile high resolution geospatial data for Priority Land Uses (PLUs) identified in the Trash Order and develop a comprehensive Geographic Information System (GIS) inventory of the storm drain system,
2. Conduct drainage assessments to estimate flow conveyance capacities draining to PLU areas, and
3. Identify a list of capital improvement program projects to meet remaining trash load reduction requirements.

These objectives will help optimize the location and size of future trash capture device installations. Efficiencies can be realized through consolidation of devices and consideration of long-term monitoring and maintenance requirements.

The following activities were accomplished during the reporting period:

- Completed targeted editing and updates to the City’s storm drain geospatial dataset. Dataset completeness and system connectivity was improved by conducting over 13,000 edits, including asset additions, removals, relocations, and attribute updates. Migration of the dataset to existing City GIS is planned for FY 2023-24.
- Identified 31 locations for potential installation of regional or sub-regional structural trash capture devices, where trash may captured from larger drainage areas, such as storm drain main line pipes or laterals.
- Feasibility analysis of four regional structural trash capture devices for consideration in future Capital Improvement Program planning.
- Prepared draft final plan, with completion anticipated in FY 2023-24

2.2 Baseline Trash Generation and Annual Reduction Goal

Section 2 of the City’s Track 2 Implementation Plan describes baseline trash generation rates for PLUs and the annual trash reduction goal for full-capture compliance. The rates are summarized here and will be updated in future annual reports as necessary. Table 1 presents baseline trash-generation rates for land uses, based on a regional study of multiple sites throughout San Diego County. Applying these trash generation rates to land use in Vista, the baseline annual trash load-reduction goal was calculated to be 11,130 gallons/year. Table 2 summarizes this calculation.

Table 1. Baseline Trash Generation Rates

Land Use Category	No. of Sites in the County	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Mean Weight-Based Trash Generation Rates (pounds/acre/year) ¹
Commercial	11	6	0.95
High Density Residential	10	2.5	0.48
Industrial	14	2.6	0.66

¹Source: "Regional Trash Generation Rates for Priority Land Uses in San Diego County" (May 2018)

Table 2. City of Vista PLU Generation Rates and Trash Reduction Goal

Priority Land Use Category	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Total Acres ²	Total Reduction (gallons/year)
Commercial	6.0	720	4320
High Density Residential	2.5	940	2,350
Mixed Urban	3.7	410	1,517
Industrial	2.6	1,060	2,756
Public Transit	3.7	50	185
Total Area	-	3,180	11,130

¹ Rates for Commercial, Industrial, and High-Density Residential PLUs provided by "Regional Trash Generation Rates for Priority Land Uses in San Diego County". Mixed Urban and Public Transportation Stations PLU rates calculated using an average of Commercial, Industrial, and High-Density Residential.

² Acres calculated using City GIS data for PLU Acreage. Rounded to the nearest acre.

2.3 Structural Controls - Summary

The State Water Resources Control Board maintains a list of certified trash full capture systems that satisfy requirements of the Trash Amendments.¹ Forty-one (41) trash-capture devices (structural controls) are installed in the City-owned storm drain inlets or catch basins that are identified as full capture certified. During this reporting period, three devices were installed through construction of a new roundabout at the intersection of S. Santa Fe Avenue and Pala Vista Drive. The 41 devices treat approximately 96.8 acres or 3.0% of the City's total PLU area (Table 3).

Table 3. Trash Capture Device Summary

Priority Land Use Area (acres)	Number of Trash Capture Devices	Priority Land Use Area Treated by Devices (acres)	Percentage of Priority Land Use Area Treated by Devices
3,180	41	96.8	3.0%

Strategic installation of additional trash capture devices will proceed following completion of the trash order drainage master plan (see Section 2.1). Currently installed devices are identified in a Geographic Information System (GIS) and have been incorporated into the City's maintenance schedule. Devices are scheduled for inspection and maintenance, as necessary, on a quarterly basis by a combination of City staff and contractors. Details for each of the 41 currently installed devices is provided in *Appendix A: Structural Control Devices*.

2.4 Institutional Controls - Summary

The City implements a variety of institutional control measures (programmatic activities) to reduce trash generation. The effectiveness of these institutional controls and associated reduction in trash generation has been calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Method² (Figure 1). As described in Section 4, the City has implemented components for each of the tracking methods identified. A conservative credit of 44% is being applied toward the annual trash reduction goal through implementation of these institutional controls.

¹ State Water Resources Control Board Trash Implementation Program website, including certified trash capture systems available at: https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html

² EOA, Inc. 2012. *Trash Load Reduction Tracking Method*. Prepared for the Bay Area Stormwater Management Agencies Association

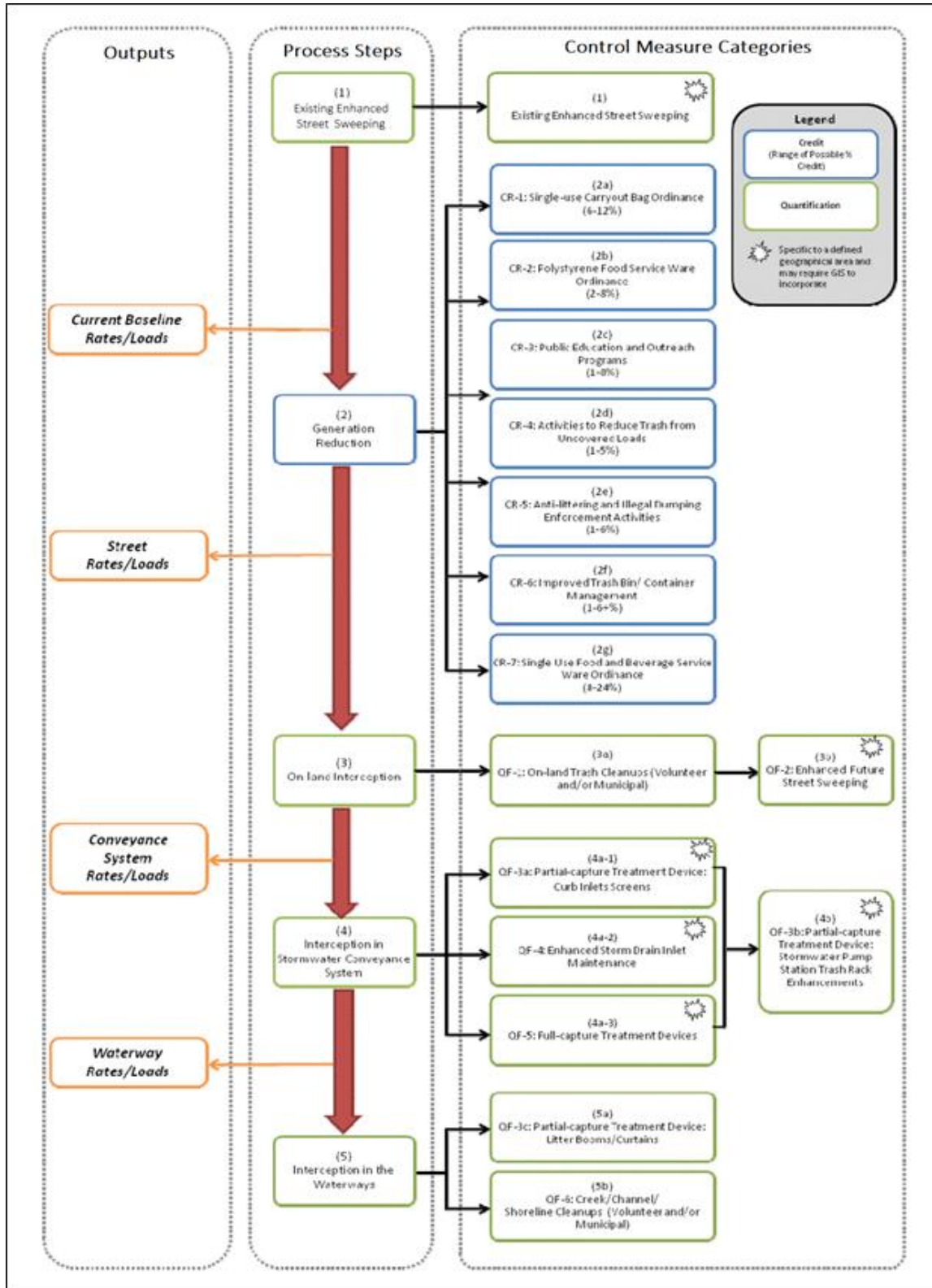


Figure 1. Trash Load Reduction Calculations Process and Outputs
 Reference: Trash Load Reduction Tracking Method, BASMAA Technical Report, February 1, 2012.

3 Implemented Institutional Controls

The Track 2 compliance approach requires “any combination of full capture systems, multi-benefit projects, other treatment controls, and/or institutional controls... that such combination achieves full capture system equivalency.” Subsections that follow discuss the City’s currently implemented institutional controls. The effectiveness of these institutional controls and associated reduction in trash generation rate is calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Methods (Figure 1). Discussion that follows is presented relative to each BASMAA control measure category. Following discussion of each institutional control, a conservative credit of reduction is provided.

3.1 Existing Controls

3.1.1 Sweeping

Through contracted services, most street sweeping routes are swept twice per month. A map of the City’s street sweeping schedule and the corresponding intervals is shown in Figure 2. Approximately equal parts of the City are swept Monday through Friday twice per month. Thus, during any given rain event, different parts of the City were swept between 7 to 14 days previously. Continuing the methodology in trash reduction in accordance with the BASMAA approach, the conservative trash reduction from street sweeping remains at 32% (as previously presented in the City’s Implementation Plan).

Credit: 32% effective reduction

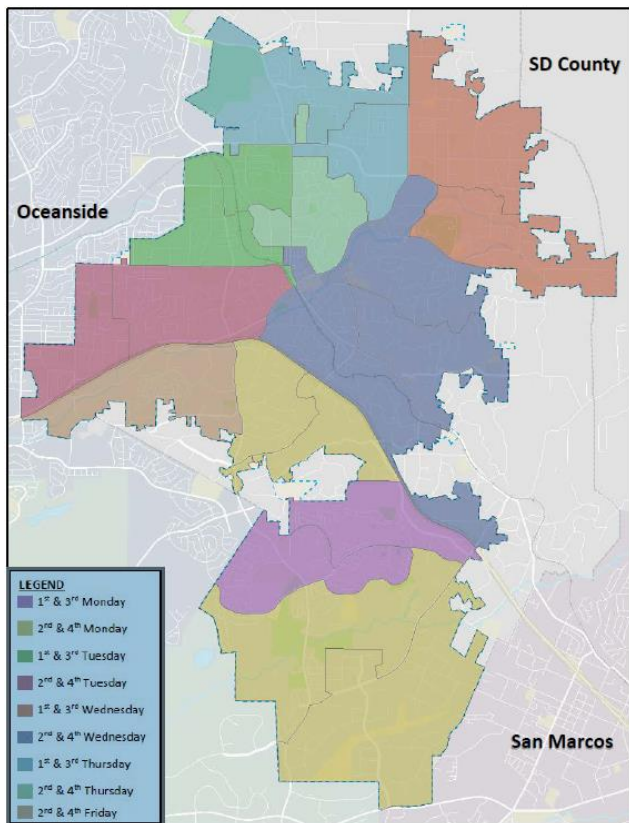


Figure 2. Street Sweeping Schedule

3.2 Generation Reduction

3.2.1 Plastic Bag Ban Ordinance

The statewide Single-Use Carryout Bag Ban (SB270/Proposition 67) prohibits most grocery stores, large retail stores, pharmacies, convenience stores, and liquor stores from providing their customers with bags designed for single use only, unless the bags are made with recycled paper. Instead, stores must provide customers with reusable grocery bags or with recycled paper bags and must charge at least 10 cents for each bag. The ban on plastic bags is believed to have a substantial impact on reducing trash accumulation within inlets, streets, and sidewalks. The BASMAA methodology lists the conservative effectiveness of a single-use carryout bag ordinance as 6%. Based on effective date of SB270 and Proposition 67 predating the Trash Order effective date, at this time, the City has conservatively elected to exclude this credit from the compliance calculation.

