

2024-2025

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2024 - 06/30/2025

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Permittee Information

City of Buellton

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Phase II Small MS4 Annual - Report - 2024-2025

Questions & Answers

Q No.	Text	DropDown Answer	CheckBoxAnswer	DescriptiveAnswer	Date Answer	Number Answer
null	GENERAL					
1	Per Section E.1., did you continue to implement your previously approved storm water management plan? If 'No', please provide a brief explanation in the comments section. (Years 1-12) (Please note: This question is for renewal permittees only. If you are a new permittee, please select 'NA')	Yes				
2	If you relied on another entity (co-permittee or SIE) to implement one or more of the permit requirements did the co-permittee or SIE meet the permit requirements that were implemented on your behalf? (Years 1-12) If 'Yes', please attach a copy of the agreement that you have with the other entity if it is new this year or if the agreement has changed or been updated since the last time it was uploaded. If 'No', please provide a brief explanation.	Yes		No changes have been made to the Memorandum of Understanding (MOU) agreement since the last time it was uploaded.		
null	PROGRAM MANAGEMENT					
3	Reviewed and/or revised any relevant ordinances or other regulatory mechanisms, or adopted any new ordinances or regulatory mechanisms to obtain adequate legal authority as specified by Section E.6.a.(ii)(a-j)? (Year 2) If 'No', please provide a brief explanation in the comments section.	N/A				
4	Certified legal authority, as specified by section E.6.b.? (Year 2) If 'Yes', attach required statement signed by an authorized signatory certifying adequate legal authority to comply with all Order requirements. (E.6.b.(ii)(a-e)). (Year 2) If "No", please provide a brief explanation.	N/A				
5	Developed and began implementation of Enforcement Response Plan as specified by Section E.6.c.(ii)(a-f)? (Year 3); OR Implemented the Enforcement Response Plan as specified in Section E.6.c.(ii)(a-f)? (Years 4-12) If 'No', please provide a brief explanation.	Yes				
null	EDUCATION AND OUTREACH					
6	Selected one or more of the Public Education and Outreach options? (E.7.a) (Year 1) If yes, which option was selected to comply with section E.7.? Provide answer in comments section. (Year 1) For countywide/regional collaborative option selection, upload required attachment: agreement confirming collaboration with other MS4s. (Year 1)	N/A				

7	Developed and began implementation of storm water public education and outreach program as specified by section E.7.a.(ii)(a - m)? (Year 2); OR Continued implementation of storm water public education and outreach program as specified by section E.7.a.(ii)(a - m)? (Years 3-12) If 'No', please provide a brief explanation.	Yes				
8	Developed and began implementation of a public education strategy that established education tasks based on water quality problems, target audiences and anticipated task effectiveness? (E.7.a.(ii)a) (Year 2); OR Continued implementation of a public education strategy that established education tasks based on water quality problems, target audiences and anticipated task effectiveness? (Years 3-5) If 'No', please provide a brief explanation. THIS QUESTION IS REDUNDANT WITH THE QUESTIONS DIRECTLY ABOVE AND HAS BEEN REMOVED. YOU HAVE NO NEED TO ANSWER THIS QUESTION	N/A				
9	Developed and implemented a training program for all staff who, as part of their normal job responsibilities, may be notified of, come into contact with, or otherwise observe an illicit discharge or illegal connection to the storm drain system, as specified by section E.7.b.1.(ii)(a-g)) (Year 3); OR Continued to implement the training program for all appropriate staff? (Years 4-12) If 'NA', please provide a brief explanation.	Yes				
10	Provided construction outreach and education training for staff implementing construction site storm water runoff control program, as specified by section E.7.b.2.a(ii)(a-c)? (Years 2-12) If 'NA', please provide a brief explanation.	Yes				
11	Developed and distributed educational materials to construction site operators, as specified by section E.7.b.2(b)(ii)(a-d), (Year 3); OR Continued to distribute educational materials? (Years 4-12) If 'NA', please provide a brief explanation.	Yes				
12	Updated existing storm water website, as necessary, to include information on appropriate selection, installation, implementation and maintenance of BMPs? (E.7.b.2.(b)(ii)(d)) (Years 3-12) If 'No', please provide a brief explanation.	Yes				
13	Trained employees on how to incorporate pollution prevention/good housekeeping techniques into Permittee operations, as specified by section E.7.b.3.(ii)(a-d)? (Years 2-12) If 'NA', please provide a brief explanation.	Yes				
null	PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM					

14	Involved the public in the development and implementation of activities related to the program, as specified by section E.8.(ii)(a-e)? (Years 2-12) If 'No', please provide a brief explanation.	Yes				
null	ILLICIT DISCHARGE DETECTION AND ELIMINATION					
15	Created and/or maintained outfall map? (E.9.a) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
16	Included in the outfall map, location of all outfalls that are operated by the Permittee within the urbanized area, drainage areas, and land use(s) contributing to those outfalls that are operated by the Permittee, and that discharge within the Permittee's jurisdiction to a receiving water? (E.9.a(ii)(a)) (Year 2) If 'No', please provide a brief explanation.	N/A				
17	Included in the outfall map, the location (and name, where known to the Permittee) of all water bodies receiving direct discharges from those outfall pipes? (E.9.a(ii)(b)) (Year 2) If 'No', please provide a brief explanation.	N/A				
18	Included in the outfall map, priority areas, as specified in E.9.a.(ii)(c)(1-8)? (Year 2) If 'No', please provide a brief explanation.	N/A				
19	Included in the outfall map, field sampling stations? (E.9.a(ii)(d)) (Year 2) If 'No', please provide a brief explanation.	N/A				
20	Included in the outfall map, the permit boundary? (E.9.a(ii)(e)) (Year 2) If 'No', please provide a brief explanation.	N/A				
21	Maintained inventory of all industrial/commercial facilities/sources within the Permittee's jurisdiction (regardless of ownership) that could discharge storm water pollutants to the MS4? (E.9.b) (Year 2) If 'No', please provide a brief explanation.	N/A				
22	Included in the inventory, the facility name, address, nature of business/activity, physical location of storm drain receiving discharge, name of receiving water and if the facility/source is tributary to a Clean Water Act Section 303(d) listed water body segment or water body segment subject to a TMDL? (E.9.b(ii)(a)) (Year 2) If 'No', please provide a brief explanation.	N/A				

23	Included in the inventory: vehicle salvage yards, metal and other recycled materials collection facilities, waste transfer facilities, vehicle mechanical repair, maintenance or cleaning; building trade central facilities or yards; corporation yards; landscape nurseries and greenhouses; building material retailers and storage; plastic manufacturers; other facilities designated by the Permittee or Regional Water Board to have reasonable potential to contribute to pollution of storm water runoff? (E.9.b(ii)(b)) (Year 2) If 'No', please provide a brief explanation.	N/A				
24	Determined if facilities that are required to be covered under the Statewide Industrial General Permit (IGP) have done so and notified Regional Water Board of any non-filers? (E.9.b(ii)(c)) (Year 2) Attached copies of the notification of non-filers to the Regional Water Board (E.9.b(ii)(c)) (Year 2) If 'No', please provide a brief explanation.	N/A				
25	Updated the inventory annually? (E.9.b(ii)(d)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
26	Developed and implemented procedures to proactively identify illicit discharges originating from priority areas identified in Section E.9.a.(ii)(c), at least once over the length of the permit term. OR, established a self-certification program where Permittees require reports from authorized parties demonstrating the prevention and elimination of illicit discharges at their facilities in priority areas at least once over the length of the permit term? (E.9.b(ii)(e)) (Year 2) OR Implemented the procedures established per E.9.b.(ii).(e).? (Years 3-12) If 'No', please provide a brief explanation.	Yes				
27	Conducted field sampling of any outfalls that were flowing or ponding when it had been more than 72 hours after the last rain event (i.e., were suspected of illicit discharges) during outfall inventory mapping (under section E.9.a.)? (E.9.c.) (Year 2) If 'No', please provide a brief explanation.	N/A				
28	Conducted monitoring for the parameters listed in Table 1, or for parameters selected by Permittee based on local knowledge of pollutants of concern in priority areas? (E.9.c(ii)(a)) (Years 2-12) If tailored parameter action levels, attach justification and modifications to parameters If 'No', please provide a brief explanation.	Yes		Yes - The Cities of Buellton and Solvang do not add Fluoride to their water system; therefore, the outfall samples collected are not sampled for this indicator parameter.		
				The Tailored Parameter Justification/Modifications Buellton and Solvang Transmittal (Email Dated 10/6/17) - IDDE Sampling Chlorine was uploaded as an attachment to the Phase II Small MS4 Annual Report - Traditional 2016 - 2017 Annual submittal as requested by the CCRWQCB. Per CCRWQCB, no additional upload is necessary.		

