Regional Phase I MS4 NPDES Permit
Order No. R4-2021-0105
NPDES No. CAS004004

Watershed Management Program Progress Report Form
Reporting Period [1/1/2025-6/30/2025]

Watershed Management Program Name	Machado Lake
Participating Permittee(s)	Torrance
Date of Watershed Management Program Progress Report	12/15/2025
Initial Approval Date of Watershed Management Program (according to Table 12 or Part IX.G.3 of the Order)	4/28/2023; 8/6/2024

Note that Permittees will not be able to propose modifications to their WMP in the Watershed Management Program Progress Report Form. Any modification(s) shall be requested in writing explaining the nature of the proposed modification and justification for consideration by the Los Angeles Water Board [*Order – IX.C and IX.E.2*].

2.2 Complete the required certification below *[Attachment D – V.B.5]*.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering

accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of either a principal executive officer, ranking elected official, or by a duly authorized representative of a principal executive officer or ranking elected official. A person is a duly authorized representative only if:

a. The authorization is made in writing by a principal executive officer or ranking elected official.
b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
c. The written authorization is submitted to the Regional Board.

If an authorization of a duly authorized representative is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization will be submitted to the Regional Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

Signature 

Title CITY ENGINEER

Date 12/5/25

1.1 **Watershed Control Measure Milestone Progress**. Summarize the progress on all Watershed Control Measure requirements and dates for their achievement (milestones) identified in your WMP that were required to be achieved by the end of this Reporting Period. The milestones for specific projects may be reported as cumulative number of projects to be implemented (e.g., "Recipes for Compliance"; installation of prescribed volume of BMP capacity by a certain date; Percent Load Reduction of bacteria pollutant by a certain date), cumulative storm volume addressed[1] by control measures (e.g., LID, new/re-development projects, regional projects), or other metric. However, progress must be reported as percent completion of the selected milestone metric. If any milestones were not achieved, give a clear description of the action/milestone, explain the delay in control measure implementation, and provide the revised action/milestone. The summary must also include a list of (a) Permittees and non-Permittees collaborated with for achievement of milestones, (b) funding sought, (c) funding obtained, (d) technical assistance received (e.g., through the Safe Clean Water Program Watershed Area Steering Committee), (e) additional local community co-benefits such as clean streets (including, without limitation, street sweeping, litter abatement, etc.), more parks and green spaces, reduced heat island effect, reduced flooding, water supply augmentation, neighborhood beautification, and job creation, and (f) other co-benefits and resources accruing to disadvantaged communities as identified on CalEnviroScreen[2]. The format for this item is a text box but you are encouraged to provide this information in an appropriate format as an attachment with spreadsheets, graphs, and/or other elements that would concisely convey the required information.

The updated City of Torrance Machado Lake Watershed Management Program (WMP) was approved by the LA Water Board Executive Officer on August 2, 2024. The WMP demonstrates that the City is achieving compliance with applicable water quality standards through control measures already implemented. Nevertheless, the LA Water Board final approval of the WMP allows the City to propose additional watershed control measures to address future water quality priorities based on new information and/or water quality issues via a standalone written request with justification.

The updated WMP utilizes more than nine (9) years of water quality monitoring data collected from the Machado Lake WMP area, consistent with the Machado Lake Nutrient and Toxics TMDLs Special Study Workplan, to evaluate water quality priorities and consider whether there is a need for additional control measures to meet water quality objectives. The existing Walteria Lake and 237th Street sump basins (completed prior to 2012) along with the Walnut Basin (completed in 2020) within the Machado Lake WMP area are 85th percentile, 24-hour capture basins that retain all runoff up to and including the storm runoff generated by the 85th percentile, 24-hour rainfall. Results of the modeling effort that supported the WMP update demonstrate with reasonable assurance that the City's basins, paired with existing source control measures implemented by the City, are effective at reducing baseline pollutant loads below the final Machado Lake Nutrient and Toxics TMDL waste load allocations and that the City is currently achieving compliance with these TMDLs. In addition, runoff from the City's Airport Southeast subarea although theoretically tributary to the P-77 storm drain outfall to Machado Lake, first drains to the Chandler Ranch/Rolling Hills Golf Course