Credit: Excluded

3.2.2 Polystyrene Food Service Ware Ordinance

On June 22, 2021, Vista Municipal Code Chapter 11.04 'Polystyrene Plastics Reduction' was enacted. By no later than July 1, 2023, no food service provider in the city, nor City facilities, shall distribute food service ware products made of polystyrene with prepared food. The effectiveness of this institutional control will be evaluated in the future, following education, outreach, and any necessary enforcement to local businesses.

Credit: Excluded

3.2.3 Public Outreach

The City produces and distributes stormwater pollution prevention outreach materials addressing trash pollution through, but not limited to, the following activities:

- Distribution in variety of media (brochures, social media, newsletters, magazine to residents, public information kiosks, and website)
- Educational booths at special events
- Compliance inspections at businesses and facilities
- Promoting and hosting volunteer trash cleanup events

A summary of outreach and education activities from the previous reporting period can be found in the City's *Jurisdictional Runoff Management Program Annual Report, Section 8, Public Education and Outreach*. Education materials are also provided on the City website: www.cityofvista.com/stormwater. The City is applying the most conservative credit in the methodology for trash reduction through public education and outreach in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.4 Tarp Your Load

South Vista Communities, a collection of homeowner associations and residential areas south of CA-78 continued to share stormwater pollution prevention messages in their monthly newsletter. Six different pollution prevention infographics were included with newsletters, including the "Tarp Your Load" message (informing to secure loads when hauling in trucks to prevent roadside trash and litter).

The City is applying the most conservative credit in the methodology for trash reduction from uncovered loads in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.5 Anti-littering and Illegal Dumping Enforcement Activities

Through the Vista Municipal Code (VMC), the City maintains legal authority to initiate enforcement and require corrective actions to resolve violations. VMC chapters related to solid waste, trash, debris, and illicit discharges include but are not limited to:

- Chapter 13.16 Solid Waste Management
- Chapter 8.36.040 B. Substandard Property Conditions
- Chapter 13.18.045 Watercourse Protection
- Chapter 13.18.050 Discharge Prohibitions

City enforcement officers have authority to issue warnings, notice(s) of violation, and administrative citations. The City is applying the most conservative credit in the methodology for trash reduction from anti-littering and illegal dumping enforcement in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.6 Improved Trash Bin/Container Management

The City contracts with a waste hauler, EDCO, to provide enhanced trash management at City owned bus-stops. One-hundred twenty-two (122) trash bins were maintained to reduce trash associated with these public transit PLU areas. The City is applying the most conservative credit in the methodology for enhanced trash bin/container management in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.7 Single-Use Plastic Service Ware Ordinance

On January 1, 2022, the City enacted Vista Municipal Code Chapter 11.08 'Single-Use Foodware Accessories and Condiments'. The chapter incorporates text from Assembly Bill No.1276 (Chapter 505, Statutes of 2021) that prohibits, with limited exceptions, distribution of single-use foodware accessories or condiments for single-use unless requested by the customer. The City is applying the most conservative credit in the methodology for a single-use food service ware ordinance in accordance with the BASMAA approach.

Credit: 8% effective reduction

3.3 On-land Interception

3.3.1 Enhanced Storm Drain Maintenance

The City's Public Works Department maintains City-owned portions of the storm drainage system. Inventoried storm drain inlets are inspected at least once annually, and maintenance or cleaning conducted as necessary. The City possesses permit authorization from environmental agencies (U.S. Army Corps of Engineers, San Diego Regional Water Quality Control Board, and California Department of Fish and Wildlife) to conduct maintenance activities at 42 open channel sites. Authorized activities are site-specific and may include removal of trash, debris, sediment, and vegetation.

3.3.2 Municipal On-land Trash Clean-up

The cleanup and removal of on-land trash is addressed through multiple approaches. Community Improvement Maintenance Workers (CIMWs) have been serving the City's "A Cleaner Vista" goal, since the fall of 2022. In 2023, the Community Improvement Team, in collaboration with Public Works, and City contractors, cleared 85 encampment areas. From July to December 2022, approximately 20 encampments were removed, and debris was cleared. The cumulative impact of the combined efforts from July 2022 to July 2023 is evident in the impressive collection of 47.63 tons of material.

On-land trash cleanup within City parks is supported by a crew of two to three workers, typically operating half-time, four to five days per week. Another similarly sized crew operates up to five days per week, focusing on the removal of trash along arterial roads in the city. Additionally, in May 2022, the city initiated a downtown ambassador program. The team of three ambassadors supports community hospitality in the Vista Village, Paseo Santa Fe, and downtown areas while assisting with removing litter and initiating maintenance requests. The ambassadors report blight and trash issues to City staff and/or through the City's Access Vista app. Currently, they work 10 am to 10 pm Wednesday through Sunday and are available by cell phone while on duty. During this reporting period, the ambassadors collected trash/debris totaling 350 trash bags.

3.3.3 Recycling/Garbage

The City contracts waste collection, disposal, and recycling through EDCO Services. Vista Municipal Code Chapter 13.16.120 specifies that residential accounts are provided containers for accumulation and disposal as follows: 1) Solid waste, 2) recyclables, and 3) green waste.

3.3.4 Caltrans Adopt-A-Highway Program

California Highway 78 (SR-78) is an east-west traffic corridor that bisects the city. Caltrans administers an Adopt-A-Highway Program that provides the opportunity for individuals, organizations, or businesses to help maintain sections of roadside within California's State Highway System. In addition to the aesthetic benefits of cleaner and more beautiful roadsides, participants help prevent potential pollutants from entering local waterways. Status of active adoptions specific to SR-78 is illustrated in Figure 3 and is available at: <https://d11gis.maps.arcgis.com/> Approximately eleven miles (5.4 miles each direction) of SR-78 are within the City's municipal boundaries including twelve on/off ramps. Caltrans has active adoptions for the eleven miles and all twelve on/off ramp locations.

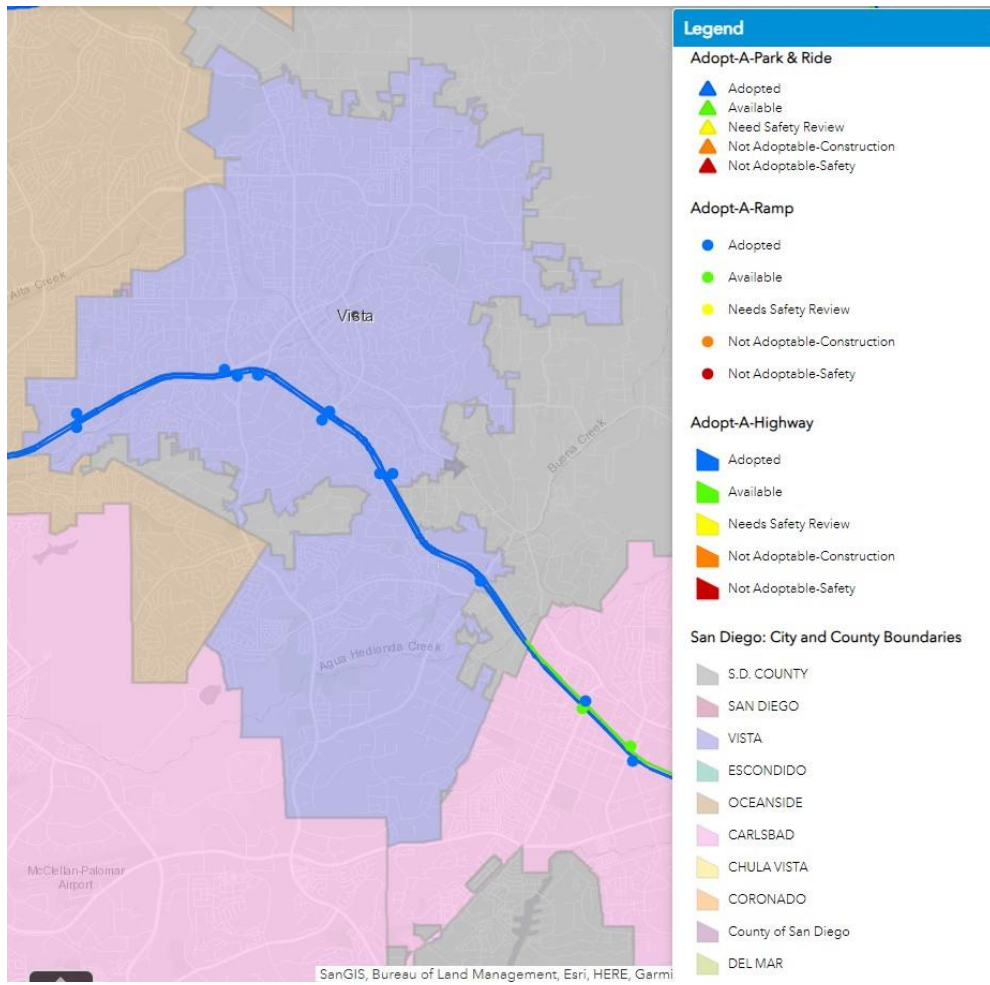


Figure 3. Caltrans Adopt-A-Highway Status in Vicinity of Vista
 Reference: <https://d11gis.maps.arcgis.com/>

3.3.5 Hazardous Waste Disposal

The City has a dedicated Household Hazardous Waste and E-waste drop-off facility open to residents on most weekends. In FY 2022-23, 6,713 carloads visited the facility, eliminating 434,337 pounds of potentially hazardous material from the municipal waste stream. Hazardous wastes and electronic wastes collected includes, but is not limited to, fluorescent light bulbs, household cleaners and chemicals, paint, automotive fluids, and batteries. On June 10, 2023 , the City and partner organizations hosted a document shredding and electronic waste collection event. During the event, 10,200 pounds of paper and 9,760 pounds of e-waste were collected.

3.3.6 Bulky Waste Items

The City contracts with EDCO to provide waste collection services. The collection of bulky waste items, such as mattresses, appliances, and furniture, is offered to residents for a nominal fee. This fee can be avoided for Vista residents by using an EDCO-provided free disposal coupon found in the EDCO Environmental Times flyer mailed to each home. Recyclable bulky items may be dropped off free of charge at designated buyback centers. Roll-off bins and dumpsters can be requested by customers.

3.3.7 Storm Drain Markers

To increase public awareness about preventing pollutants from entering the storm drain system, placards or markers are maintained on city-owned storm drain inlets.



BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
03-044-1	FloGard Plus (FGP -48CI, FGP24CI)	03-044-1 - North side of Silver Drive at entrance into subdivision	2.0	0.0	0%
03-044-2	FloGard Plus (FGP -48CI, FGP24CI)	03-044-2 - South side of Silver Drive at entrance into subdivision	2.0	0.0	0%
08-009-1	FloGard Plus (FGP-48, FGP24)	08-009-1 - West side of tennis courts, on east side of driveway	17.3	0.0	0%
COVLIB-2	FloGard Plus (FGP-12F)	COVLIB-2 - Vista Library. Central parking lot area, small inlet at corner of parking island	1.0	1.0	100%
COVLIB-3	FloGard Plus (FGP-48, FGP24)	COVLIB-3 - Vista Library. Southern parking lot area, curb inlet near Eucalyptus	1.0	1.0	100%
08-028-8	FloGard Perk Filter System vault, 6 cartridges	08-028-8 - Civic Center west parking lot, near walkway between buildings	3.1	0.9	29%
09-001-1	Catch Basin filter inlet with oil absorbent media	09-001-1 - Vista Sports Park. Main parking lot, adjacent to soccer fields	1.5	1.5	100%
09-001-2	Catch Basin filter inlet with oil absorbent media	09-001-2 - Vista Sports Park. Main parking lot, adjacent to baseball fields	4.0	4.0	100%
09-001-3	Catch Basin filter inlet with oil absorbent media	09-001-3 - Vista Sports Park. Main driveway before entering parking lot, adjacent to caretaker house	3.1	3.1	100%
99-019-1	Contech CDS Hydrodynamic Separator (CDS 5042)	99-019-1 - Near beginning of creek walk, south side of Buena Vista channel. At edge of pavement.	7.5	7.5	100%
99-019-2	FloGard Plus (FGP-1836F)	99-019-2 - Wave Water Park entrance, storage garage driveway	2.8	2.8	100%
99-019-3	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-3 - Olive Ave/Vista Village Drive, in parking lot southwest corner	1.0	1.0	100%
99-019-4	Contech CDS Hydrodynamic Separator (CDS 5050)	99-019-4 - Access road along concrete channel behind Burger King, enter at Wave Dr.	25.4	12.7	50%
99-019-5	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-5 - Olive Ave, immediately south of Goetting Way	3.2	2.2	69%
99-019-6	FloGard Plus (FGP-48)	99-019-6 - North side of Lado de Loma, behind Staples	31.2	18.7	60%
99-019-7	FloGard Plus (FGP-48)	99-019-7 - South side of Lado de Loma, entrance to Lowes	12.5	6.8	54%
99-019-8	FloGard Plus (FGP-30CI)	99-019-8 - Olive Ave, south of Goetting Wy, in front of metal building across from bus mall	0.1	0.0	40%
99-019-9	FloGard Plus (FGP-30CI)	99-019-9 - Olive Ave, south of Goetting Wy, south of metal building across from bus mall	0.1	0.0	0%
00292-1	Connector pipe screen	2435 CADES WY	3.4	2.8	83%
00291-1	Connector pipe screen	1661 S MELROSE DR	2.4	2.4	100%
00290-1	Connector pipe screen	1475 OAK DR	10.2	9.0	88%
00299-1	Bio Clean Curb Inlet Filter and oil sock	436 VISTA VILLAGE DR	7.2	4.1	57%
00296-1	Bio Clean Curb Inlet Filter and oil sock	1510 GOODWIN DR	53.6	0.0	0%
00293-1	Bio Clean Curb Inlet Filter and oil sock	1601 RUSH AVE, ON GOODWIN DR	9.0	0.0	0%
00297-1	Bio Clean Curb Inlet Filter and oil sock	1045 N SANTA FE	7.8	0.0	0%
00294-1	Bio Clean Curb Inlet Filter and oil sock	225 RUSH AVE, ON GOODWIN DR	32.2	0.0	0%
00298-1	Bio Clean Curb Inlet Filter and oil sock	1421 N SANTA FE	1.1	0.0	0%
00295-1	Bio Clean Curb Inlet Filter and oil sock	1540 GOODWIN DR	10.3	0.0	0%

BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
DWG-4517-50	Contech Hydrodynamic Separator (CDS 3030-6-C) 3.0 CFS and Storm Drain Cleanout	Terrace Dr at S Santa Fe. On Terrace	7.5	7.5	100%
DWG-4517-45	Catch Basin filter inlet with oil absorbent media	SW on S Santa Fe Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-44	Catch Basin filter inlet with oil absorbent media	SE on Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-46	Catch Basin filter inlet with oil absorbent media	NW roundabout on S Santa Fe at Guajome St	0.5	0.5	100%
CMTC21-06	Catch Basin filter inlet with oil absorbent media	Olive Ave, North of Vista Village, ROW from NTCD parking lot	0.1	0.1	100%
CMTC21-02	Catch Basin filter inlet with oil absorbent media	NW intersection of Tatum and N Melrose. On Melrose	0.8	0.0	0%
CMTC21-01	Catch Basin filter inlet with oil absorbent media	NW Spires and N Melrose on Spires	0.2	0.0	0%
CMTC21-04	Catch Basin filter inlet with oil absorbent media	N Indiana Ave, immediate north of Vista Village Dr	0.2	0.2	100%
CMTC21-05	Catch Basin filter inlet with oil absorbent media	Intersection of N Indiana Ave and Vista Village Dr, on Vista Village	2.6	2.6	100%
CMTC21-03	Catch Basin filter inlet with oil absorbent media	NW intersection of E Vista Village and Vale Terrace. On Vale Terrace.	20.2	3.3	16%
DWG-4597-27	Bio Clean Model #BO-RGISB, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., south side of roundabout	0.0	0.0	0%
DWG-4597-28	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., west side of roundabout	0.0	0.0	0%
DWG-4597-26	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Drive, east side of roundabout	0.1	0.0	0%

TOTAL 289.2 96.8

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

DITCH THE DIRT!

How you can prevent soil erosion:



Stabilize any bare soil or unvegetated areas with mulch, gravel, or type of vegetation.

Don't discharge mud or dirt from your property to storm drains.

Use temporary solutions such as sand bags or other soil stabilizers until a permanent alternative takes place.

Don't over irrigate areas with little to no vegetation.

Exposed bare soil is easily swept away by rain, transporting runoff with dirt, debris, and pollutants to storm drains and local creeks.



cityofvista.com/stormwater

¡OLVÍDATE DE LA TIERRA!

Cómo se puede prevenir la erosión del suelo:



Estabilice el suelo descubierto o áreas sin vegetación con mantillo, grava, o tipo de vegetación.

No descargue tierra o lodo a los drenajes pluviales.

Utilice soluciones temporales como bolsas de arena o otros estabilizadores de suelo hasta que un método alternativo permanente tiene lugar.

No riegue en exceso las áreas con poca o ninguna vegetación.


El suelo descubierto es fácilmente barrido por la lluvia, y transporta la tierra, escombros y contaminantes en escurrimiento de agua a los drenajes pluviales y arroyos locales.



cityofvista.com/stormwater

RECREATION VEHICLE (RV) USER Know Before You Go...



You can keep pollutants, like bacteria, out of our waterways by using RV dump stations.



Tips for proper disposal:

- ✓ Secure both ends of the hose before opening tank valve.
- ✓ Do not leave hose unattended while dumping.
- ✓ Tightly close valves when dumping is complete.
- ✓ Only rinse spills toward the dump station inlet pipe.
- ✓ Have dry clean-up materials on hand for spills.

When you enjoy the environment, help protect it by using RV dump stations to keep pollutants out of our local waterways. To find dump stations or more resources, visit Stormwater at (www.cityofvista.com/Stormwater) or call Water Quality Hotline: 760-643-2804



cityofvista.com/stormwater

USUARIO DE VEHÍCULO RECREATIVO (VR) Ten En Cuenta...

Se debe mantener los contaminantes, como bacterias, fuera de nuestras vías fluviales con el uso de estaciones de descarga de VR.



Consejos para eliminación adecuada:

- ✓ Asegure ambos lados de la manguera antes de abrir la válvula del tanque.
- ✓ No deje la manguera desatendida mientras descarga.
- ✓ Cierre las válvulas cuando haya terminado la descarga.
- ✓ Solo enjuague los derrames hacia la tubería de la estación de descarga.
- ✓ Tenga a mano materiales secos para limpieza de derrames.

Cuando disfrute del medio ambiente, ayude a protegerlo con el uso de estaciones de descarga de vehículos recreativos para mantener los contaminantes fuera de nuestras vías fluviales locales. Para encontrar estaciones de descarga o más recursos, visite Stormwater en (www.cityofvista.com/Stormwater) o llame a la línea directa de calidad del agua: 760-643-2804



DITCH THE DIRT!

Prevent Exposed Soil and Erosion

DO:

- ✓ Minimize the amount of exposed soil.
- ✓ Cover bare slopes with plants or mulch to prevent soil erosion.
- ✓ Cover and contain exposed soils until covered permanently.



DON'T:

- ✗ Leave disturbed soil unprotected.
- ✗ Discharge dirt or mud to the storm drain system.
- ✗ Over irrigate areas with little to no vegetation.



For additional information,
scan this QR code or call
760-643-2804



RV USERS

KNOW BEFORE YOU GO...



Use an RV dump station to keep pollutants out of the outdoors.



For additional information,
scan this QR code or call
760-643-2804



**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM – City of Vista, San Luis Rey WMA
ANNUAL REPORT FORM**

FY 2022-23

I. COPERMITTEE INFORMATION	
Copermittee Name: City of Vista, CW-270704, WDID 9 000510S17	
Copermittee Primary Contact Name: Ken Knatz, Sewer Engineering Division Manager	
Copermittee Primary Contact Information: Address: 200 Civic Center Drive	
City: Vista	County: San Diego
Telephone: 760-643-5416	Fax: 760-639-6112
State: CA	Zip: 92084
Email: kknatz@cityofvista.com	
II. LEGAL AUTHORITY	
Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE	
Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board? <i>NOTE: Voluntary JRMP document update completed.</i>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM	
Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Number of non-storm water discharges reported by the public	0
Number of non-storm water discharges detected by Copermittee staff or contractors	1
Number of non-storm water discharges investigated by the Copermittee	1
Number of sources of non-storm water discharges identified	1
Number of non-storm water discharges eliminated	1
Number of sources of illicit discharges or connections identified	1
Number of illicit discharges or connections eliminated	1
Number of enforcement actions issued	1
Number of escalated enforcement actions issued	0
V. DEVELOPMENT PLANNING PROGRAM	
Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Number of proposed development projects in review	6
Number of Priority Development Projects in review	5
Number of Priority Development Projects approved	0
Number of approved Priority Development Projects exempt from any BMP requirements	0
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	0
Number of completed Priority Development Projects in inventory	11
Number of high priority Priority Development Project structural BMP inspections	37
Number of Priority Development Project structural BMP violations	8
Number of enforcement actions issued	6
Number of escalated enforcement actions issued	0

FY 2022-2023

VI. CONSTRUCTION MANAGEMENT PROGRAM					
Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?	YES	<input checked="" type="checkbox"/>			
	NO	<input type="checkbox"/>			
Number of construction sites in inventory		4			
Number of active construction sites in inventory		1			
Number of inactive construction sites in inventory		3			
Number of construction sites closed/completed during reporting period		0			
Number of construction site inspections		29			
Number of construction site violations		7			
Number of enforcement actions issued		4			
Number of escalated enforcement actions issued		0			
VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM					
Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?	YES	<input checked="" type="checkbox"/>			
	NO	<input type="checkbox"/>			
		Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory		3	22	2	2
Number of existing development inspections		3	20	2	0
Number of follow-up inspections		0	0	0	0
Number of violations		0	0	0	0
Number of enforcement actions issued		0	0	0	0
Number of escalated enforcement actions issued		0	0	0	0
<small>**See Attachment A for description of revised property-based inspections at Industrial & Commercial facilities**</small>					
VIII. PUBLIC EDUCATION AND PARTICIPATION					
Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	YES	<input checked="" type="checkbox"/>			
	NO	<input type="checkbox"/>			
Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?	YES	<input checked="" type="checkbox"/>			
	NO	<input type="checkbox"/>			
IX. FISCAL ANALYSIS					
Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?	YES	<input checked="" type="checkbox"/>			
	NO	<input type="checkbox"/>			

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



 Signature

GREG MAYER

 Print Name

760-639-6111

 Telephone Number

January 10, 2024

 Date

DIRECTOR OF ENGINEERING

 Title

GMAYER@CITYOFVISTA.COM

 Email

Attachment A.

**Jurisdictional Runoff Management Program Annual Report – San Luis Rey WMA:
Supplemental Information**

Information provided in this attachment supplements data presented in the Jurisdictional Runoff Management Program Annual Report Form. Each section that follows is presented in order of program element as identified in the form.