29	Verified that indicator parameter action levels in Table 2, or tailored parameter action levels were not exceeded? (E.9.c.(ii)(b)) (Years 2-12) If tailored parameter action levels, attach justification and modifications to parameter action levels. If 'No', please provide a brief explanation.	Yes		<p>Yes - The Cities of Buellton and Solvang do not add Fluoride to their water system; therefore, the outfall samples collected are not sampled for this indicator parameter.</p> <p>The Tailored Parameter Justification/Modifications Buellton and Solvang Transmittal (Email Dated 10/6/17) - IDDE Sampling Chlorine was uploaded as an attachment to the Phase II Small MS4 Annual Report - Traditional 2016 - 2017 Annual submittal as requested by the CCRWQCB. Per CCRWQCB, no additional upload is necessary.</p>		
30	Conducted follow-up investigations per Section E.9.d. if the action level concentrations were exceeded? (E.9.c(ii)(c)) (Years 2-12) If 'No', please provide a brief explanation.	Yes		<p>Yes - Buellton. Samples from Outfall 1A exceeded action level concentrations in two conductivity samples and one potassium samples, these results were compared to previous results and City representatives looked upstream for evidence of washing or other illicit discharge. Results were typical of past results when water was ponded at the locations, indicating higher salts present during evaporative conditions.</p> <p>NA - Solvang. The City of Solvang did not have any action level concentrations exceedances which required follow-up investigations.</p>		
31	Developed written procedures for conducting investigations into the source of all suspected illicit discharges? (E.9.d.ii(a-e)) (Year 2) If 'No', please provide a brief explanation.	N/A				
32	Investigated within 24 hours, non-storm water discharges suspected of being sanitary sewage and/or significantly contaminated? (E.9.d.(ii)(a)) (Years 2-12) If 'No', please provide a brief explanation.	NA		<p>NA - Solvang. The City of Solvang did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated.</p> <p>NA - Buellton. The City of Buellton did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated.</p>		
33	Prioritized investigations of suspected sanitary sewage and/or significantly contaminated discharges over investigations of non-storm water discharges suspected of being cooling water, wash water, or natural flows? (E.9.d.(ii)(b)) (Years 2-12) If 'No', please provide a brief explanation.	NA		<p>NA - Solvang. The City of Solvang did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated.</p> <p>NA - Buellton. The City of Buellton did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated.</p>		

34	Reported immediately the occurrence of any flows believed to be an immediate threat to human health or the environment to local Health Department? (E.9.d.(ii)(c)) (Years 2-12) If 'No', please provide a brief explanation.	NA		NA - The City of Solvang did not have any flows believed to be an immediate threat to human health or the environment requiring notification to local Health Department. NA - The City of Buellton did not have any flows believed to be an immediate threat to human health or the environment requiring notification to local Health Department.		
35	Determined and documented through investigations the source of all non-storm water discharges? (E.9.d.(ii)(d)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
36	Implemented corrective actions to eliminate illicit discharges as specified in section E.9.d.(ii)(e)? (Years 2-12) If 'No', please provide a brief explanation.	Yes				
37	Developed and began implementing a spill response plan? (E.9.e) (Year 1); OR Continued to implement a spill response plan (Years 2-12) If 'No', please provide a brief explanation.	Yes				
null	CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM					
38	Developed an enforceable construction site storm water runoff control ordinance for all projects that disturb less than one acre of soil? (E.10) (Year 2) If 'No', please provide a brief explanation.	N/A				
39	Created, maintained, and continuously updated an inventory of all projects subject to local construction site storm water runoff control ordinance according to the minimum requirements listed in section E.10.a(ii)(a-h) ? (E.10.a) (Years 1-12) If 'No', please provide a brief explanation.	Yes				
40	Developed procedures that include the minimum requirements listed in section E.10.b(ii)(a-e) to review and approve construction plan documents? (i.e., erosion and sediment control plans). (E.10.b) (Year 1) If 'No', please provide a brief explanation.	N/A				
41	Used legal authority to implement procedures for inspecting public and private construction projects and conducted enforcement as necessary? (E.10.c). (Years 2-12) If 'No', please provide a brief explanation.	Yes				
42	Conducted inspections, at a minimum, at priority construction sites prior to land disturbance, during active construction and following active construction? (E.10.c.(ii)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
43	Included in inspection, an assessment of compliance with the Permittee's construction site storm water control ordinance and other applicable ordinances? (E.10.c.(ii)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				

44	Active site inspections included inspections of BMP maintenance, BMP effectiveness and verification of no pollutant of concern discharge? (E.10.c.(ii)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
45	Based inspection prioritization criteria on project threat to water quality (includes soil erosion potential, site slope, project size and type, sensitivity of receiving water bodies, proximity to receiving water bodies, non-storm water discharges, projects more than one acre that are not subject to the CGP and past record of non-compliance)? (E.10.c.(ii)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
null	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM					
46	Developed and maintained an inventory of Permittee-owned or operated facilities within your jurisdiction that are a threat to water quality, as specified in E.11.a(ii). (Years 2-12) If 'No', please provide a brief explanation.	Yes				
47	Developed and submitted a map that identifies the location of inventoried Permittee-owned/operated facilities, storm drainage system corresponding to the each of the facilities and the receiving water, facility name and management including contact information? (E.11.b) (Year 2) If 'No', please provide a brief explanation.	N/A				
48	Conducted annual inspections of and assessed the pollutant discharge potential for all Permittee-owned facilities to identify Hotspots, as specified in section E.11.c? (Year 3); If 'No', please provide a brief explanation	N/A				
49	Developed and implemented SWPPPs for hotspots as specified in section E.11.d.(ii)(a-c))? (Year 4) Continued to implement SWPPPs for hotspots? (Years 5-12) If 'No', please provide a brief explanation.	NA			NA - Buellton. The City of Buellton conducted quarterly inspections at the WWTP; however, per hotspot rating criteria, the facility is not a hotspot and does not have a Hotspot SWPPP. NA - Solvang. The City of Solvang had previously conducted a Hotspot Site Investigation on each City owned or operated facility and did not find a "Severe" or "Confirmed" Hotspots during the facility assessments that would require the development and implementation of a SWPPP.	
50	Conducted quarterly visual inspection of hotspots and hotspot discharge locations? (E.11.e.(ii)(a and c)) (Years 5-12) If 'No', please provide a brief explanation.	NA			NA - Buellton. The City of Buellton conducted quarterly inspections at the WWTP; however, per hotspot rating criteria, the facility is not a hotspot. NA - Solvang. The City of Solvang previously conducted a Hotspot Site Investigation on each City owned or operated facility and did not find a "Severe" or "Confirmed" Hotspots during the facility assessments that would require quarterly visual inspections of hotspots and hotspot discharge locations.	

51	Conducted annual comprehensive hotspot inspection? (E.11.e(ii)(b)) (Years 5-12) If 'No', please provide a brief explanation.	Yes				
52	Inspected each inventoried facility that is not a hotspot once during permit term? (E.11.e(ii)(d)) (Years 5-12) If 'No', please provide a brief explanation.	Yes				
53	Implemented procedures to assess and prioritize maintenance of storm drain system infrastructure and assigned a high priority to each catch basin meeting any of the criteria listed in section E.11.f(ii)(1-8)? (Year 2) If 'No', please provide a brief explanation.	N/A				
54	Began maintenance of storm drain systems according to the procedures and priorities developed according to section E.11.g.(ii)(a-e)? (Year 3) If 'No', please provide a brief explanation. THIS QUESTION IS REDUNDANT WITH THE QUESTIONS DIRECTLY BELOW AND HAS BEEN REMOVED. YOU HAVE NO NEED TO ANSWER THIS QUESTION	N/A				
55	Developed and implemented a strategy to inspect storm drain systems, based on the priorities assigned in section E.11.f.(ii). (E.11.g.(ii)(a)). (Year 3); OR Continued to implement the strategy to inspect storm drain systems? (Years 4-12) If 'No', please provide a brief explanation.	Yes				
56	Developed and implemented a schedule to clean high priority catch basins and other systems? (E.11.g.(ii)(b)) (Year 3); OR Continued to implement a schedule to clean high priority catch basins? (Years 4-12) If 'No', please provide a brief explanation.	Yes				
57	Ensured that each catch basin in high foot traffic areas includes a legible storm water awareness message? (E.11.g.(ii)(c)) (Years 3-12) If 'No', please provide a brief explanation.	Yes				
58	Reviewed and maintained high priority facilities and removed trash and debris from high priority areas prior to the rainy season? (E.11.g.(ii)(d)). (Years 3-12) If 'No', please provide a brief explanation.	Yes				
59	Developed and maintained a procedure to dewater and dispose of materials extracted from catch basins that ensures that water removed during the catch basin cleaning process and waste material will not reenter the MS4? (E.11.g.(ii)(e)). (Year 3) Continued to implement a procedure to dewater and dispose of materials extracted from catch basins? (Years 4-12) If 'No', please provide a brief explanation.	Yes				