[1] Includes the volume of water captured, infiltrated, retained, treated, diverted or otherwise addressed by a watershed control measure.
[2] https://oehha.ca.gov/calenviroscreen

Regional Project which was completed in 2018 and fully retains the 50-year storm event runoff from its tributary area, well exceeding stormwater runoff retention from the 85th%, 24-hour storm event. For that reason, no additional projects were proposed for the Airport Southeast subarea of Torrance in the updated WMP. The updated WMP includes the planned Torrance Airport Stormwater Basin Project (also known as Torrance Airport Phase II Project) to address Category 2 and potential future water quality priorities from its Machado Lake watershed area.

The City of Torrance evaluates its compliance with the Machado Lake TMDLs by monitoring storm drains located at the downstream boundary of the City's tributary drainage area to Machado Lake as described in the Machado Lake Nutrient and Toxics TMDLs Monitoring and Reporting Program. As described in the Annual Stormwater Monitoring Report for reporting year 2024-25 submitted separately, compliance monitoring included three (3) wet weather sampling events, 12 monthly dry weather sampling events, and zero (0) Walteria Lake discharge sampling events (15 total sampling events). As detailed in the Annual Stormwater Monitoring Report and summarized below and in Table 1c, monitoring conducted consistent with the City's approved Monitoring and Reporting Plan for the Machado Lake Nutrient and Toxics TMDL continued to demonstrate compliance with TMDL final waste load allocations. The three-year average calculation based on data collected in the 2022, 2023, and 2024 water years resulted in a three-year average for each pesticide of 0.27 micrograms per kilogram (µg/kg), which is below the respective waste load allocation (WLA) for each pesticide compound (5.28 µg/kg for Total DDTs, 3.24 µg/kg for Total Chlordane, and 1.9 µg/kg for Dieldrin) , and for PCBs of 0.054 µg/kg, which is below the WLA of 59.8 µg/kg. During water year 2024, the mass of total nitrogen (TN) discharged from the City was calculated to be 197.67 kg and the mass of total phosphorus (TP) discharged from the City was calculated to be 266.57 kg which are both below the City's final mass-based WLA for TN (3,008 kg), and TP (301 kg), respectively.

There were no WMP milestones required to be completed within the reporting period except to continue demonstrating compliance with all applicable final waste load allocations in the Machado Lake Watershed via direct outfall monitoring.

Details on watershed control measures completed since 2012 (i.e., responses to items a-f above), are summarized in Section 1.2 and Tables 1a and 1.2a, except for trash control measures which are reported in the individual annual reports. The status of in-progress watershed control measures is summarized in Section 1.3 and Tables 1b and 1.3a.

THE FOLLOWING TABLE IS GENERATED BY WRAMPS TO SUPPORT THE RESPONSE TO SECTION 1.1
(PLEASE ALSO SEE PROJECT-SPECIFIC EXCEL OUTPUTS GENERATED FOR SECTION 1.2a and 1.3a)

Metric		Summary for Watershed Control Measures in the Watershed Management Area	
		Completed	Planned and In Progress
Number of Watershed Control Measures Implemented		8	13
Permittees Collaborated with for Achievement of Milestones		Los Angeles County Flood Control District	Palos Verdes Estates, Rolling Hills Estates, Rancho Palos Verdes, Unincorporated LA County
Non-Permittees Collaborated with for Achievement of Milestones		State Water Resources Control Board	Federal Government, EPA
Funding Sought		$450,000.00	$19,190,402.00
Funding Obtained		$450,000.00	$22,128,402
Technical Assistance Received		Other (non-Safe, Clean Water)	Other (non-Safe, Clean Water)
Number of WCMs that Provide Co-benefits	**Clean Streets (e.g., street sweeping, litter abatement, etc.)**	3	4
	More Parks and Green Spaces	1	0
	Reduced Heat Island Effect	0	2
	Reduced Flooding	1	3
	Water Supply Augmentation	3	2
	Neighborhood Beautification	0	2
	Job Creation	0	4
	Benefits Accruing to Disadvantaged Communities (As Identified on CalEnviroScreen)	0	1