1 Copermittee Information

The City of Vista’s (City) jurisdictional area resides within two Watershed Management Areas (WMAs), the Carlsbad WMA and the San Luis Rey WMA (SLR WMA; Table 1-1).

Table 1-1. City of Vista Jurisdictional Area within Watershed Management Areas

Watershed Management Area	Watershed Area	Vista Jurisdictional Area	Vista Jurisdictional Area Within Watershed
Carlsbad	135,000 acres	11,251 acres	8.3 percent
San Luis Rey	360,000 acres	771 acres	0.2 percent
<i>City of Vista Total</i>		<i>12,022 acres</i>	

As required by the San Diego region municipal stormwater permit (MS4 Permit; San Diego Region Water Quality Control Board, Order No. R9-2013-0001), program activities conducted in these two WMAs are summarized in separate annual reports. This report summarizes activities conducted within the SLR WMA.

2 Legal Authority

The City maintained and implemented legal authority within its jurisdiction consistent with the San Diego region municipal stormwater permit through Vista Municipal Code (VMC) Chapter 13.18, *Stormwater Management and Discharge Control Program*. VMC Chapter 13.18 was adopted by Vista City Council on June 9, 2015, with most recent editorial revisions made on September 23, 2016. The City’s municipal and development codes are available at:

<https://www.cityofvista.com/city-services/city-departments/community-development/municipal-development-codes>

3 Jurisdictional Runoff Management Program Document Update

The City’s JRMP document was updated to reflect the following program improvements:

- Updated municipal facility existing development inventory (JRMP Appendix J).
- Transition from a business-based approach to industrial/commercial existing development inspections, to an onsite property-based inspection approach (JRMP Section 6).

A red-line revision to the document was posted on the City’s website:

<https://www.cityofvista.com/departments/engineering/water-quality-protection/watersheds>

A link to the above City website page is also available from the Project Clean Water clearinghouse website at:

www.projectcleanwater.org

4 Illicit Discharge Detection and Elimination Program

Sections 4 through 7 summarize jurisdictional program activities, presented in order of program components listed in Sections IV through VII of the Annual Report Form. Note that multiple violations can be identified through one enforcement action, or one violation may result in multiple enforcement

actions; therefore, in the Annual Report Form, the total number of enforcement actions does not equal the number of violations observed.

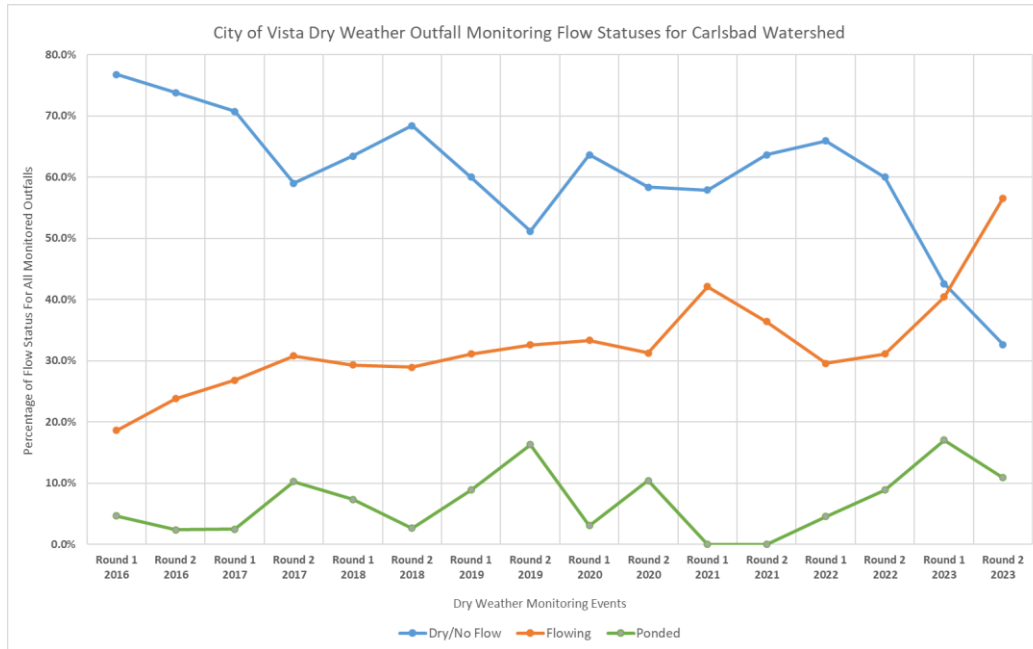
Illicit Discharge Detection and Elimination (IDDE) activities are summarized in Section IV on the Annual Report Form. One illicit discharge-related compliance case was initiated for investigation of non-stormwater discharges through Illicit Discharge Detection and Elimination activities within the SLR WMA. This case resulted in one enforcement action (written warning) due to irrigation runoff as a prohibited discharge.

The City's "Report It" tool is available on the City of Vista homepage (www.cityofvista.com), with similar reporting functions in the *AccessVista* smartphone application. The tools are available for anyone to report concerns in the city. During the reporting period, city-wide, 332 public inquiries were logged regarding stormwater pollution, drainage, irrigation runoff, and debris/trash/dumping. This is 30 more inquiries than the previous reporting period. Inquiries can result in resolution on site, creation of work orders, and/or enforcement cases. As a result, while all inquiries are responded to, not all result in enforcement cases as reported in Section IV of the Annual Report Form.

Major outfall inspections and analytical sampling were conducted in support of IDDE activities. Four major outfalls are inventoried in the SLR WMA. During the reporting period, each of these outfalls was inspected twice. With summary of findings as follows:

- Outfall SLR-01: Flow rate of approximately 20 gallons per minute (gpm) was observed during the first inspection, and a flow rate of 40 gpm was observed during the second inspection. Flow rates were higher than those observed in recent history (approximately 1 gpm), which may be reflective of the abnormally high rainfall in the 2022-23 winter and previously suspected groundwater contributions. Field measurements were taken and samples collected for laboratory analysis.
- Outfall SLR-02: Outfall was dry during both inspections.
- Outfall SLR-03: Outfall was ponded with standing water during both inspections. Due to lack of persistent flow, samples were not collected.
- Outfall SLR-04: Outfall was ponded with standing water during both inspections. Due to lack of persistent flow, samples were not collected.

Citywide, there was an increase in the observed number of outfalls exhibiting flow or ponded conditions. This is believed to be associated with the excessively wet 2022-23 rainy season (October – April; Figure 1). The National Weather Service San Diego office reported approximately 21.58 inches of rainfall during this period, exceeding the average of 13.39 inches by over 8 inches. Areas of elevated groundwater and springs were present in Vista in preceding years during drought conditions, and additional areas were observed during this reporting period correlating to excessive rainfall that occurred.



4.1 Homelessness

The City’s *Strategic Plan to Address Homelessness* (March 2020) continued to utilize a three-pronged approach, blending services, resources, and enforcement to address the following primary goals: 1) Prevent Homelessness, 2) Improve Quality of Life, and 3) Reduce Homelessness. Since October 2020, the City of Vista has accomplished the following milestones while supporting people experiencing homelessness in our community:

- 128 unsheltered individuals have been placed in emergency shelters for a total of 7,327 nights.
- 532 unduplicated unsheltered individuals have been enrolled for continuing services with outreach workers.
- 96 households at risk of becoming homeless have received over \$334,483 in emergency assistance to prevent homelessness.
- Over \$3 million dollars have been invested in direct services to support people experiencing homelessness.

The Strategic Plan and updated resources regarding people experiencing homelessness can be found on the Housing Division webpage (<https://www.cityofvista.com/city-services/housing-homeless-services>).

Following an award of a \$1.8 million grant in March 2022, the City began planning to focus these resources in addressing encampments in a biological preserve overlay area in the vicinity of Buena Vista Creek. The City was one of 18 agencies to be awarded the demonstration grant from the State of California Interagency Council on Homelessness.

In January 2023, the City initiated a contract for Safe Parking Services. The Safe Parking Program opened August 2023, which provides onsite, wraparound services focused on basic needs assistance, employment, family wellness, school success, financial education, credit repair, and most importantly, a return to housing.

The City maintained a work group consisting of staff from severable organizations such as the COPPS Unit of the Sheriff's Department, the San Diego County Department of Homeless Solutions, the Regional Task Force on Homelessness, PATH, Alpha Project, Jewish Family Services, and Exodus Recovery, and City staff (City Manager's Office, Engineering, Code Enforcement, Recreational, City Attorney's Office and Public Works). These representatives met regularly to coordinate activities, align resources, and distribute information within the region. The work group seeks to improve internal and external communications on addressing homelessness and has driven enforcement activity to better address homeless encampments by coordinating efforts with social workers, the COPPS unit, and city divisions. Additionally, the City has engaged in legislative advocacy and is in initial discussions to regionally address legislation in support of identifying resources and streamlining processes to strengthen resources for our unsheltered community.

Strategies and activities to address homelessness in the City of Vista are focused where encampments tend to establish, such as in the vicinity of the urban core and in landscaped open spaces where encampments may be hidden from public view. In addition to services provided by partner agencies to prevent and reduce homelessness, activities occur to reduce potential sources of pollutants from encampments. Since 2020, 777 encampments were removed from public right of ways to abate homelessness and encampment debris, which resulted in the elimination of over 91 tons of trash.

4.2 Trash Order Track 2 Implementation

San Diego Region Water Quality Control Board Order No. R9-2017-0077 (Trash Order) requires progressive reduction of the trash loading each year until full compliance with the trash discharge prohibition is achieved no later than December 2, 2030. The City has limited Priority Land Uses within the SLR WMA where the Trash Order is applicable. City activities for trash abatement are guided by its Track 2 implementation plan. Track 2 utilizes a combination of structural and non-structural (e.g., institutional or programmatic) controls for demonstrating compliance with the trash discharge prohibition order. The FY 2022-23 Trash Order Implementation Plan Annual Report is provided in Attachment B.

5 Development Planning Program

Development Planning Program activities are summarized in Section V on the Annual Report Form. Note that multiple violations can be identified on one enforcement action; therefore, in the Annual Report Form, the total number of enforcement actions does not equal the number of violations observed.

There are 11 Priority Development Project (PDP) sites completed (inventoried) in the SLR WMA, consisting of 57 individual structural Best Management Practices (BMPs). During the reporting period, 37 BMPs were inspected at nine PDP sites. Six written warnings were issued through compliance cases as a result of the inspections.

The City completed targeted updates to its *BMP Design Manual* during the FY2021-22 reporting period. Comprehensive revisions to the manual were initiated during the reporting period and are anticipated to be completed in FY 2023-24. When completed, the manual will be included with the Carlsbad WMA WQIP annual report and posted on the City's website (and linked from the Project Clean Water clearinghouse website).

6 Construction Management Program

Construction Management Program activities are summarized in Section VI on the Annual Report Form. There were four inventoried construction sites in the SLR WMA. Three of these sites remained inactive. Twenty-nine inspections were conducted, resulting in seven observed violations and four enforcement actions.

7 Existing Development Management Program

Existing development inspections and enforcement actions are summarized in Section VII of the Annual Report Form.

7.1 Existing Development Facility Inspections

Municipal Facilities

All three inventoried municipal facilities in the SLR WMA were inspected, consisting of two parks and a fire station. No violations were observed.

Commercial Facilities

In March 2022, the City transitioned to a property-based approach to conducting commercial and industrial facility inspections. To ensure that all inventoried businesses were inspected at least once every five years (MS4 Permit Provision E.5.c), inventoried properties were inspected during this reporting period if *any of the businesses on that property* had not been inspected in the preceding five years. This approach resulted in a significant increase in facility inspections, however this approach ensured that the inspection frequency required by the MS4 Permit was fulfilled.