60	Developed program to assess O&M activities for potential to discharge pollutants and inspected all O&M BMPs quarterly as specified in section E.11.h.(ii)(a-d)? (Year 3) If 'No', please provide a brief explanation. THIS QUESTION IS REDUNDANT WITH THE QUESTIONS DIRECTLY BELOW AND HAS BEEN REMOVED. YOU HAVE NO NEED TO ANSWER THIS QUESTION	N/A				
61	Developed and implemented a program that includes activities listed in section E.11.h.ii(a)(1-8) to assess operations and maintenance activities and subsequently developed applicable BMPs? (E.11.h(ii)(a)) (Year 3); OR Continued to implement a program to assess O&M activities? (Years 4-12) If 'No', please provide a brief explanation.	Yes				
62	Identified all materials that could be discharged from each of these O&M activities, and which materials contain pollutants? (E.11.h(ii)(b)) (Years 3-12) If 'No', please provide a brief explanation.	No		Yes - Buellton. No - Solvang. O&M activities assessment inspection forms were not received from the Maintenance Division for Quarter 1 due to staff changes. All new and existing staff were provided training on updated O&M Activities Assessment Plan during Year 12.		
63	Developed and identified a set of BMPs that, when applied during Permittee O&M activities, will reduce pollutants in storm water and non-storm water discharges? (E.11.h(ii)(c)) (Year 3); OR Continued to implement identified BMPs for O&M activities? (Years 4-12) If 'No', please provide a brief explanation.	No		Yes - Buellton. No - Solvang. O&M activities assessment inspection forms were not received from the Maintenance Division for Quarter 1 due to staff changes. All new and existing staff were provided training on updated O&M Activities Assessment Plan during Year 12.		
64	Evaluated all BMPs implemented during O&M activities quarterly? (E.11.h(ii)(d)) (Years 3-12) If 'No', please provide a brief explanation.	No		Yes - Buellton. No - Solvang. O&M activities assessment inspection forms were not received from the Maintenance Division for Quarter 1 due to staff changes. All new and existing staff were provided training on updated O&M Activities Assessment Plan during Year 12.		
65	Developed and implemented a process for incorporating water quality and habitat enhancement into new and rehabilitated flood management projects? (E.11.i) (Year 3); OR Continued to implement the process for incorporating water quality enhancement into flood management projects? (Years 4-12) If 'No', please provide a brief explanation.	NA				
66	Implemented a landscape design and maintenance program to reduce the amount of water, pesticides, herbicides and fertilizers used by Permittee? (E.11.j) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
67	Evaluated pesticides, herbicides and fertilizers used and application activities performed and identified pollution prevention and source control opportunities? (E.11.j(ii)(a)) (Year 2) If 'No', please provide a brief explanation.	N/A				

68	Implemented practices that reduced the discharge of pesticides, herbicides and fertilizers as specified in section E.11.j(ii)(b)(1-4)? (Years 2-12) If 'No', please provide a brief explanation.	Yes				
69	Implemented educational activities for municipal applicators and distributors? (E.11.j(ii)(b)(1)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
70	Implemented landscape management measures that rely on non-chemical solutions, including the measures specified in section E.11.j.(ii)(b)(2)(a-i)? (Years 2-12) If 'No', please provide a brief explanation.	Yes				
71	Collected and properly disposed of unused pesticides, herbicides and fertilizers? (E.11.j(ii)(b)(3))(Years 2-12) If 'No', please provide a brief explanation.	Yes				
72	Minimized irrigation runoff by using an evapotranspiration-based irrigation schedule and rain sensors? (E.11.j(ii)(b)(4)), (Years 2-12) If 'No', please provide a brief explanation.	Yes				
73	Recorded the types and amounts of pesticides, herbicides and fertilizers used in the permit area? (E.11.j(ii)(c)) (Years 2-12) If 'No', please provide a brief explanation.	Yes				
null	POST CONSTRUCTION STORMWATER MANAGEMENT PROGRAM					
74	Regulated development to comply with sections E.12.b. through E.12.l of permit? (E.12.a) (Years 2-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
75	Required implementation of site design measures for all projects that create and/or replace 2,500- 5,000 square feet of impervious surface (including single family homes, that are not part of a larger plan of development)? (E.12.b) (Years 2-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
76	Implemented standards, including measures for site design, source control, runoff reduction, storm water treatment and baseline hydromodification management, on projects that create and/or replace more than 5,000 square feet of impervious surface (Regulated Projects)? (E.12.c) (Years 2-12) If 'No', please provide a brief explanation.	N/A		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
77	Required Regulated Projects to implement source control measures? (E.12.d) (Years 2-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		

78	Required Regulated Projects to implement LID standards designed to reduce runoff, treat storm water, and provide baseline hydromodification management to the extent feasible, to meet the Numeric Sizing Criteria for Storm Water Retention and Treatment under section E.12.e(ii)c? (Years 2-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
79	Developed and implemented hydromodification management procedures for Regulated Projects that created and/or replaced one acre or more of impervious surface as specified by section E.12.f? (Year 3); OR Continued to implement hydromodification management procedures for Regulated Projects? (Years 4-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
80	Developed and/or modified enforceable mechanisms to implement E.12.b through E.12.f., if necessary? (E.12.g) (Years 3-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
81	Implemented an O&M verification program for storm water treatment and baseline hydromodification structural controls measures on all Regulated Projects, as specified by section E.12.h(ii)(a-e)? (Years 2-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
82	Inventoried and assessed the maintenance condition of structural post-construction BMPs within your jurisdiction? (E.12.i) (Years 3-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
83	Developed and maintained a plan to inventory, map and determine the relative maintenance condition of structural post-construction BMPs as specified by section E.12.i(ii)(a-d)? (Year 3); OR Continued to implement plan to inventory, map and assessment of maintenance condition of post-construction BMPs? (Years 4-12) If 'No', please provide a brief explanation.	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
84	Conducted an analysis of the landscape code to correct gaps and impediments impacting effective implementation of post-construction standards? (E.12.j(ii)(a)) (Year 1) If 'No', please provide a brief explanation.	N/A				
85	Completed any changes to the landscape code to effectively administer post-construction requirements? (E.12.j(ii)(b)) (Years 2-12) If 'No', please provide a brief explanation.	No		The Cities of Solvang and Buellton did not find any impediments with administering the postconstruction requirements during the Municipal Landscape Gap Analysis, but they are considering future opportunities to improve that were identified during the analysis and/or adopt a new ordinance to align with the Department of Water Resource's Model Water Efficient Landscape Ordinance (MWELo).		

86	Implemented post-construction storm water management requirements based on a watershed-process approach as specified by section E.12.k? (Years 1-12)	NA		These requirements are superseded by the Central Coast adopted Post-Construction Requirements (PCRs). The Cities shall comply with the adopted and approved Stormwater Management Requirements for Development Projects in the Central Coast Region dated July 12, 2013.		
87	Proposed alternative post-construction requirements that achieved multiple-benefits as specified by section E.12.l? (Years 1-12)	No		The Cities of Solvang and Buellton did not submit a proposal to the Regional Water Board or the Executive Officer to obtain approval for alternative post-construction measures for multiple-benefit projects.		
null	WATER QUALITY MONITORING					
88	Indicate which water quality monitoring approach applies to your jurisdiction. Check all that apply.		303(d) Monitoring			
89	If you selected TMDL Monitoring or 303(d) Monitoring, did you consult with your Regional Water Board within Year 1 of the permit to determine monitoring study design and implementation schedule? (Year 1) If 'No', please provide a brief explanation.	N/A				
90	Indicate if you are or will be conducting water quality monitoring individually or as part of a regional program. (Years 1 and 2) If regional program, list the name of the program in the text box below. If a Permittee has a population less than 50,000 AND is not required to conduct ASBS, TMDL or 303(d) Monitoring (Sections E.13.(a)-(c)), then enter N/A		Regional Program	Both the City of Buellton and the City of Solvang are participating in the Santa Barbara County Public Works Department's Regional Water Quality Monitoring Program.		
91	Provide a status update regarding the development (including consultation with Regional Boards, if applicable), submittal and/or approval of the monitoring study design and implementation schedule. (Year 1)					
92	Upload the Monitoring Study Design and any available results for the monitoring option that applies to your jurisdiction. (Year 2)					
93	Provide a summary of the implementation of the water quality monitoring program and related results. (Year 3-12) Upload the Monitoring Study Results if monitoring was completed in the current reporting year.			Refer to attached 303(d) Monitoring Program Results.		
null	PROGRAM EFFECTIVENESS ASSESSMENT					
94	Developed and implemented a Program Effectiveness Assessment and Improvement Plan (PEAIP) that includes the minimum requirements listed in section E.14.a(ii)(a-f)? (Year 2) Continued to implement the PEAIP? (Years 3-12) If 'No', please provide a brief explanation. If 'Yes', upload required PEAIP as attachment if changes have been made to the PEAIP since being uploaded for previous annual reports.	Yes		No changes have been made to the PEAIP since being uploaded for previous annual reports.		

95	Provide a description of implementation of the Program Effectiveness Assessment and Improvement Plan, a summary of data obtained through effectiveness assessment measures and the short and long-term progress of the storm water program and an analysis of the data as described in section E.14.a(iii) of the permit. Select "Upload as an attachment" to attach a description/summary/analysis or "No attachment" to explain why an attachment was not included. (Years 3-12) {required}	Upload as an attachment		Refer to attached PEAIP Annual Summary Reports.		
96	Identified and summarized BMP and/or program modification identified in priority program areas that will be made in next permit term? (E.14.b.(ii)(a-d)) (Year 5) If 'No', please provide a brief explanation. If 'yes', upload required PEaip as attachment. {required if 'Yes'}	N/A				
null	TOTAL MAXIMUM DAILY LOADS COMPLIANCE REQUIREMENTS					
97	Attached TMDL implementation status report that includes the information listed in section E.15.d(i-iv)? (Years 1-12) {required if 'Yes'} If 'No', please provide a brief explanation.	NA		Although the Santa Ynez River is a 303(d) impaired water body, it was not identified within "Phase II Permit Traditional Small MS4 Attachment G-Region Specific Requirements" that outlines Regional Water Board Approved TMDLs.		
null	ADDITIONAL INFORMATION					
98	Optional: If you have any additional information, reports or attachments that you would like to provide to describe your storm water program please use the text box and/or the upload attachment button below. (Years 1-12)			Refer to attached CASQA Our Water Our World 2024 Annual Summary Report.		