1.2 **Watershed Control Measures Completed**. Complete Table 1a, on an Excel spreadsheet. Include all watershed control measures (aside from minimum control measures specified in Part VIII of the Order) in the Watershed Management Program completed since the effective date of the Order for Ventura County Permittees, since March 28, 2014 for the City of Long Beach, and since December 28, 2012 for other Los Angeles County Permittees. This table is cumulative—i.e., the table should include all the control measures completed from the time of the aforementioned dates to the end of this reporting period. Structural control measures as well as non-structural control measures (e.g., enhanced MCMs such as incentive programs, outreach and conservation programs, etc.) should be included in this table. If information is not available for a particular field, the field should indicate "Not Applicable" (N/A) [*Order – IX*].

PLEASE SEE EXCEL ATTACHMENT TO SUPPORT RESPONSE FOR TABLE 1a.

1.2a) Additional Information. Provide additional information regarding the Watershed Control Measures completed (e.g., other compliance metrics and a list of (a) Permittees and non-Permittees collaborated with for achievement of milestones, (b) funding sought, (c) funding obtained, (d) technical assistance received (e.g., through the Safe Clean Water Program Watershed Area Steering Committee), (e) additional local community co-benefits such as clean streets (including, without limitation, street sweeping, litter abatement, etc.), more parks and green spaces, reduced heat island effect, reduced flooding, water supply augmentation, neighborhood beautification, and job creation, and (f) other co-benefits and resources accruing to disadvantaged communities as identified on CalEnviroScreen).

PLEASE SEE EXCEL ATTACHMENT TO SUPPORT RESPONSE TO SECTION 1.2a and "Completed Watershed Control Measures" below for additional information on WCMs in Table 1a and 1.2a that have been completed since December 28, 2012.

COMPLETED WATERSHED CONTROL MEASURES

REGIONAL PROJECTS

Following are short narrative summaries of regional projects completed since 2012; project details are also listed in Tables 1a & 1.2a.

Walnut Basin Phase I

The Walnut Basin Phase I Project provided a way to reclaim Walnut Basin and to restore its original function as a natural wetland and infiltration basin while removing toxins and nutrients from runoff destined for Machado Lake. Walnut Basin, located in a residential neighborhood in southeast Torrance, is about two acres in size and has the capacity to store approximately 23 acre-feet of runoff. The Project included the installation of a diversion structure in a 48 -inch storm drain adjacent to the basin. The diversion structure was sized to take dry-weather runoff and stormwater runoff from storms up to the 85th percentile storm event, while allowing runoff from larger storm events to continue down the storm drain unimpeded. The diversion structure conveys runoff to a hydrodynamic separator pre-treatment unit, where debris and sediments with medium-to-large grain sizes are removed. After passing through the pre-treatment unit, runoff enters a 48-inch reinforced concrete pipe (RCP), which was jacked into place in a narrow easement between two houses, that conveys water to Walnut Basin. Riprap was installed at the entrance to Walnut Basin to reduce the velocity of the runoff and prevent erosion. The catchment for Phase I of the Walnut Basin project is about 56 acres.

This project reduces flooding, captures stormwater, reduces pollutant loading, increases local water supply, reduces energy consumption, and provides restored habitat as can be seen by the mallards that have taken up residence in the basin. Basin stage and flow measurements made during a series of rain events during the winter of 2020-21 demonstrated the project's effectiveness in capturing and infiltrating stormwater as documented in the Phenology Study (Feb 25, 2021). The highest infiltration rate observed was 0.51 feet per day (FT/D) and occurred immediately after the first large rain event following project completion on December 27 and 28, 2020. The time-weighted average infiltration rate was observed to be 0.133 FT/D.