In the property-based approach, the commercial facility inventory consists of sites, inclusive of common areas, that contain businesses operating with either commercial or industrial activities. Of the 22 inventoried commercial sites (properties), 20 inspections were conducted. Through these site inspections, observations were conducted at 47 commercial businesses and no violations were reported.

Industrial Facilities

Consistent with the current MS4 Permit, industrial facilities are distinguished separately from commercial facilities. The inventory of industrial facilities is defined as businesses operating with an active state-issued Industrial General Permit (IGP), as designated by the State Water Resources Control Board's (SWRCB) Stormwater Multiple Application and Report Tracking System (SMARTS). These industrial facilities are inspected individually, regardless of whether they reside within a commercial site as described above. During the reporting period, both inventoried industrial facilities within the SLR WMA were inspected and no violations were reported.

Residential Facilities

Two Residential Management Areas (RMAs) were inventoried in the SLR WMA. Both were inspected during the reporting period and no violations were reported.

7.2 Municipal Activities

The sanitary sewer system in Vista's portion of the SLR WMA is operated by the City and is a small portion of the Vista Sanitation District service area. Routine sanitary sewer maintenance activities continued and are guided by a Sewer System Management Plan. During the reporting period the plan was revised with updates to the Spill Emergency Response Plan. Highlights of municipal activities conducted to prevent sanitary sewer overflows include:

- Conducted closed-circuit television (CCTV) of the sewer system per the National Association of Sewer Service Companies (NASSCO) standards. During FY 2022-23, 9,574 linear feet of sewer main were inspected in the sub-area tributary to the San Luis Rey River basin. No defects of concern related to exfiltration or repair needs were identified on any of the CCTV segments.
- District-wide maintenance activities included
 - 20.5 miles of sanitary sewer inspected (such as by CCTV)
 - 189.9 miles of sewer cleaned
 - 60 feet of sewer line repairs/maintenance
- No private sewer lateral overflows and no public sewer system overflows occurred in the SLR WMA

The inventory of Food Service Establishments (FSEs) within both the Vista and Buena Sanitation Districts was updated, and nine FSEs were identified in the SLR WMA. FSEs are inspected for compliance with Fats Oils and Grease (FOG) requirements. Inspections were prioritized in district areas outside of the SLR WMA, therefore none of the nine FSEs in the SLR WMA were inspected during this reporting period. When inspections are conducted, FSEs are provided a 'FOG binder' containing materials such as logs for maintenance and training, grease hauler list, and additional resources. These resources were updated and are also available at: www.cityofvista.com/fightFOG

Additional citywide pollution prevention activities included the following highlights:

- Inventoried storm drain inlets were inspected at least once, and maintenance or cleaning was conducted as necessary.
- Conducted street sweeping, with high and moderate debris-rated roadways being swept twice per month and low debris rated roadways being swept monthly.
- Maintained 122 trash bins at bus stops and high-use pedestrian areas.
- Continued support of 13 certified oil collection centers within the city. Used oil collection centers recovered approximately 25,475 gallons of oil.
- Collected 10,200 pounds of paper and 9,760 pounds of e-waste during a document shredding and e-waste collection event on June 10, 2023.
- Continued to promote and operate the Household Hazardous Waste facility that serves the member cities of Carlsbad, Encinitas, Escondido, Solana Beach, and San Marcos. During the reporting period, 6,713 carloads visited the facility, diverting 434,337 pounds of potentially hazardous material from the municipal waste stream.

7.3 Senate Bill 205 Requirements

Stormwater Engineering and Business License staff continued to coordinate the implementation of Senate Bill 205 (SB 205) requirements, providing notification to applicable businesses to obtain coverage

through the state-issued IGP. When applying or reapplying for a business license, applicants with an applicable Standard Industrial Classification (SIC) code completed a Stormwater Supplemental Questionnaire to demonstrate compliance with SB 205 requirements. An informational letter regarding SB 205 requirements was distributed as part of the business license renewal program. Through this process, citywide, 34 businesses were reported as IGP non-filers to the San Diego Regional Water Quality Control Board.

8 Public Education and Outreach

Tables 8-1 and 8-2 summarize citywide education and outreach activities during the reporting period. Highlights of citywide activities included the following:

- Regularly promoted targeted pollution prevention activities via infographics posted on the City's social media outlets (Facebook, Instagram, Nextdoor, and Twitter), which were also displayed at key downtown kiosks.
- Developed two new pollution prevention infographics and posters (provided in Attachment C).
- Continued to maintain and update the City's stormwater webpage (www.cityofvista.com/stormwater) with pollution prevention resources for residents and businesses.
- Distributed multiple targeted pollution prevention messages through the City's employee Newsletter, city's E-Newsletter, and Our Vista Magazine (distributed to residents and businesses).
- Coordinated with South Vista Communities HOA to include pollution prevention infographics in their newsletters to residents, and promote events (e.g., volunteer clean-ups and infographics).
- Maintained City staff involvement with the regional stormwater education and outreach workgroup with meetings throughout the year. A region-wide behavior change marketing campaign was conducted for preventing trash pollution and management of pet waste.
- Provided pollution prevention fact sheets and information to landscapers and pool maintenance contractors that operate in the city.
- Hosted outreach and education booths at three large special events in the city, including the Summer Fun Festival (July 2022), City Hall Trick-or-Treat (October 2022), and Vista Strawberry Festival (May 2023).
- Hosted multiple (March, May, June) pet waste educational booths at two parks that experience heavy use by dog walkers.
- Distributed wet weather preparation notices to grading permitted sites at the beginning of the rainy season.
- Distributed septic system maintenance fact sheet and informational letter to 570 property owners likely to have a system on site.

Table 8-1. Summary of Citywide Outreach Events

Outreach Opportunity	Description	Dates
Green Machine & Splash Science Lab	In-person science education support for San Diego County Office of Education’s Green Machine and Splash Science Lab activities with school-aged children in the Vista Unified School District.	Multiple dates, 32 classes, 672 students
Cleanup Events	Promoted and supported volunteer trash cleanup events with I Love a Clean San Diego’s annual Coastal Cleanup Day and Creek to Bay cleanup at Buena Vista Creek Trail.	September 17, 2022 and April 22, 2023
Our Vista Magazine	Promote “Keep it Neat. Shut the Lid”, “Are You Ready for Rain,” “Do your doody scoop the Poop” messages and The Clean-up Event.	Winter 2022, Fall 2022, and Summer 2023
Our Vista Magazine	Promote Christmas tree recycling program and sites to Vista Residents.	December 2022 – January 2023
City of Vista e-News Blast to Residents	Promoted “Holiday Recycling Tips You Can Follow” message.	December 2022
Vista Strawberry Festival, Halloween event, Fun Festival	Distribute pollution prevention education material such as posters, flyers, and BMP brochures.	May 08, 2023, October 2022, and July 2022
Pet waste booth	Distribute pollution prevention education materials such as posters and flyers. Also, doggy bags at the City’s dog parks.	March, May, and June, 2023
Class visit	Provided a water quality presentation for Murray High School students at Duck Pond.	April 2023
Document Shredding and e-waste Event	Shredding and electronic waste collection event at Civic Center. 610 cars visited the event with drop-offs equaling 9,760 pounds of e-waste and 10,200 pounds of paper.	June 10, 2023
Septic system notification letter	Distributed Septic System Maintenance fact sheet and notification letter to 570 property owners likely to have a system on site.	June 2023
HOA and Property Managers Presentations	Prepared two pollution prevention educational presentations for residents, HOAs, and property managers, which is also available on the City’s YouTube page.	June 2023
South Vista Communities Newsletter	“Keep it neat, Shut the lid”, “Trap Your Load”, “Irrigation Runoff”, “Do Your Doody, Scoop The Poop”, “Are You Ready For Rain”, “FOG” infographics, and promotion of clean up events.	Throughout FY 2022-23
Spotlight Newsletter	Promote “How to Discharge Pool Water”, “Water quality Tips”, “Are You Ready for Rain”, and “Too Toxic to Trash”. .	Throughout FY 2022-23
Public information kiosks at downtown	Promoted “Good Housekeeping Tips”, “Keep it Neat. Shut the Lid”, “Irrigation Runoff”, and “Ditch the Dirt” on the public information kiosks downtown.	Throughout FY 2022-23
Social Media messages	Recurring posting of pollution prevention messages on City social media outlets (i.e., Twitter, Facebook, Instagram).	Throughout FY 2022-23

Table 8-2. Summary of Municipal Education Activities

Workshop/Training	Audience	Attendees	Location	Dates
CASQA - Annual Conference	Stormwater Professionals	2	Palm Spring	October 2022
Public Works Annual Stormwater Training	Public Works and Stormwater Staff	48	Vista	June 2023
Stormwater Requirements Building Training	Building Division Staff	8	Vista	June 2023
Construction Inspections Training	Inspection Staff	11	Vista	May 2023
Fats, Oil, and Grease Training for Municipal Facilities	Multiple Divisions	16	Vista	November and June 2022
An Annual Update on the State of California Stormwater	Stormwater staff	3	Virtual Training	January 2023
Agriculture Operations, Inspections, and Pollution Prevention Training	Stormwater staff	4	Virtual Training	June 2023

9 Fiscal Analysis

Fiscal information provided in this section is presented jurisdiction-wide, not distinguished between the two watersheds, Carlsbad WMA and San Luis Rey WMA. The City’s Jurisdictional Runoff Management Program continued to be primarily funded through a combination of both the Enterprise Fund and General Fund (Table 9-1). Expenditures for FY 2022-23 are summarized in Table 9-2.

Table 9-1. Summary of Funding Sources

Source	Funding
General Fund	\$ 1,480,517
Enterprise Fund	\$ 2,654,760
Special Assessment District	\$ 123,395
Grant Funds	\$ 42,790
TOTAL PROGRAM FUNDING	\$ 4,301,462

Table 9-2. Summary of Expenditures

	Program Component	Expenditures
Jurisdictional		
	Administration	\$ 379,516
	Development Planning	\$ 481,307
	Construction	\$ 966,648
	Municipal	\$ 1,994,597
	Industrial-Commercial	\$ 87,339
	Residential	\$ 10,246
	IDDE	\$ 153,149
	Public Education & Participation	\$ 76,067
	Subtotal - Jurisdictional	\$ 4,148,869
Watershed		
	Carlsbad and San Luis Rey WMAs	\$ 110,312
	Administration and Labor	\$ 21,342
	Subtotal - Watershed	\$ 131,654
Regional		
	Copermittee Cost Share	\$ 15,542
	Administration and Labor	\$ 5,397
	Subtotal - Regional	\$ 20,939
TOTAL PROGRAM EXPENDITURES		\$ 4,301,462

Attachment B.