Phase II Small MS4 Annual - Report - 2024-2025
CERTIFICATION

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

Name: Rose Hess	Title: Director of Public Works	Date: 10/14/2025
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**Phase II Small MS4 Annual - Report - 2024-2025
ATTACHMENTS**

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
2024-2025 303(d) Monitoring Report		2025-10-09 10:41:41.0	Supporting Documentation	c3d74d7460e2fff8fdb0ef2ff198be0518ced5d404d931b405df31f1e93ea	null/null
2024-2025 PEAIIP Annual Summary - Buellton	2024-2025 PEAIIP Annual Summary - Buellton	2025-10-13 17:45:28.0	Supporting Documentation	3f44415bef3753b6669455d869a253d6906d3498693799f819af5083bedcb14c	1/1
2024-2025 PEAIIP Annual Summary - Solvang	2024-2025 PEAIIP Annual Summary - Solvang	2025-10-13 17:45:33.0	Supporting Documentation	83f13528178ff57382aeb1326461d17c8c85db8921bb7d6344fef9cfebf5bfda	1/1
2024-2025 Our Water Our World Annual Report	2024-2025 Our Water Our World Annual Report	2025-10-13 17:48:21.0	Supporting Documentation	626bef25951d3494716bb87fd8a1233915ded68b9da0b548a24b061676	1/1

To: 303(d) Monitoring Partner Agencies:
City of Carpinteria
City of Goleta
City of Solvang
City of Buellton

From: Erin Maker, Manager, Project Clean Water, Water Resources Division, Public Works Department, County of Santa Barbara

Date: August 15, 2025

Subject: Transmittal of 303(d) Monitoring Program Results, 2024-2025

1.0 BACKGROUND

In accordance with the NPDES California Phase II General Municipal MS4 Permit (Permit) Section E.13.c 303(d) monitoring requirements, the County of Santa Barbara Project Clean Water (County), along with the Cities of Carpinteria, Goleta, Solvang, and Buellton (Partner Agencies), implemented the *303(d) Storm Water Monitoring Program*, which was approved by the Central Coast Regional Water Quality Control Board in their letter dated March 4, 2016. This program provides information used to meet Permit Section E.14.a. *Program Effectiveness Assessment and Improvement Plan* requirements by applying the results of the wet weather monitoring from representative urban land use sites to the Pollutant Load, Prioritization, Reduction (LPR) Model. The sampling data from 2016 through 2023 were analyzed and summarized in the *Urban Stormwater Monitoring Report* (Tetra Tech, 2024). Recommendations from the report to be implemented during the monitoring for this program include:

- 303(d) monitoring should continue at monitoring locations for SFR, industrial, commercial, and agricultural land uses for the parameters requiring additional samples to reach sufficient sample size to characterize mean concentrations.
- Monitoring should continue at the monitoring location within MFR land use for all parameters.
- Field measurements should be taken directly from flow, when possible, to reduce the potential for contamination from introducing a secondary container.
- An equipment blank should be analyzed at one location per storm event to test for anthropogenic contamination of sample collection devices, when a secondary sample collection device is used.

Monitoring activities are conducted according to the following documents:

- Urban Storm Water Monitoring Plan 2015-2018 (Geosyntec 2016)
- 303(d) Storm Water Sampling, Field Sampling Protocol (County 2023)
- 303(d) Sampling Details (County 2020)

The following summary and supporting documents describe implementation of the tenth year of the 303(d) Monitoring Program. Section 2 describes the storm events tracked throughout the year. A discussion of the lab results is provided in Section 3.

2.0 2024-2025 SAMPLING LOG

Rainfall data sources and distance to sampling locations are as follows:

- Carpinteria: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 208, Carpinteria Fire Station, within 0.75 miles of Carpinteria urban agriculture and residential monitoring locations.
- Goleta: Santa Barbara County Flood Control District Daily Rainfall Record Station 440 Goleta Fire Station, within 1.1 miles of Goleta commercial and 2 miles of Goleta industrial monitoring locations.
- Buellton: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 233 Buellton Fire Station #31, within 0.50 mile of the Buellton industrial monitoring location.
- Solvang: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 393 Solvang PW Water, within 1.3 miles of the Solvang residential monitoring location.

Rainfall amounts listed below are per storm, not rainfall day. The rainfall increment graphs are from the County of Santa Barbara's Real-time Rainfall, River-Stream, and Reservoir Data website: <https://rain.cosbpw.net/>.

Three monitoring events per year are targeted for each reference land use site; however, the ability to collect samples is dependent upon weather conditions, safety, staffing, and sufficient discharge to collect samples over the timeframe for aliquot sample collection. The 2024-2025 wet year had significant periods of dry weather and storm events that were not able to be sampled due to insufficient rainfall or flooding and dangerous road conditions.

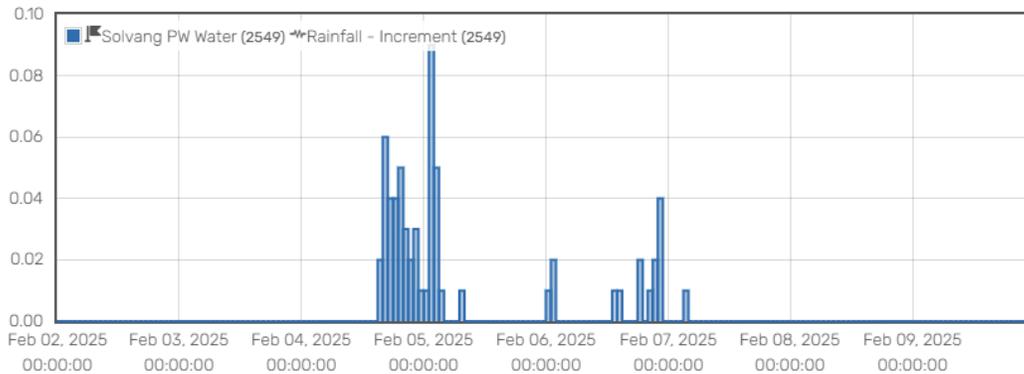
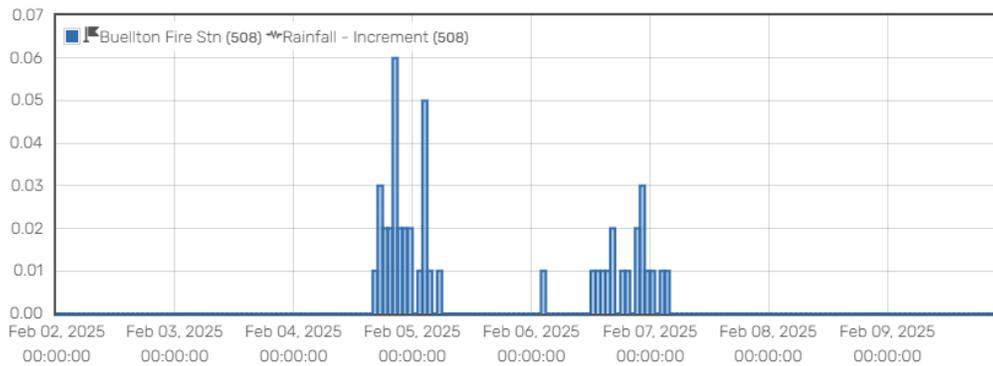
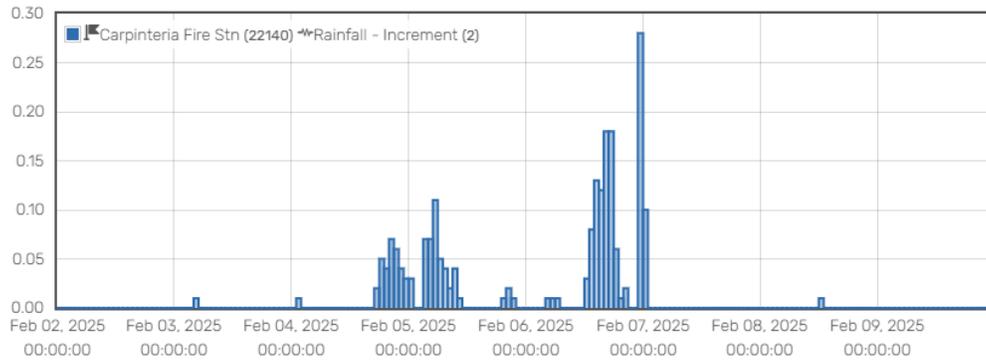
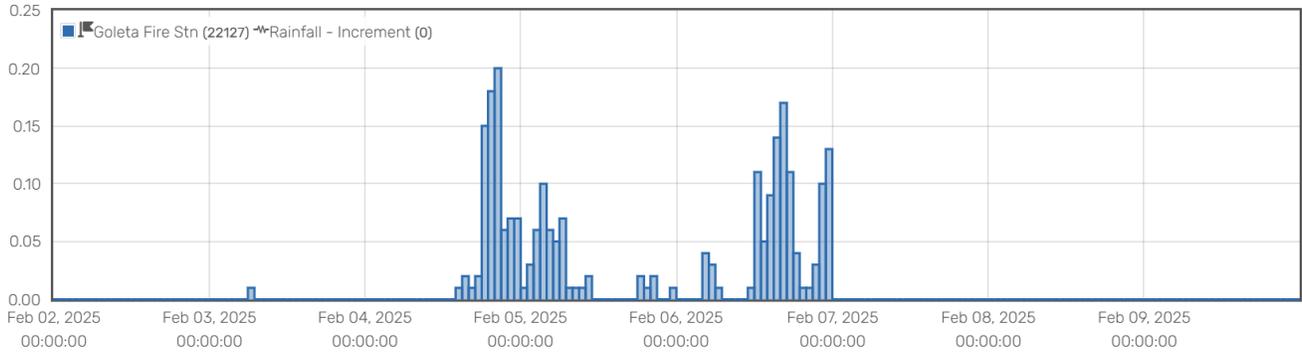
During the reporting period of Jul 1, 2024 – Jun 30, 2025, one wet-weather event was monitored at four locations. **Table 1** summarizes the event information.