Chandler Ranch/Rolling Hills Golf Course Regional Project

The Chandler Ranch/Rolling Hills Country Club project was completed in 2018 through private redevelopment of the former Chandler Quarry to include a 114-new home subdivision (Chandler Ranch) and reconfigured/redeveloped the Rolling Hills

Country Club golf course and clubhouse. The golf course portion of the project was constructed on the site of the former quarry. The regional stormwater retention project features include three (3) infiltration galleries along with a pretreatment system for each gallery that consists of a suite of catch basin inserts, drainage swales, barrancas, and for the largest gallery, a biofiltration basin. The largest subsurface infiltration gallery has been designed as a regional BMP system to capture the 50-year storm runoff event from its 705.2-acre tributary area, including the Airport Southeast subarea of Torrance. This regional project well exceeds the standard for retention of the 85th percentile, 24-hour storm and is listed in Tables 1a and 1.2a of the Palos Verdes Peninsula Watershed Progress Report as DMA-1: Chandler Ranch – Rolling Hills Country Club Regional Project with Torrance listed as a participating permittee.

MULTI-YEAR SOURCE CONTROL EFFORTS

Mobile Business Tip Card (2019)

The City, in collaboration with the Beach Cities WMG and the Peninsula WMG jointly developed and disseminate a "Flow on the Go" tip card targeted at mobile businesses that generate wastewater such as auto detailers, window washers, and pet groomers as these types of businesses have been identified as potential sources of priority pollutants. The tip card covers site preparation and cleanup, spill prevention and response, storm drain inlet protection, and proper disposal of wastewater. The tip card also encourages the use of dry-cleaning methods and environmentally friendly cleaning products. While this outreach targets the mobile business sector, it also reaches residents and businesses that use these services and educates them on proper BMPs and the importance of proper waste disposal.

Small Site Construction Brochure (2017)

To ensure small construction sites within the City are implementing an effective combination of erosion and sediment control BMPs and provide a uniform set of expectations across the Beach Cities and Machado Lake WMP areas, the City disseminates a Small Site Construction brochure targeted at contractors working on construction sites less than 1-acre in disturbed area. The KEEP IT ONSITE! BMPs for Small Construction Sites brochure was jointly developed by the Beach Cities and Peninsula WMGs and is available in both English and Spanish. The brochure describes the minimum BMPs required by the MS4 Permit, including an illustration of where and how to deploy these BMPs on a residential construction site. The brochure also includes information regarding material storage and handing as well as spill prevention, clean-up, and disposal.

Updated Construction BMP Brochure (2024)

In 2024, a comprehensive update to the "KEEP IT ONSITE" Construction BMP brochure was completed to align the previous brochure aimed at small construction sites with new and re-grouped minimum BMPs in the 2021 Regional MS4 Permit, and

to reflect updated links to related regulatory requirements. The scope of the updated brochure was expanded to apply to all construction sites, regardless of size, in contrast to the previous version which only applied to sites less than 1-acre. The updated brochure is also available in English and Spanish.

South Bay Homeowner's Guide to Rainwater Harvesting

The South Bay Homeowner's Guide to Rainwater Harvesting introduces residential rainwater harvesting and covers the topics of downspout disconnection and redirection to permeable surfaces, rain garden design and installation, selection of appropriate California-friendly plants, and rain barrel installation. The guide also provides a wealth of additional resources for homeowners looking to implement additional rainwater harvesting methods or seeking supplemental information and links readers to the South Bay Rainwater Harvesting webpage on the South Bay Cities Council of Governments website. The Guide includes a section on maintenance and incorporates advice on periodic inspections and measures to correct common problems.

Rainwater Harvesting Media Kit

The City, in collaboration with the Beach Cities WMG and the Peninsula WMG, jointly developed and disseminates outreach and educational materials on Rainwater Harvesting. The outreach materials utilize the slogan "tap the rain" and encourage the conservation of water resources. Social media posts can utilize the hashtag #collecttherain which leverages the statewide CASQA Rain Ready outreach campaign. The media kit materials discuss the importance of rainwater as a resource and the value of capturing it for use around the home and link back to the South Bay Rainwater Harvesting webpage for more information.