Trash Order Implementation Plan Fiscal Year 2022-23 Annual Report

City of Vista
Trash Order Implementation
Fiscal Year 2022-23 Annual Report

Contents

- 1 Introduction3**
 - 1.1 Regulatory Background3
 - 1.2 Implementation Strategy3
 - 1.3 Progress Toward Trash Reduction Goal3
- 2 Summary of Control Measures4**
 - 2.1 Trash Order Drainage Master Plan4
 - 2.2 Baseline Trash Generation and Annual Reduction Goal4
 - 2.3 Structural Controls - Summary5
 - 2.4 Institutional Controls - Summary5
- 3 Implemented Institutional Controls7**
 - 3.1 Existing Controls7
 - 3.1.1 Sweeping7
 - 3.2 Generation Reduction8
 - 3.2.1 Plastic Bag Ban Ordinance8
 - 3.2.2 Polystyrene Food Service Ware Ordinance8
 - 3.2.3 Public Outreach9
 - 3.2.4 Tarp Your Load9
 - 3.2.5 Anti-littering and Illegal Dumping Enforcement Activities9
 - 3.2.6 Improved Trash Bin/Container Management10
 - 3.2.7 Single-Use Plastic Service Ware Ordinance10
 - 3.3 On-land Interception10
 - 3.3.1 Enhanced Storm Drain Maintenance10
 - 3.3.2 Municipal On-land Trash Clean-up10
 - 3.3.3 Recycling/Garbage10
 - 3.3.4 Caltrans Adopt-A-Highway Program11
 - 3.3.5 Hazardous Waste Disposal12
 - 3.3.6 Bulky Waste Items12
 - 3.3.7 Storm Drain Markers12

Tables

- Table 1. Baseline Trash Generation Rates4
- Table 2. City of Vista PLU Generation Rates and Trash Reduction Goal5
- Table 3. Trash Capture Device Summary5

Figures

- Figure 1. Trash Load Reduction Calculations Process and Outputs7
- Figure 2. Street Sweeping Schedule8
- Figure 3. Caltrans Adopt-A-Highway Status in Vicinity of Vista11

1 Introduction

This report has been prepared to fulfill annual reporting requirements of San Diego Regional Water Quality Control Board Order No. R9-2017-0077 (Trash Order), summarizing City of Vista (City) implementation activities for Fiscal Year 2022-23 (July 1, 2022 - June 30, 2023). This is Year 4 of the 10-year implementation period, which is expected to achieve full compliance no later than December 2, 2030.

1.1 Regulatory Background

The State Water Resources Control Board (SWRCB) adopted Resolution No. 2015-0019 (Trash Amendments) on April 7, 2015. On June 2, 2017, the San Diego Regional Water Quality Control Board issued the Trash Order, establishing regional requirements in support of the state-wide Trash Amendments. The Trash Order requires agencies, like the City, to comply with the trash narrative water quality objective and discharge prohibition through implementation of one of two selected measures, or tracks. The City chose its compliance pathway through Track 2, as described below.

1.2 Implementation Strategy

In November 2018, the City submitted a Track 2 Implementation Plan (Plan) to the San Diego Regional Water Quality Control Board. To demonstrate compliance with Track 2 of the Trash Order, the City is required to implement the following:

- Install, operate, and maintain any combination of full-capture systems, multi-benefit projects, other treatment controls, and/or institutional controls within either the jurisdiction of the MS4 permittee or within the jurisdiction of the MS4 permittee and contiguous MS4 permittees.
- Determine the locations or land uses within its jurisdiction to implement any combination of controls.
- Demonstrate that such combination achieves full-capture system equivalency.
- Determine which controls to implement to achieve compliance with full-capture system equivalency that is not cost-prohibitive to install (per expectations of the SWRCB).

The Plan describes the combination of structural and non-structural (e.g., institutional, or programmatic) controls the City anticipates will demonstrate compliance with the Trash Order. The Plan and additional related resources are available at: www.cityofvista.com/CMTC

1.3 Progress Toward Trash Reduction Goal

The City continued to demonstrate progress toward the selected Track 2 compliance strategy by implementing a combination of both structural and institutional (e.g., programmatic) controls. Currently, 3% of the City's total PLU area is being treated by structural controls. Institutional controls implemented over the reporting period included, but were not limited to, multiple on-land trash cleanup activities, ordinances to address single use plastics and polystyrene, and conducting outreach activities. Through use of the Trash Load Reduction Tracking Method (see Section 2.4 and Section 3) for these activities, the City has applied a conservative credit of 44% to the annual trash reduction goal.

2 Summary of Control Measures

2.1 Trash Order Drainage Master Plan

To support fulfilling requirements of the Trash Order, in early 2021, the City contracted services to prepare a Trash Order Drainage Master Plan. Objectives of the plan are to:

1. Compile high resolution geospatial data for Priority Land Uses (PLUs) identified in the Trash Order and develop a comprehensive Geographic Information System (GIS) inventory of the storm drain system,
2. Conduct drainage assessments to estimate flow conveyance capacities draining to PLU areas, and
3. Identify a list of capital improvement program projects to meet remaining trash load reduction requirements.

These objectives will help optimize the location and size of future trash capture device installations. Efficiencies can be realized through consolidation of devices and consideration of long-term monitoring and maintenance requirements.

The following activities were accomplished during the reporting period:

- Completed targeted editing and updates to the City’s storm drain geospatial dataset. Dataset completeness and system connectivity was improved by conducting over 13,000 edits, including asset additions, removals, relocations, and attribute updates. Migration of the dataset to existing City GIS is planned for FY 2023-24.
- Identified 31 locations for potential installation of regional or sub-regional structural trash capture devices, where trash may captured from larger drainage areas, such as storm drain main line pipes or laterals.
- Feasibility analysis of four regional structural trash capture devices for consideration in future Capital Improvement Program planning.
- Prepared draft final plan, with completion anticipated in FY 2023-24

2.2 Baseline Trash Generation and Annual Reduction Goal

Section 2 of the City’s Track 2 Implementation Plan describes baseline trash generation rates for PLUs and the annual trash reduction goal for full-capture compliance. The rates are summarized here and will be updated in future annual reports as necessary. Table 1 presents baseline trash-generation rates for land uses, based on a regional study of multiple sites throughout San Diego County. Applying these trash generation rates to land use in Vista, the baseline annual trash load-reduction goal was calculated to be 11,130 gallons/year. Table 2 summarizes this calculation.

Table 1. Baseline Trash Generation Rates

Land Use Category	No. of Sites in the County	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Mean Weight-Based Trash Generation Rates (pounds/acre/year) ¹
Commercial	11	6	0.95
High Density Residential	10	2.5	0.48

Industrial	14	2.6	0.66
------------	----	-----	------

¹Source: "Regional Trash Generation Rates for Priority Land Uses in San Diego County" (May 2018)

Table 2. City of Vista PLU Generation Rates and Trash Reduction Goal

Priority Land Use Category	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Total Acres ²	Total Reduction (gallons/year)
Commercial	6.0	720	4320
High Density Residential	2.5	940	2,350
Mixed Urban	3.7	410	1,517
Industrial	2.6	1,060	2,756
Public Transit	3.7	50	185
Total Area	-	3,180	11,130

¹Rates for Commercial, Industrial, and High-Density Residential PLUs provided by "Regional Trash Generation Rates for Priority Land Uses in San Diego County". Mixed Urban and Public Transportation Stations PLU rates calculated using an average of Commercial, Industrial, and High-Density Residential.

²Acres calculated using City GIS data for PLU Acreage. Rounded to the nearest acre.

2.3 Structural Controls - Summary

The State Water Resources Control Board maintains a list of certified trash full capture systems that satisfy requirements of the Trash Amendments.¹ Forty-one (41) trash-capture devices (structural controls) are installed in the City-owned storm drain inlets or catch basins that are identified as full capture certified. During this reporting period, three devices were installed through construction of a new roundabout at the intersection of S. Santa Fe Avenue and Pala Vista Drive. The 41 devices treat approximately 96.8 acres or 3.0% of the City's total PLU area (Table 3).

Table 3. Trash Capture Device Summary

Priority Land Use Area (acres)	Number of Trash Capture Devices	Priority Land Use Area Treated by Devices (acres)	Percentage of Priority Land Use Area Treated by Devices
3,180	41	96.8	3.0%

Strategic installation of additional trash capture devices will proceed following completion of the trash order drainage master plan (see Section 2.1). Currently installed devices are identified in a Geographic Information System (GIS) and have been incorporated into the City's maintenance schedule. Devices are scheduled for inspection and maintenance, as necessary, on a quarterly basis by a combination of City staff and contractors. Details for each of the 41 currently installed devices is provided in *Appendix A: Structural Control Devices*.

2.4 Institutional Controls - Summary

The City implements a variety of institutional control measures (programmatic activities) to reduce trash generation. The effectiveness of these institutional controls and associated reduction in trash generation has been calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Method² (Figure 1). As described in Section 4,

¹ State Water Resources Control Board Trash Implementation Program website, including certified trash capture systems available at: https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html

² EOA, Inc. 2012. *Trash Load Reduction Tracking Method*. Prepared for the Bay Area Stormwater Management Agencies Association

the City has implemented components for each of the tracking methods identified. A conservative credit of 44% is being applied toward the annual trash reduction goal through implementation of these institutional controls.

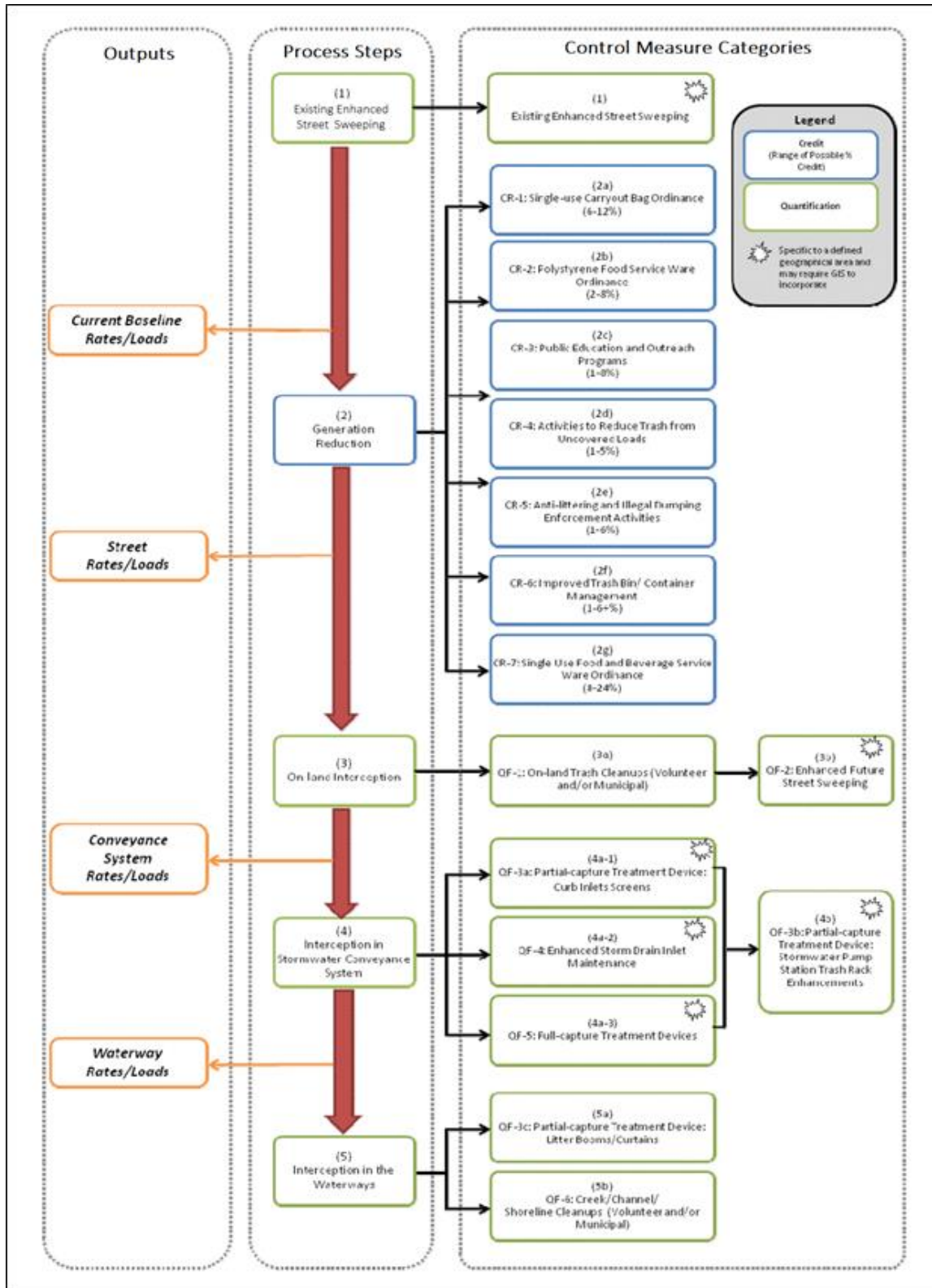


Figure 1. Trash Load Reduction Calculations Process and Outputs
Reference: Trash Load Reduction Tracking Method, BASMAA Technical Report, February 1, 2012.