Table 1. Sample Date, Event Total Rainfall, Location, and Reference Land Use

Sample Date	Event Total Rainfall (inches)	Sample Location	Reference Land Use
03/06/25	0.65	Buellton	Industrial
03/06/25	0.28	Goleta	Commercial
03/06/25	0.28	Goleta	Industrial
03/06/25	0.45	Carpinteria	Agricultural

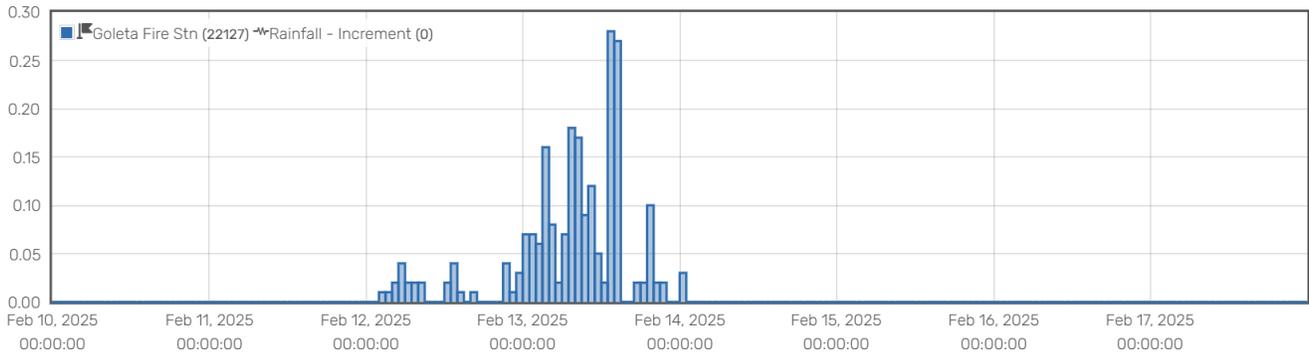
2.1 FEBRUARY 4-5, 2025 (FALSE START)

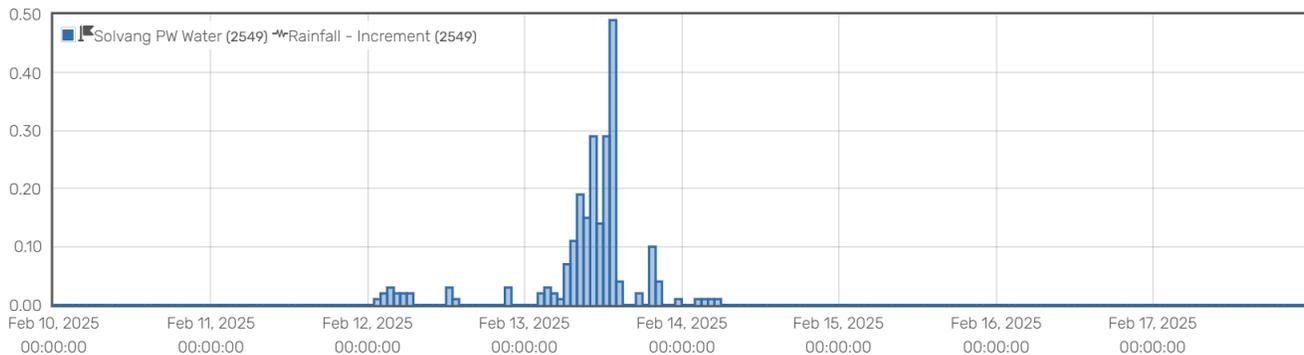
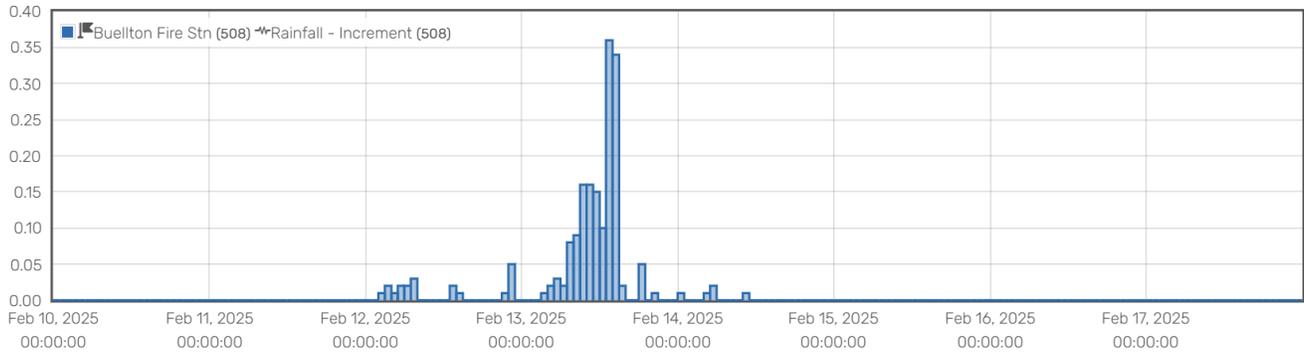
- Thursday, January 30, 2025:
 - Rainfall was forecast to occur Tuesday, February 4, through the morning of Wednesday, February 5, 2025.
 - Staff availability was requested and sampling preparation began.
- Monday, February 3, 2025:
 - Updated forecast reflects rainfall overnight (outside of safe sampling timeframe).
- Tuesday, February 4, 2025:
 - Forecast hold at the same probability and timeframe, outside of sampling hours.
- Wednesday, February 5, 2025:
 - Monitoring event was cancelled due to rainfall taking place outside of sampling hours.
- Rainfall totals for this storm event:
 - Goleta: 1.29"
 - Carpinteria: 0.81"
 - Buellton: 0.29"
 - Solvang: 0.48"