The Media Kit includes full- and half-page flyers for incorporation into e-newsletters and printed outreach materials, social media posts formatted for Facebook, Instagram and Twitter along with sample post copy, high resolution photos and South Bay Rainwater Harvesting logos for use in outreach materials. An event poster with a QR code links back to the South Bay Rainwater Harvesting webpage. The materials can be mixed and matched to include in e-newsletters, social media posts, residential email blasts and posted onto City websites as well as distributed via public counters and outreach events. The media kit is being hosted by the South Bay Environmental Services Center (SBESC) on their website and is available to all South Bay Cities Council of Governments member agencies.

The Rainwater Harvesting Media Kit was updated to utilize the slogan "tap the rain" to encourage residents to take advantage of the significant rain experienced in the Los Angeles region. In addition, the existing Rainwater Harvesting handout was updated for use at public events to educate residents on rainwater harvesting and providing a QR code to the Rainwater Harvesting webpages for more information.

Water Purveyor BMP Letter

The City, in collaboration with the Beach Cities WMG, developed a letter to drinking water purveyors to remind them of their BMP and notification requirements for drinking water system discharges to the MS4 under the Regional MS4 Permit. The letter was sent to the City of Torrance Municipal Water Department.

Best Management Practices for Food Service Businesses - A Guide for Stormwater Pollution

The City, along with the Beach Cities WMG, developed a Stormwater BMP Guide for food service businesses to inform them of the BMP requirements applicable to their facilities. With the approval from the Bay Foundation, their Clean Bay Certified Manual served as a template for the Guide.

Copper Brake Pad Replacement Project

Copper in brake pads constitutes the single largest source of copper in metropolitan environments. SB 346, which was passed by the California legislature in 2010 and signed by the Governor, requires reduction in the amount of copper allowed in new vehicle brake pads in two phases. The statute allowed, until December 31, 2023, motor vehicle manufacturers and distributors, wholesalers, or retailers of replacement brake friction materials to deplete their inventory of noncompliant materials. Starting January 1, 2021, the statute prohibited the sale of new motor vehicles with brake friction materials containing more than 5.0 % copper by weight, and, beginning January 1, 2025, prohibited the sale of new motor vehicles with brake friction materials exceeding 0.5% copper by weight. The California Department of Toxic Substances Control (DTSC) is responsible for implementing this statute: https://dtsc.ca.gov/scp/limiting-copper-in-brake-pads/.

Currently there is no publicly available data supporting actual sales of low copper or copper-free brake pads, however, data indicates that high-copper brake pads are being phased out from both retailer shelves and in new vehicles in California due to SB346. According to the California State Water Board, "as of 2021, more than 60 percent of brake pads on the market are copper-free, which corresponds to an estimated 28 percent decrease in copper entering urban runoff. Further reductions of copper releases to the aquatic environment are expected as manufacturers continue to come into compliance, new cars and brakes enter the California fleet, and previously accumulated copper is flushed out of watersheds" (https://dtsc.ca.gov/scp/limiting-copper-in-brake-pads/). In addition, based on the limited monitoring data collected at the Beach Cities WMG's two Coordinated Integrated Monitoring Program (CIMP) receiving water monitoring sites in the Dominguez Channel and Torrance Lateral, the average copper concentration in stormwater decreased by roughly 30% from 2016 to 2021.

A key factor in encouraging the use of copper-free brake pads is outreach and education that these types of brake pads are currently available. Manufacturers have been providing educational information to wholesalers, retailers, and installation technicians on the availability of copper-free brake pads.

1.3 **Watershed Control Measures Planned and In Progress**. Complete Table 1b, on an Excel spreadsheet. Include all watershed control measures (aside from minimum control measures specified in Part VIII of the Order) in the Watershed Management Program that are planned and in progress. Structural control measures as well as non-structural control measures (e.g., enhanced MCMs such as incentive programs, outreach and conservation programs, etc.) should be included in this table. If information is not available for a particular field, the field should indicate "Not Applicable" (N/A) [*Order – IX*].

PLEASE SEE EXCEL ATTACHMENT TO SUPPORT RESPONSE FOR TABLE 1b.