3 Implemented Institutional Controls

The Track 2 compliance approach requires “any combination of full capture systems, multi-benefit projects, other treatment controls, and/or institutional controls... that such combination achieves full capture system equivalency.” Subsections that follow discuss the City’s currently implemented institutional controls. The effectiveness of these institutional controls and associated reduction in trash generation rate is calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Methods (Figure 1). Discussion that follows is presented relative to each BASMAA control measure category. Following discussion of each institutional control, a conservative credit of reduction is provided.

3.1 Existing Controls

3.1.1 Sweeping

Through contracted services, most street sweeping routes are swept twice per month. A map of the City’s street sweeping schedule and the corresponding intervals is shown in Figure 2. Approximately equal parts of the City are swept Monday through Friday twice per month. Thus, during any given rain event, different parts of the City were swept between 7 to 14 days previously. Continuing the methodology in trash reduction in accordance with the BASMAA approach, the conservative trash reduction from street sweeping remains at 32% (as previously presented in the City’s Implementation Plan).

Credit: 32% effective reduction

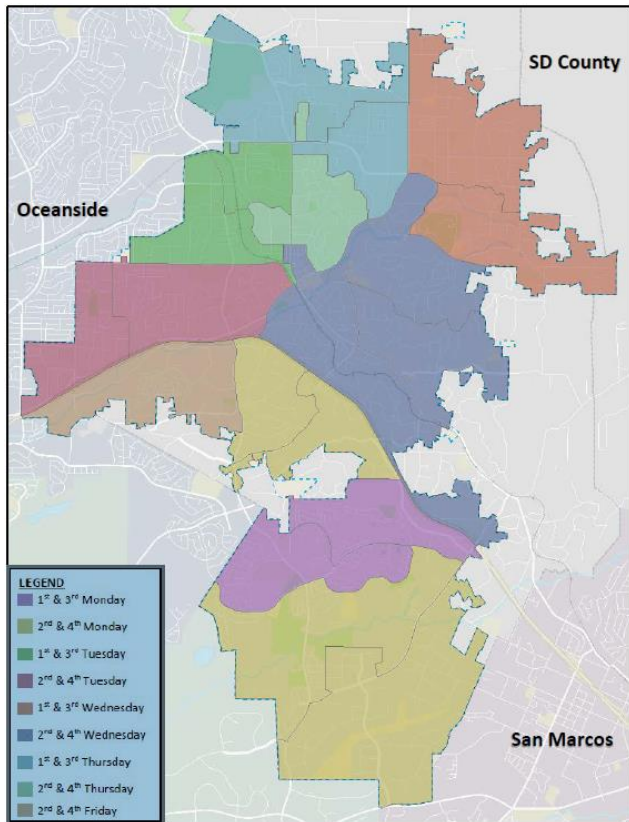


Figure 2. Street Sweeping Schedule

3.2 Generation Reduction

3.2.1 Plastic Bag Ban Ordinance

The statewide Single-Use Carryout Bag Ban (SB270/Proposition 67) prohibits most grocery stores, large retail stores, pharmacies, convenience stores, and liquor stores from providing their customers with bags designed for single use only, unless the bags are made with recycled paper. Instead, stores must provide customers with reusable grocery bags or with recycled paper bags and must charge at least 10 cents for each bag. The ban on plastic bags is believed to have a substantial impact on reducing trash accumulation within inlets, streets, and sidewalks. The BASMAA methodology lists the conservative effectiveness of a single-use carryout bag ordinance as 6%. Based on effective date of SB270 and Proposition 67 predating the Trash Order effective date, at this time, the City has conservatively elected to exclude this credit from the compliance calculation.

Credit: Excluded

3.2.2 Polystyrene Food Service Ware Ordinance

On June 22, 2021, Vista Municipal Code Chapter 11.04 'Polystyrene Plastics Reduction' was enacted. By no later than July 1, 2023, no food service provider in the city, nor City facilities, shall distribute food service ware products made of polystyrene with prepared food. The effectiveness of this institutional control will be evaluated in the future, following education, outreach, and any necessary enforcement to local businesses.

Credit: Excluded

3.2.3 Public Outreach

The City produces and distributes stormwater pollution prevention outreach materials addressing trash pollution through, but not limited to, the following activities:

- Distribution in variety of media (brochures, social media, newsletters, magazine to residents, public information kiosks, and website)
- Educational booths at special events
- Compliance inspections at businesses and facilities
- Promoting and hosting volunteer trash cleanup events

A summary of outreach and education activities from the previous reporting period can be found in the City's *Jurisdictional Runoff Management Program Annual Report, Section 8, Public Education and Outreach*. Education materials are also provided on the City website: www.cityofvista.com/stormwater. The City is applying the most conservative credit in the methodology for trash reduction through public education and outreach in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.4 Tarp Your Load

South Vista Communities, a collection of homeowner associations and residential areas south of CA-78 continued to share stormwater pollution prevention messages in their monthly newsletter. Six different pollution prevention infographics were included with newsletters, including the "Tarp Your Load" message (informing to secure loads when hauling in trucks to prevent roadside trash and litter).

The City is applying the most conservative credit in the methodology for trash reduction from uncovered loads in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.5 Anti-littering and Illegal Dumping Enforcement Activities

Through the Vista Municipal Code (VMC), the City maintains legal authority to initiate enforcement and require corrective actions to resolve violations. VMC chapters related to solid waste, trash, debris, and illicit discharges include but are not limited to:

- Chapter 13.16 Solid Waste Management
- Chapter 8.36.040 B. Substandard Property Conditions
- Chapter 13.18.045 Watercourse Protection
- Chapter 13.18.050 Discharge Prohibitions

City enforcement officers have authority to issue warnings, notice(s) of violation, and administrative citations. The City is applying the most conservative credit in the methodology for trash reduction from anti-littering and illegal dumping enforcement in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.6 Improved Trash Bin/Container Management

The City contracts with a waste hauler, EDCO, to provide enhanced trash management at City owned bus-stops. One-hundred twenty-two (122) trash bins were maintained to reduce trash associated with these public transit PLU areas. The City is applying the most conservative credit in the methodology for enhanced trash bin/container management in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.7 Single-Use Plastic Service Ware Ordinance

On January 1, 2022, the City enacted Vista Municipal Code Chapter 11.08 'Single-Use Foodware Accessories and Condiments'. The chapter incorporates text from Assembly Bill No.1276 (Chapter 505, Statutes of 2021) that prohibits, with limited exceptions, distribution of single-use foodware accessories or condiments for single-use unless requested by the customer. The City is applying the most conservative credit in the methodology for a single-use food service ware ordinance in accordance with the BASMAA approach.

Credit: 8% effective reduction

3.3 On-land Interception

3.3.1 Enhanced Storm Drain Maintenance

The City's Public Works Department maintains City-owned portions of the storm drainage system. Inventoried storm drain inlets are inspected at least once annually, and maintenance or cleaning conducted as necessary. The City possesses permit authorization from environmental agencies (U.S. Army Corps of Engineers, San Diego Regional Water Quality Control Board, and California Department of Fish and Wildlife) to conduct maintenance activities at 42 open channel sites. Authorized activities are site-specific and may include removal of trash, debris, sediment, and vegetation.

3.3.2 Municipal On-land Trash Clean-up

The cleanup and removal of on-land trash is addressed through multiple approaches. Community Improvement Maintenance Workers (CIMWs) have been serving the City's "A Cleaner Vista" goal, since the fall of 2022. In 2023, the Community Improvement Team, in collaboration with Public Works, and City contractors, cleared 85 encampment areas. From July to December 2022, approximately 20 encampments were removed, and debris was cleared. The cumulative impact of the combined efforts from July 2022 to July 2023 is evident in the impressive collection of 47.63 tons of material.

On-land trash cleanup within City parks is supported by a crew of two to three workers, typically operating half-time, four to five days per week. Another similarly sized crew operates up to five days per week, focusing on the removal of trash along arterial roads in the city. Additionally, in May 2022, the city initiated a downtown ambassador program. The team of three ambassadors supports community hospitality in the Vista Village, Paseo Santa Fe, and downtown areas while assisting with removing litter and initiating maintenance requests. The ambassadors report blight and trash issues to City staff and/or through the City's Access Vista app. Currently, they work 10 am to 10 pm Wednesday through Sunday and are available by cell phone while on duty. During this reporting period, the ambassadors collected trash/debris totaling 350 trash bags.

3.3.3 Recycling/Garbage

The City contracts waste collection, disposal, and recycling through EDCO Services. Vista

Municipal Code Chapter 13.16.120 specifies that residential accounts are provided containers for accumulation and disposal as follows: 1) Solid waste, 2) recyclables, and 3) green waste.

3.3.4 Caltrans Adopt-A-Highway Program

California Highway 78 (SR-78) is an east-west traffic corridor that bisects the city. Caltrans administers an Adopt-A-Highway Program that provides the opportunity for individuals, organizations, or businesses to help maintain sections of roadside within California's State Highway System. In addition to the aesthetic benefits of cleaner and more beautiful roadsides, participants help prevent potential pollutants from entering local waterways. Status of active adoptions specific to SR-78 is illustrated in Figure 3 and is available at: <https://d11gis.maps.arcgis.com/> Approximately eleven miles (5.4 miles each direction) of SR-78 are within the City's municipal boundaries including twelve on/off ramps. Caltrans has active adoptions for the eleven miles and all twelve on/off ramp locations.

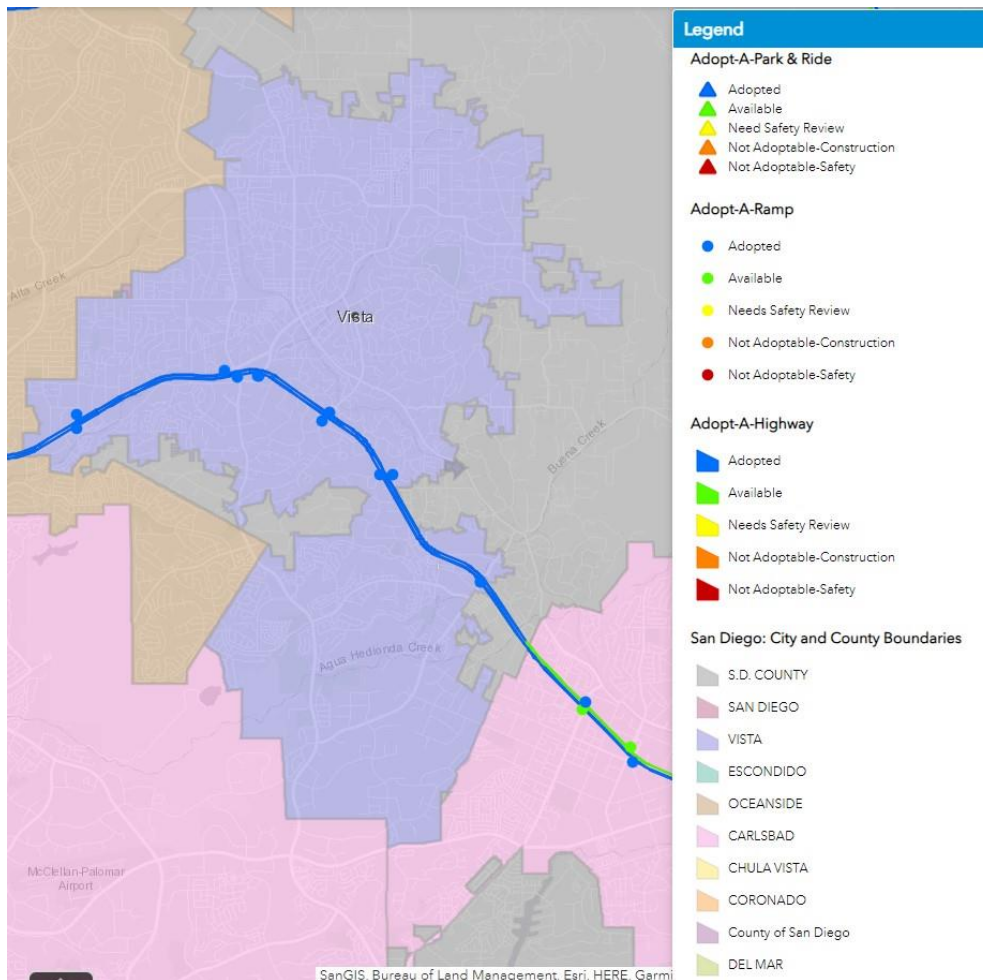


Figure 3. Caltrans Adopt-A-Highway Status in Vicinity of Vista
Reference: <https://d11gis.maps.arcgis.com/>