3.2 FEBRUARY 12-14, 2025 (FALSE START)

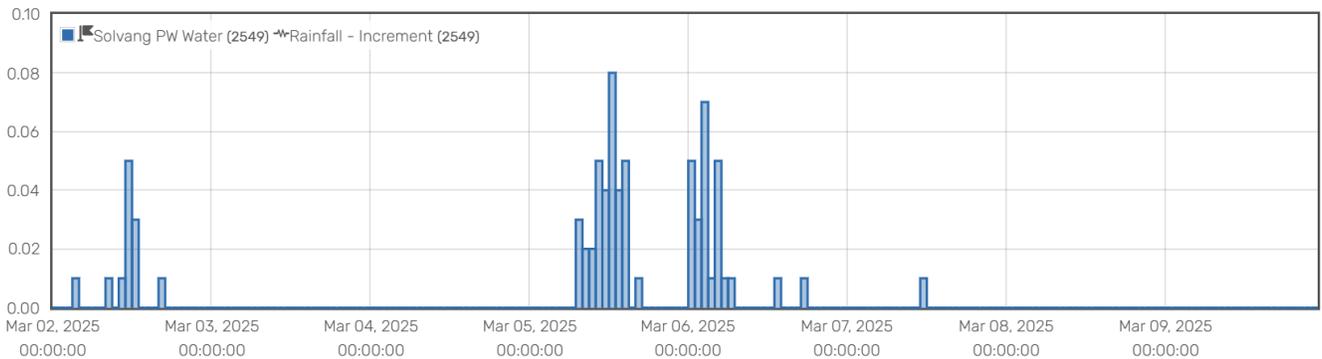
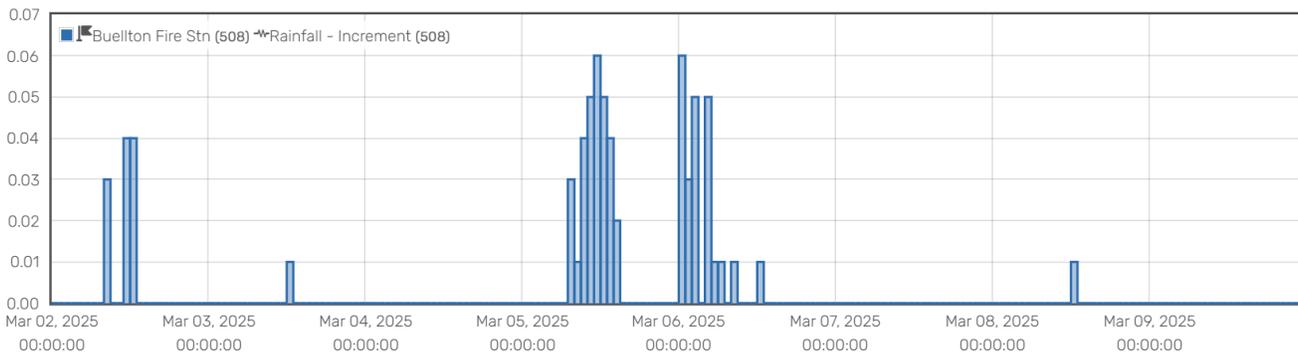
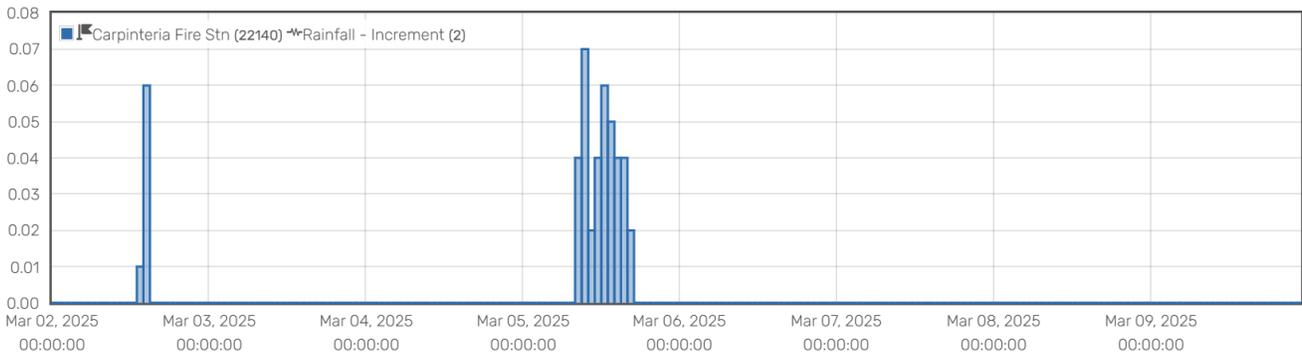
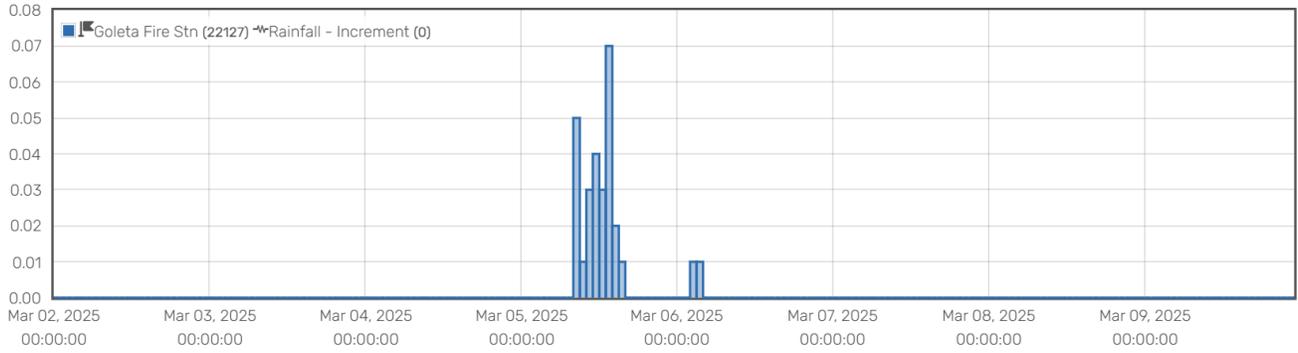
- Wednesday, February 5, 2025:
 - Rain forecast for the following week.
 - Requested staff availability, sampling preparation began.
- Friday, February 7, 2025:
 - Updated forecast stated a chance of rain the following Thursday.
- Monday, February 10, 2025:
 - Updated forecast stated a chance of rain with potential to sample Wednesday or Thursday.
 - National Weather Service issued a warning about potentially hazardous conditions (high winds and flooding) from the storm.
- Tuesday, February 11, 2025:
 - Planned to sample Wednesday before the more intense rainfall on Thursday.
 - Updated forecast reflected a decrease in storm duration, but increased in intensity and winds.
- Wednesday, February 12, 2025:
 - Updated forecast predicts high rainfall and hazardous conditions (high winds and flooding).
 - Sampling was cancelled due to safety concerns.
- Rainfall totals for this storm:
 - Goleta: 2.22"
 - Carpinteria: 2.20"
 - Buellton: 1.85"
 - Solvang: 2.25"





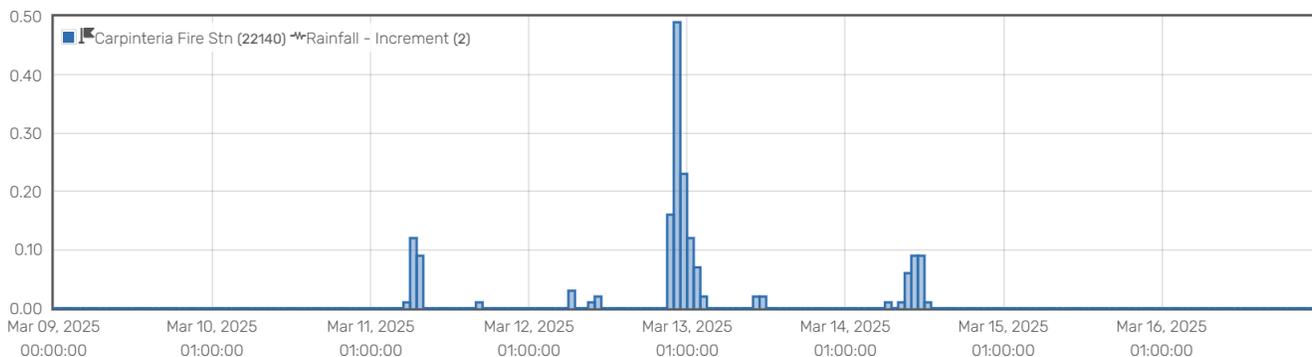
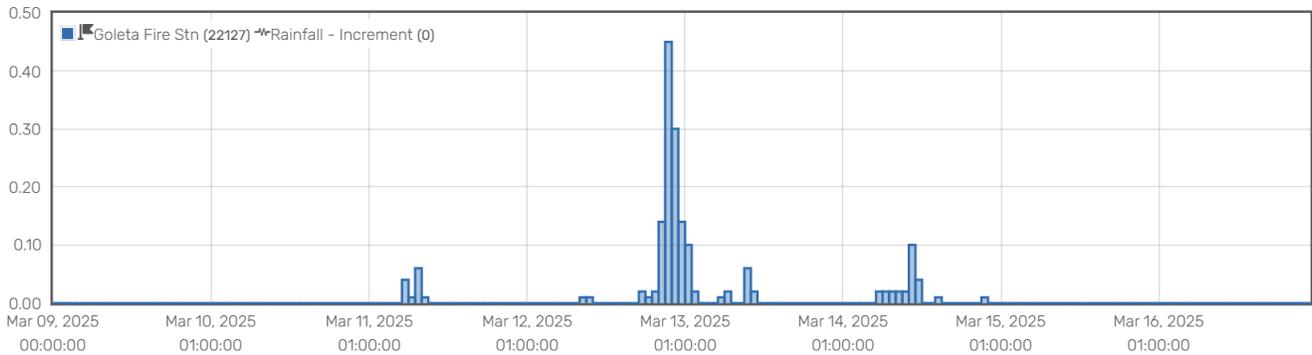
3.3 MONITORING EVENT - MARCH 5, 2025