1.3a) Additional Information. Provide additional information regarding the Watershed Control Measures planned and in progress (e.g., other compliance metrics and a list of (a) Permittees and non-Permittees collaborated with for achievement of milestones, (b) funding sought, (c) funding obtained, (d) technical assistance received (e.g., through the Safe Clean Water Program Watershed Area Steering Committee), (e) additional local community co-benefits such as clean streets (including, without limitation, street sweeping, litter abatement, etc.), more parks and green spaces, reduced heat island effect, reduced flooding, water supply augmentation, neighborhood beautification, and job creation, and (f) other co-benefits and resources accruing to disadvantaged communities as identified on CalEnviroScreen).

PLEASE SEE EXCEL ATTACHMENT TO SUPPORT RESPONSE TO SECTION 1.3a and "Planned and In-Progress Watershed Control Measures" below for additional information on WCMs in Table 1b and 1.3a that are planned and in progress.

Planned and In-Progress Watershed Control Measures

Planned and in-progress watershed control measures included in the Machado Lake WMP are summarized in Tables 1b and 1.3a and described in more detail below.

WMP REGIONAL PROJECTS - PLANNED AND IN-PROGRESS MULTI-YEAR EFFORTS

Torrance Airport Stormwater Basin Project

The Machado Lake WMP incorporates the planned Torrance Airport Stormwater Basin Project (TASBP). The purpose of the project is to divert stormwater flows from the storm drain system to be pre-treated and then stored in subsurface reservoirs for controlled release to the sanitary sewer system and ultimately to the Joint Water Pollution Control Plant (JWPCP) in the City of Carson where the Metropolitan Water District (MWD) has constructed the Regional Recycled Water Advanced Purification Center demonstration plant to treat storm water for regional groundwater infiltration. The project will capture dry weather flows from the total drainage area of 3,334 acres, which includes the City of Torrance and the Palos Verdes

Peninsula WMG. During storms up to the 85th percentile, 24-hour event, the project will address runoff from a targeted stormwater capture area of 2,281 acres that includes the Palos Verdes Peninsula WMG jurisdictions of Rancho Palos Verdes, Palos Verdes Estates, Rolling Hills Estates, and Unincorporated LA County.
With support from the Peninsula WMG, Torrance applied for and received $906,000 of Safe Clean Water (SCW) FY 20-21 Regional Infrastructure funding for full design of the Torrance Airport Stormwater Basin Project which would entail storage in a subsurface vault and diversion of captured flow to the sanitary sewer system. The City of Torrance also secured $938,000 in federal funding to support the construction of the project and in August 2023 secured $2M for construction from the California Department of Transportation (Caltrans) via settlement of a case with the Natural Resources Defense Council. With this leveraged funding in hand, the City and its Palos Verdes Peninsula partners applied for $19,190,402 of Safe Clean Water FY24-25 Regional Infrastructure funding for construction of the project. The Torrance Airport Storm Water Basin Project application included a complete preliminary design report and a comprehensive SCW Regional Program Infrastructure Project application, as well as project presentations of the project at the SCW South Santa Monica Bay Watershed Area Steering Committee (WASC). The South Santa Monica Bay WASC subsequently selected the TASBP for construction funding, which was included in its FY24-25 Stormwater Investment Plan that was approved by the Safe Clean Water Regional Oversight Committee and, ultimately, the LA County Board of Supervisors.

The Torrance Airport Stormwater Basin Project design is currently in-progress. During the reporting period, the South Santa Monica Bay WASC asked infrastructure project developers whether there would be any ability to shift funds to accommodate a project modification request from another previously funded infrastructure project. The City of Torrance, along with its PVP WMG partners negotiated with the WASC and agreed to shift $4M of the allocated funding for this project from FY2025-26 to FY2027-28, with the entirety of allocated funding still being disbursed by FY2028-29, as planned.

WMP SOURCE CONTROL MEASURES - ONGOING MULTI-YEAR EFFORTS

Since 2018, the City, in collaboration with the Beach Cities WMG, has been collaborating to implement a customized Public Information and Participation Program (PIPP) targeted at the highest water quality priorities, bacteria, trash and metals. This joint PIPP includes the development and dissemination of targeted education and outreach materials to South Bay Los Angeles residents using multiple methods such as e-newsletter and social media distribution as well as translation into multiple languages consistent with the target audience's community demographics.