3.3.5 Hazardous Waste Disposal

The City has a dedicated Household Hazardous Waste and E-waste drop-off facility open to residents on most weekends. In FY 2022-23, 6,713 carloads visited the facility, eliminating 434,337 pounds of potentially hazardous material from the municipal waste stream. Hazardous wastes and electronic wastes collected includes, but is not limited to, fluorescent light bulbs, household cleaners and chemicals, paint, automotive fluids, and batteries. On June 10, 2023 , the City and partner organizations hosted a document shredding and electronic waste collection event. During the event, 10,200 pounds of paper and 9,760 pounds of e-waste were collected.

3.3.6 Bulky Waste Items

The City contracts with EDCO to provide waste collection services. The collection of bulky waste items, such as mattresses, appliances, and furniture, is offered to residents for a nominal fee. This fee can be avoided for Vista residents by using an EDCO-provided free disposal coupon found in the EDCO Environmental Times flyer mailed to each home. Recyclable bulky items may be dropped off free of charge at designated buyback centers. Roll-off bins and dumpsters can be requested by customers.

3.3.7 Storm Drain Markers

To increase public awareness about preventing pollutants from entering the storm drain system, placards or markers are maintained on city-owned storm drain inlets.



BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
03-044-1	FloGard Plus (FGP -48CI, FGP24CI)	03-044-1 - North side of Silver Drive at entrance into subdivision	2.0	0.0	0%
03-044-2	FloGard Plus (FGP -48CI, FGP24CI)	03-044-2 - South side of Silver Drive at entrance into subdivision	2.0	0.0	0%
08-009-1	FloGard Plus (FGP-48, FGP24)	08-009-1 - West side of tennis courts, on east side of driveway	17.3	0.0	0%
COVLIB-2	FloGard Plus (FGP-12F)	COVLIB-2 - Vista Library. Central parking lot area, small inlet at corner of parking island	1.0	1.0	100%
COVLIB-3	FloGard Plus (FGP-48, FGP24)	COVLIB-3 - Vista Library. Southern parking lot area, curb inlet near Eucalyptus	1.0	1.0	100%
08-028-8	FloGard Perk Filter System vault, 6 cartridges	08-028-8 - Civic Center west parking lot, near walkway between buildings	3.1	0.9	29%
09-001-1	Catch Basin filter inlet with oil absorbent media	09-001-1 - Vista Sports Park. Main parking lot, adjacent to soccer fields	1.5	1.5	100%
09-001-2	Catch Basin filter inlet with oil absorbent media	09-001-2 - Vista Sports Park. Main parking lot, adjacent to baseball fields	4.0	4.0	100%
09-001-3	Catch Basin filter inlet with oil absorbent media	09-001-3 - Vista Sports Park. Main driveway before entering parking lot, adjacent to caretaker house	3.1	3.1	100%
99-019-1	Contech CDS Hydrodynamic Separator (CDS 5042)	99-019-1 - Near beginning of creek walk, south side of Buena Vista channel. At edge of pavement.	7.5	7.5	100%
99-019-2	FloGard Plus (FGP-1836F)	99-019-2 - Wave Water Park entrance, storage garage driveway	2.8	2.8	100%
99-019-3	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-3 - Olive Ave/Vista Village Drive, in parking lot southwest corner	1.0	1.0	100%
99-019-4	Contech CDS Hydrodynamic Separator (CDS 5050)	99-019-4 - Access road along concrete channel behind Burger King, enter at Wave Dr.	25.4	12.7	50%
99-019-5	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-5 - Olive Ave, immediately south of Goetting Way	3.2	2.2	69%
99-019-6	FloGard Plus (FGP-48)	99-019-6 - North side of Lado de Loma, behind Staples	31.2	18.7	60%
99-019-7	FloGard Plus (FGP-48)	99-019-7 - South side of Lado de Loma, entrance to Lowes	12.5	6.8	54%
99-019-8	FloGard Plus (FGP-30CI)	99-019-8 - Olive Ave, south of Goetting Wy, in front of metal building across from bus mall	0.1	0.0	40%
99-019-9	FloGard Plus (FGP-30CI)	99-019-9 - Olive Ave, south of Goetting Wy, south of metal building across from bus mall	0.1	0.0	0%
00292-1	Connector pipe screen	2435 CADES WY	3.4	2.8	83%
00291-1	Connector pipe screen	1661 S MELROSE DR	2.4	2.4	100%
00290-1	Connector pipe screen	1475 OAK DR	10.2	9.0	88%
00299-1	Bio Clean Curb Inlet Filter and oil sock	436 VISTA VILLAGE DR	7.2	4.1	57%
00296-1	Bio Clean Curb Inlet Filter and oil sock	1510 GOODWIN DR	53.6	0.0	0%
00293-1	Bio Clean Curb Inlet Filter and oil sock	1601 RUSH AVE, ON GOODWIN DR	9.0	0.0	0%
00297-1	Bio Clean Curb Inlet Filter and oil sock	1045 N SANTA FE	7.8	0.0	0%
00294-1	Bio Clean Curb Inlet Filter and oil sock	225 RUSH AVE, ON GOODWIN DR	32.2	0.0	0%
00298-1	Bio Clean Curb Inlet Filter and oil sock	1421 N SANTA FE	1.1	0.0	0%
00295-1	Bio Clean Curb Inlet Filter and oil sock	1540 GOODWIN DR	10.3	0.0	0%

BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
DWG-4517-50	Contech Hydrodynamic Separator (CDS 3030-6-C) 3.0 CFS and Storm Drain Cleanout	Terrace Dr at S Santa Fe. On Terrace	7.5	7.5	100%
DWG-4517-45	Catch Basin filter inlet with oil absorbent media	SW on S Santa Fe Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-44	Catch Basin filter inlet with oil absorbent media	SE on Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-46	Catch Basin filter inlet with oil absorbent media	NW roundabout on S Santa Fe at Guajome St	0.5	0.5	100%
CMTC21-06	Catch Basin filter inlet with oil absorbent media	Olive Ave, North of Vista Village, ROW from NTCD parking lot	0.1	0.1	100%
CMTC21-02	Catch Basin filter inlet with oil absorbent media	NW intersection of Tatum and N Melrose. On Melrose	0.8	0.0	0%
CMTC21-01	Catch Basin filter inlet with oil absorbent media	NW Spires and N Melrose on Spires	0.2	0.0	0%
CMTC21-04	Catch Basin filter inlet with oil absorbent media	N Indiana Ave, immediate north of Vista Village Dr	0.2	0.2	100%
CMTC21-05	Catch Basin filter inlet with oil absorbent media	Intersection of N Indiana Ave and Vista Village Dr, on Vista Village	2.6	2.6	100%
CMTC21-03	Catch Basin filter inlet with oil absorbent media	NW intersection of E Vista Village and Vale Terrace. On Vale Terrace.	20.2	3.3	16%
DWG-4597-27	Bio Clean Model #BO-RGISB, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., south side of roundabout	0.0	0.0	0%
DWG-4597-28	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., west side of roundabout	0.0	0.0	0%
DWG-4597-26	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Drive, east side of roundabout	0.1	0.0	0%

TOTAL 289.2 96.8

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

DITCH THE DIRT!

How you can prevent soil erosion:



Stabilize any bare soil or unvegetated areas with mulch, gravel, or type of vegetation.

Don't discharge mud or dirt from your property to storm drains.

Use temporary solutions such as sand bags or other soil stabilizers until a permanent alternative takes place.

Don't over irrigate areas with little to no vegetation.

Exposed bare soil is easily swept away by rain, transporting runoff with dirt, debris, and pollutants to storm drains and local creeks.




¡OLVÍDATE DE LA TIERRA!

Cómo se puede prevenir la erosión del suelo:



Estabilice el suelo descubierto o áreas sin vegetación con mantillo, grava, o tipo de vegetación.

No descargue tierra o lodo a los drenajes pluviales.

Utilice soluciones temporales como bolsas de arena o otros estabilizadores de suelo hasta que un método alternativo permanente tiene lugar.


No riegue en exceso las áreas con poca o ninguna vegetación.

El suelo descubierto es fácilmente barrido por la lluvia, y transporta la tierra, escombros y contaminantes en escurrimiento de agua a los drenajes pluviales y arroyos locales.




RECREATION VEHICLE (RV) USER Know Before You Go...



You can keep pollutants, like bacteria, out of our waterways by using RV dump stations.



Tips for proper disposal:

- ✓ Secure both ends of the hose before opening tank valve.
- ✓ Do not leave hose unattended while dumping.
- ✓ Tightly close valves when dumping is complete.
- ✓ Only rinse spills toward the dump station inlet pipe.
- ✓ Have dry clean-up materials on hand for spills.

When you enjoy the environment, help protect it by using RV dump stations to keep pollutants out of our local waterways. To find dump stations or more resources, visit Stormwater at (www.cityofvista.com/Stormwater) or call Water Quality Hotline: 760-643-2804

USUARIO DE VEHÍCULO RECREATIVO (VR) Ten En Cuenta...

Se debe mantener los contaminantes, como bacterias, fuera de nuestras vías fluviales con el uso de estaciones de descarga de VR.



Consejos para eliminación adecuada:

- ✓ Asegure ambos lados de la manguera antes de abrir la válvula del tanque.
- ✓ No deje la manguera desatendida mientras descarga.
- ✓ Cierre las válvulas cuando haya terminado la descarga.
- ✓ Solo enjuague los derrames hacia la tubería de la estación de descarga.
- ✓ Tenga a mano materiales secos para limpieza de derrames.

Cuando disfrute del medio ambiente, ayude a protegerlo con el uso de estaciones de descarga de vehículos recreativos para mantener los contaminantes fuera de nuestras vías fluviales locales. Para encontrar estaciones de descarga o más recursos, visite Stormwater en (www.cityofvista.com/Stormwater) o llame a la línea directa de calidad del agua: 760-643-2804



DITCH THE DIRT!

Prevent Exposed Soil and Erosion

DO:

- ✓ Minimize the amount of exposed soil.
- ✓ Cover bare slopes with plants or mulch to prevent soil erosion.
- ✓ Cover and contain exposed soils until covered permanently.



DON'T:

- ✗ Leave disturbed soil unprotected.
- ✗ Discharge dirt or mud to the storm drain system.
- ✗ Over irrigate areas with little to no vegetation.



For additional information,
scan this QR code or call
760-643-2804



RV USERS

KNOW BEFORE YOU GO...



Use an RV dump station to keep pollutants out of the outdoors.



For additional information,
scan this QR code or call
760-643-2804