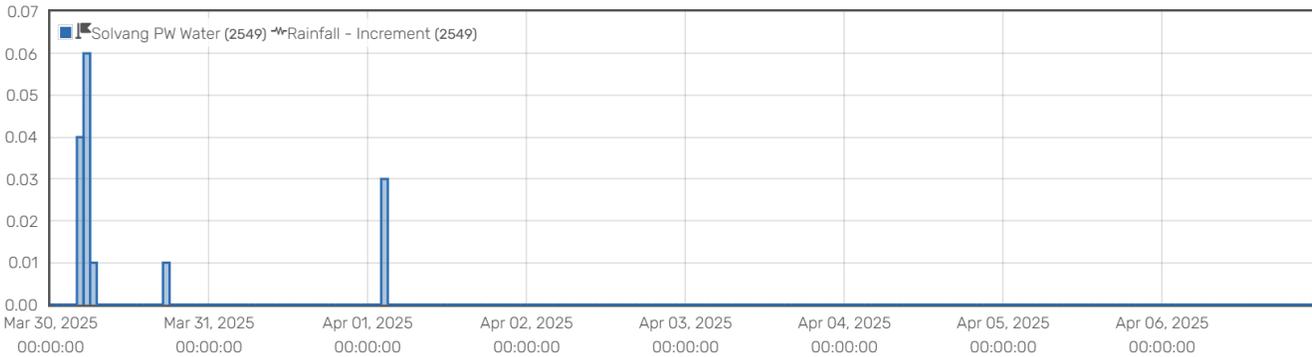
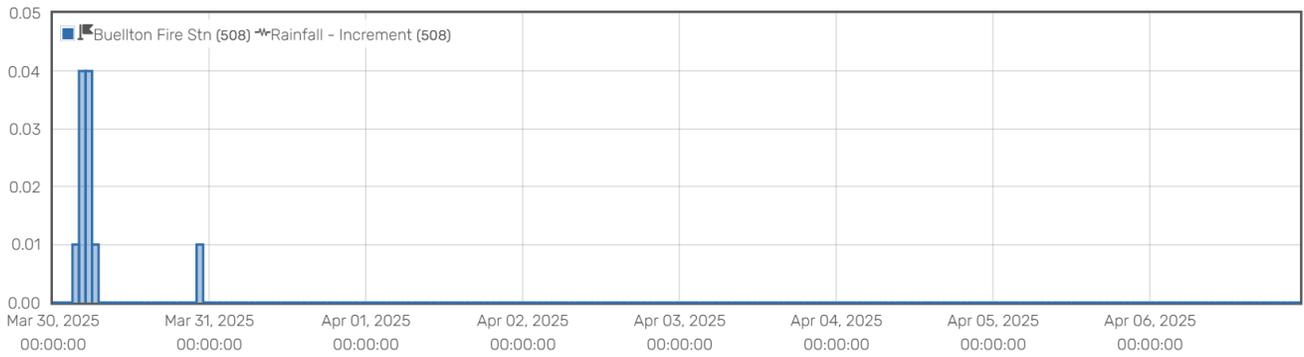
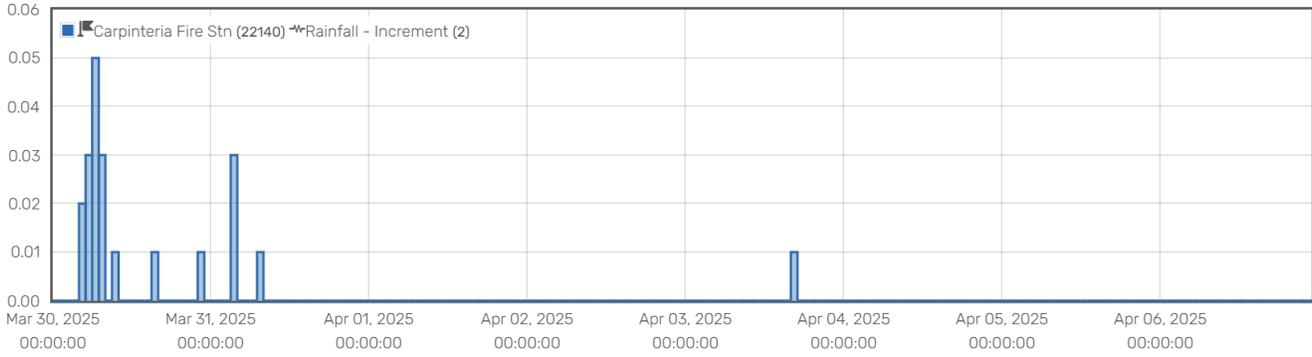
- Wednesday, February 26, 2025:
 - Rain was forecast for Tuesday and Wednesday of the following week.
 - Staff availability requested, sampling preparation began.
- Friday, February 28, 2025:
 - An updated forecast stated rainfall overnight Wednesday.
 - Staff are notified that coordination would continue on Monday, March 3.
- Monday, March 3, 2025:
 - An updated forecast predicted rainfall midday on Wednesday, staffing and preparation continued.
- Tuesday, March 4, 2025:
 - Forecast was updated and plans were confirmed to sample the morning of Wednesday, March 5.
 - Final staffing confirmed, four land uses to be sampled.
- Wednesday, March 5, 2025:
 - Carpinteria Urban Agriculture samples were collected beginning approximately 10:00 AM
 - Goleta Commercial samples were collected beginning approximately 12:00 PM
 - Buellton Industrial samples were collected beginning approximately 8:23 AM
 - Goleta Industrial samples were collected beginning approximately 9:05 AM
- Rainfall totals for this storm event:
 - Goleta: 0.28"
 - Carpinteria: 0.45"
 - Buellton: 0.65"
 - Solvang: 0.71"



3.4 MONITORING EVENT - MARCH 12-14, 2025

- Thursday, March 6, 2025:
 - Rain forecast for Monday through Wednesday of the following week.
 - Staff availability requested, sampling preparation began.
- Friday, March 7, 2025:
 - An updated forecast stated a decreased chance of rain early in the week.
- Monday, March 10, 2025:
 - Updated forecast reflected overnight rainfall Wednesday into Thursday.
- Tuesday, March 11, 2025:
 - The forecast showed minimal rain taking place Wednesday afternoon, with most of the storm occurring overnight.
- Wednesday, March 12, 2025:
 - An updated forecast is sent out showing decreased forecast during the workday.
 - Final sampling decision pending updated forecast.
- Thursday, March 13, 2025:
 - An updated forecast stated rainfall overnight only (outside of safe sampling hours) and the sampling effort was cancelled.
- Rainfall totals from this storm event:
 - Goleta: 1.71"
 - Carpinteria: 1.69"
 - Buellton: 1.97"
 - Solvang: 1.97"





3.0 COMPARISON TO CENTRAL COAST BASIN PLAN OBJECTIVES

As stated above, the goal of the Monitoring Program is to populate the LRP Model with local data, but as a reference point, the County has elected to compare the monitoring results to Central Coast Basin Plan objectives for applicable constituents. Only results that exceeded an objective are discussed below, as well as possible sources of the constituent (from literature and knowledge of the area).

Total Aluminum (1,000 micrograms per liter [ug/L])

Goleta Industrial (1,970 ug/L)

Natural sources of aluminum may include soil and geologic erosion. Possible anthropogenic sources of aluminum are galvanized metal surfaces (roofing, gutters, fences, etc.), automotive parts, and aluminum foil.

Bifenthrin (0.2465 nanograms per liter [ng/L])

Buellton Industrial (8 ng/L)

Goleta Industrial (2.8 ng/L)

Goleta Commercial (8.7 ng/L)

Carpentaria Agriculture (2.1 ng/L)

Bifenthrin is a pyrethroid insecticide. Sources may include products used for agricultural crops and commercial and residential lawns.

Dissolved Copper (4.32 ug/L)

Buellton Industrial (4.54 ug/L)

Goleta Industrial (13.4 ug/L)

Goleta Commercial (14.6 ug/L)

Carpentaria Agriculture (10.1 ug/L)

Natural sources of copper may include soil and geologic erosion. Anthropogenic sources may include pesticides and herbicides, brake pads, vehicle parts, roofing, and metal plating.

Total Copper (10 ug/L)

Goleta Commercial (38.6 ug/L)

Goleta Industrial (29.7 ug/L)

Carpinteria Agriculture (21.5 ug/L)

Natural sources of copper may include soil and geologic erosion. Anthropogenic sources may include pesticides and herbicides, brake pads, vehicle parts, roofing, and metal plating.

Cypermethrin (0.28 ng/L)

Buellton Industrial (1.2 ng/L)

Goleta Commercial (2 ng/L)

Cypermethrin is a synthetic pyrethroid insecticide used in large-scale commercial agricultural applications as well as consumer products for domestic purposes. Its primary function is to control a wide array of insects that pose a threat to crops, livestock, and human health.

L-Cyhalothrin (0.04 ng/L)

Buellton Industrial (2.0 ng/L)

Goleta Industrial (1.8 ng/L)

Carpinteria Agriculture (2.3 ng/L)

L-Cyhalothrin is contained in pyrethroid insecticides. Sources may include pest-control products used by homeowners and commercial farm operators.

Total Nitrogen (0.38 milligrams per liter [mg/L])

Buellton Industrial (2.2 mg/L)

Goleta Commercial (8.43 mg/L)

Goleta Industrial (6.77 mg/L)

Carpinteria Agriculture (9.69 mg/L)

Natural sources of nitrogen may include atmospheric deposition, plant decomposition, wild animal waste, etc. Anthropogenic sources may include fertilizers used for landscaping, improper management of pet and yard waste, and to a lesser degree, human waste (i.e., outdoor toileting).

Orthophosphate as P (0.3 mg/L)

Goleta Commercial (0.82 mg/L)

Goleta Industrial (0.59 mg/L)

Carpinteria Agricultural (9.5 mg/L)

Natural sources of orthophosphate include waterfowl waste, atmospheric deposition, weathering of geologic phosphate material, and plant decomposition. Anthropogenic sources may include fertilizers, pet waste, and agricultural or urban runoff.

Dissolved Phosphorus (0.02188 mg/L)

Buellton Industrial (0.34 mg/L)

Goleta Commercial (0.58 mg/L)

Goleta Industrial (0.50 mg/L)

Carpinteria Agriculture (9.47 mg/L)

Natural sources of phosphorus may include atmospheric deposition, plant decomposition, and weathering of rock, wild animal waste, etc. Anthropogenic sources may include fertilizers in landscaping runoff, improper management of pet and yard wastes, and to a lesser degree, human waste (i.e., outdoor toileting).