The following sections describe ongoing collaborative outreach and engagement activities that were implemented during the reporting period by the City of Torrance in coordination with the Beach Cities WMG:

Environmentally Friendly Landscaping, Gardening and Pest Control webpages

The City, in collaboration with the Beach Cities and Palos Verdes Peninsula WMGs, maintains and updates Environmentally Friendly Landscaping, Gardening and Pest Control webpages to disseminate information on sustainable landscaping, responsible use of water resources, sustainable pest management and the proper use and disposal of pesticides and fertilizers. Through a contract with South Bay Cities Council of Governments, these webpages are hosted by the South Bay Environmental Services Center (SBESC) on their website. The reach of these webpages is extended through links to the webpages on the cities' own websites and through e-newsletters and social media posts by the cities. These webpages are available to all South Bay communities and the built-in website translator makes the information accessible in a host of languages.

South Bay Residential Rainwater Harvesting Program Webpage

The South Bay Rainwater Harvesting webpage provides information on simple DIY rainwater harvesting projects residents can install on their properties to "collect the rain". This webpage is accessible from the Environmentally Friendly Landscaping, Gardening and Pest Control landing page. It provides a downloadable link to the South Bay Homeowner's Guide to Rainwater Harvesting and links readers to the State Water Board Stormwater video 'Swales are Swell and So Are Rain Gardens' which discusses how to direct water from impervious areas like patios and rooftops to areas where it can soak into the ground such as rain gardens and swales. This webpage is available to all South Bay communities from the Environmentally Friendly Landscaping, Gardening and Pest Control landing page and the built-in website translator makes the information accessible in a host of languages.

Sustainable Pest Management Webpage

The Sustainable Pest Management webpage provides information and references on how to prevent pests in the home and garden through non-chemical controls and management techniques, how to remove pests sustainably, and how to safely use and dispose of pesticides when necessary. This webpage is available to all South Bay communities from the Environmentally Friendly Landscaping, Gardening and Pest Control landing page and the built-in website translator makes the information accessible in a host of languages.

During this reporting period, the WMG developed Sustainable Pest Management outreach materials to promote the Sustainable Pest Management webpage. Coordinated Earth Month outreach on Sustainable Pest Management was conducted by Torrance in coordination with the Beach Cities and PVP WMG agencies during the month of April 2025 via e-newsletter and social media outreach, which included links to the webpage. See section 1.5 below for more information on this outreach effort.

In addition to disseminating education and outreach materials in multiple languages and using multiple methods and tracking effectiveness, the City, along with the Beach Cities and Palos Verdes Peninsula WMGs, engages South Bay Los Angeles

communities by leveraging and promoting existing stormwater pollution prevention opportunities hosted by other entities. Examples during the reporting period included: Metropolitan Water District (MWD), West Basin and Water Replenishment District (WRD) sponsored CA Friendly Landscaping classes, South Bay Environmental Services Center Know Your H2O classes, West Basin Water Harvest event, WRD Eco Gardener workshops, West Basin rain barrel giveaways, Ports of LA High School Green Festival, and LA SAN What Happens to Your Sewage class.

Enhanced Restaurant Inspection Program

The City implements an ongoing annual restaurant inspection program where outreach is provided on proper waste management and stormwater pollution prevention.

Enhanced Street Sweeping

The City Council adopted the Optimized Weekly Street Sweeping Program on May 20, 2014. The Program changed the City's weekly street sweeping program from street sweeping an entire neighborhood in one day to sweeping a neighborhood in two days with alternate sides of the street swept on alternate days. The purpose of the Program was to achieve the following 4 goals:

1. Help comply with new environmental regulations,
2. Create a more effective street sweeping program to collect more trash and debris from city streets,
3. Establish a Citywide alternate-side street sweeping program to mitigate parking impacts,
4. Minimize parking restrictions/impacts in areas that were posted with signs for NO PARKING street sweeping by reducing the parking restriction to 1 side/day and reducing the period from 4-hours to 3 hours.

This enhanced street sweeping program is most effective at preventing trash, oils, grease, brake dust, organic debris and sediment from entering the City's storm drain system. The City installed 6,502 street sweeping signs and posts across the City notifying residents and visitors of the times/days of street sweeping routes. The City installed new signs on existing signposts and street light poles wherever possible. Sign installation was completed on October 5, 2017. Notice of Completion was filed and recorded with the Los Angeles County Recorder's Office on January 22, 2018.

Enhanced Integrated Pest Management - Pesticide Free Zones

The City has established pesticide-free zones around community gardens, playgrounds, and picnic areas.

Pet Waste Collection Stations

The City equips city parks with pet waste collection stations and offers residents free pet waste biodegradable bags and dispensers at their one-stop permit center.

Fats, Oils, and Grease (FOG) Control Program

The City's FOG Control Program includes regulatory control of food service establishments (FSEs), public outreach to residences, and improved preventive maintenance measures.

California Green Business Network Certification Program

Since 2018, the City has been distributing outreach to businesses on environmental practices and has partnered with the Environmental Services Center of the South Bay Cities Council of Governments to administer a grant from the California Green Business Network to offer the Green Business Certification to its businesses.

Impervious Cover Reduction Program

Under this program, the City assesses the feasibility of reducing impervious cover.

Water Conservation and Drought Management Program

The City implements a Water Conservation and Drought Management Program, under which City staff proactively identify irrigation overuse.

1.4 **Water Body Pollutant Combination (WBPC) Compliance**. Complete Table 1c on an Excel spreadsheet for all WBPCs identified in the Watershed Management Program. If information is not available for a particular field, the field should indicate "Not Applicable" (N/A) [*Order – X*].

PLEASE SEE EXCEL ATTACHMENT FOR TABLE 1C.

1.5 **Additional Information**. Attach any additional information or reports pertinent to the WMP to this report. Provide a brief summary of these attachments below.

This report, along with Section 1.1 translated to Spanish, are posted at the following link: https://www.torranceca.gov/our-city/community-development/environmental/npdes

Figure 1 below shows an example Facebook post utilizing the Sustainable Pest Management outreach messaging and graphics developed jointly by the City in coordination with the Beach Cities and PVP WMGs for coordinated dissemination during Earth Month (April 2025). The following metrics were tracked for the reporting period to demonstrate the effectiveness of the coordinated Sustainable Pest Management outreach effort.

- Total clicks on South Bay Cities Council of Government newsletter articles on sustainable pest management: 224
- Total clicks on South Bay Cities Council of Government e-blasts containing sustainable pest management outreach: 156
- Total views/impressions from Sustainable Pest Management outreach posted on Facebook by Beach Cities WMG agencies: 5,600
- Total views/impressions from Sustainable Pest Management outreach posted on Instagram by Beach Cities WMG agencies: 6,509
- Total views/impressions from Sustainable Pest Management outreach posted on X by Beach Cities WMG agencies: 737
- Attendees at events where South Bay Cities Council of Government disseminated the Beach Cities WMG's Sustainable Landscaping and Pest Management outreach materials: 2,171 across six (6) events

The webpage views below were also tracked to demonstrate the effectiveness of the coordinated outreach effort. The views below represent the reporting period (January 1 through June 30, 2025). These numbers are compared with pageviews from the same time period last year (January through June 2024). As can be seen, the reporting period pageviews ranged

between ~2-5x those of the same period last year, with the exception of the CA Friendly Demonstration Gardens page. This indicates that coordinated outreach across Beach Cities communities and modes of communication can effectively drive traffic to the WMG's webpages.

- Environmentally Friendly Landscaping, Gardening and Pest Control (Landing) webpage: 351 (189 between Jan-June 2024)
- Sustainable Landscapes and Gardens webpage: 854 (173 between Jan-June 2024)
- Sustainable Pest Management webpages: 473 (159 between Jan-June 2024)
- Rainwater Harvesting webpage: 388 (182 between Jan-June 2024)
- CA Friendly Demonstration Gardens webpage: 7 (10 between Jan-June 2024)

Figure 1 Example Sustainable Pest Management Social Media Post