Tau-Fluvalinate (0.64 ng/L)

Carpinteria Agriculture (0.85 ng/L)

Tau-Fluvalinate is a synthetic pyrethroid insecticide, it is used for pest control on crops like wine grapes and to control varroa mites in honeybee colonies. It is also used in commercial and residential settings on landscaping.

Dissolved Zinc (42.25 ug/L)

Buellton Industrial (76.2 ug/L)

Goleta Commercial (272 ug/L)

Goleta Industrial (111 ug/L)

Carpinteria Urban Agriculture (224 ug/L)

Natural sources of zinc may include soil and geologic erosion. Anthropogenic sources may include fertilizers, wood preservative, plating and metal work, paints containing corrosion inhibitor, atmospheric deposition from fossil fuel combustion, industrial processes, and galvanized metal surfaces (roofing, gutters, fences, etc.).

Total Zinc (4 ug/L)

Buellton Industrial (129 ug/L)

Goleta Commercial (334 ug/L)

Goleta Industrial (267 ug/L)

Carpinteria Urban Agriculture (232 ug/L)

Natural sources of zinc may include soil and geologic erosion. Anthropogenic sources may include fertilizers, wood preservative, plating and metal work, paints containing corrosion inhibitor, atmospheric deposition from fossil fuel combustion, industrial processes, and galvanized metal surfaces (roofing, gutters, fences, etc.).

Summary statistics that are normally included in this report could not be provided due to lack of data for each parameter-land use combination (i.e., only one sampling event).

4.0 2024-2025 LAB RESULTS

Analyte	06 March 2025 Buelton Industrial	06 March 2025 Goleta Commercial	06 March 2025 Goleta Industrial	06 March 2025 Carpinteria Urban Agricultural	Units	Water Quality Guidance	Units2	Analyte2
1,3-Dimethyl-2-nitrobenzene [surr]	146	196	126	NA	ng/l	NA	NA	1,3-Dimethyl-2-nitrobenzene [surr]
Allethrin	ND	ND	ND	ND	ng/l	1.05	ug/l	Allethrin
Aluminum, Dissolved	15	36.9	16.2	37	ug/l	NA	NA	Aluminum, Dissolved
Aluminum, Total	307	342	1970	880	ug/l	1000	ug/l	Aluminum, Total
Ammonia as N	0.258	1.27	0.792	0.097	mg/l	NA	NA	Ammonia as N
Azinphos methyl (Guthion)	ND	ND	ND	ND	ng/l	0.08	ug/l	Azinphos methyl (Guthion)
Bifenthrin	8	8.7	2.8	2.1	ng/l	0.2465	ng/L	Bifenthrin
Bolstar	ND	ND	ND	ND	ng/l	NA	NA	Bolstar
Cadmium, Dissolved	0.09	0.15	0.14	0.072	ug/l	1	ug/l	Cadmium, Dissolved
Cadmium, Total	0.24	0.485	0.47	0.2	ug/l	2.108	ug/l	Cadmium, Total
Calcium, Total	10.4	27.5	38.1	25.9	mg/l	NA	NA	Calcium, Total
Chlorpyrifos	ND	ND	ND	ND	ng/l	0.0069	ug/l	Chlorpyrifos
Copper, Dissolved	4.54	14.6	13.4	10.1	ug/l	4.32	ug/l	Copper, Dissolved
Copper, Total	ND	38.6	29.7	21.5	ug/l	10	ug/L	Copper, Total
Coumaphos	ND	ND	ND	ND	ng/l	0.037	ug/l	Coumaphos
Cyfluthrin	ND	ND	ND	ND	ng/l	12.5	ng/l	Cyfluthrin
Cypermethrin	1.2	2	ND	ND	ng/l	0.28	ng/l	Cypermethrin
d10-Diazinon [surr]	67	63	60	67	ng/l	NA	NA	d10-Diazinon [surr]
d6-Bifenthrin [surr]	84	80	74	77	ng/l	NA	NA	d6-Bifenthrin [surr]
d6-Deltamethrin [surr]	51	47	37	50	ng/l	NA	NA	d6-Deltamethrin [surr]
Demeton-o	ND	ND	ND	ND	ng/l	NA	NA	Demeton-o
Demeton-s	ND	ND	ND	ND	ng/l	NA	NA	Demeton-s
Diazinon	ND	ND	ND	ND	ng/l	105	ng/l	Diazinon
Dichloran	ND	ND	ND	ND	ng/l	1035	ug/l	Dichloran
Dichlorvos	ND	ND	ND	ND	ng/l	33.4	ng/L	Dichlorvos
Dimethoate	ND	ND	ND	ND	ng/l	21.5	ug/l	Dimethoate
Disulfoton	ND	ND	ND	ND	ng/l	1.95	ug/l	Disulfoton
Ethoprop	ND	ND	ND	ND	ng/l	22	ug/l	Ethoprop
Ethyl parathion	ND	ND	ND	ND	ng/l	NA	NA	Ethyl parathion
Fenpropathrin (Danitol)	ND	ND	ND	ND	ng/l	1.525	ng/L	Fenpropathrin (Danitol)
Fensulfothion	ND	ND	ND	ND	ng/l	NA	NA	Fensulfothion
Fenthion	ND	ND	ND	ND	ng/l	2.6	ug/l	Fenthion
Hardness as CaCO3, Total	34.3	87.4	115	93.8	mg/l	>100 = hard, <100=soft	mg/l	Hardness as CaCO3, Total
Iron, Dissolved	35.3	100	63.6	178	ug/l	5000	ug/l	Iron, Dissolved
Iron, Total	536	772	2660	648	ug/l	NA	NA	Iron, Total
L-Cyhalothrin	2	ND	1.8	2.3	ng/l	0.04	ng/l	L-Cyhalothrin
Lead, Dissolved	0.25	1	0.404	0.464	ug/l	17.04	ug/l	Lead, Dissolved
Lead, Total	1.25	3.78	9.9	3.1	ug/l	30	ug/L	Lead, Total
Magnesium, Total	2.02	4.56	4.85	7.09	mg/l	NA	NA	Magnesium, Total
Malathion	ND	ND	ND	ND	ng/l	0.1	ug/l	Malathion
Methyl parathion	ND	ND	ND	ND	ng/l	0.485	ug/l	Methyl parathion
Mevinphos	ND	ND	ND	ND	ng/l	NA	NA	Mevinphos
Nitrate as N	0.38	1.33	1.29	6.75	mg/l	8	mg/L	Nitrate as N
Nitrite as N	25	194	146	101	ug/l	10,000	ug/L	Nitrite as N
Nitrogen, Total	2.2	8.43	6.77	9.69	mg/l	0.38	mg/l	Nitrogen, Total
NO2+NO3 as N	400	1530	1440	776	ug/l	100,000	NA	NO2+NO3 as N
o-Phosphate as P	0.29	0.82	0.59	9.5	mg/l	0.3	mg/L	o-Phosphate as P
o-Phosphate as P, dissolved	280	820	590	9600	mg/l	NA	NA	o-Phosphate as P, dissolved
Permethrin	ND	ND	ND	ND	ng/l	3.3	ng/l	Permethrin
Phorate	ND	ND	ND	ND	ng/l	0.3	ug/l	Phorate
Phosphorus, Dissolved	0.34	0.58	0.5	9.47	mg/l	0.02188	mg/l	Phosphorus, Dissolved
Phosphorus, Total	0.37	1.06	0.92	14.5	mg/l	NA	NA	Phosphorus, Total
Prallethrin	ND	ND	ND	ND	ng/l	3.1	ug/l	Prallethrin
Ronnel	ND	ND	ND	ND	ng/l	NA	NA	Ronnel
Stirophos	ND	ND	ND	ND	ng/l	NA	NA	Stirophos
Sumithrin (Phenothrin)	ND	ND	ND	ND	ng/l	2.2	ug/l	Sumithrin (Phenothrin)
Tau-Fluvalinate	ND	ND	ND	0.85	ng/l	0.64	ng/l	Tau-Fluvalinate
Tefluthrin	ND	ND	ND	ND	ng/l	0.035	ug/l	Tefluthrin
Tetramethrin	ND	ND	ND	ND	ng/l	2.1	ng/l	Tetramethrin
TKN	1.8	6.9	5.33	1.93	mg/l	NA	NA	TKN
Tokuthion (Prothiofos)	ND	ND	ND	ND	ng/l	NA	NA	Tokuthion (Prothiofos)
Total Suspended Solids	19.5	41.3	114	23.2	mg/l	NA	NA	Total Suspended Solids
Trichloronate	ND	ND	ND	ND	ng/l	NA	NA	Trichloronate
Triphenyl phosphate [surr]	146	268	239	NA	ng/l	NA	NA	Triphenyl phosphate [surr]
Zinc, Dissolved	76.2	272	111	224	ug/l	42.25	ug/l	Zinc, Dissolved
Zinc, Total	129	334	267	232	ug/l	4	ug/L	Zinc, Total

Notes: ND - analyte not detected
NA - no water quality standard exists for this analyte

5.0 WATER QUALITY BENCHMARKS AND THRESHOLDS

Analyte	Source Water Quality Guidance
1,3-Dimethyl-2-nitrobenzene [surr]	
Allethrin	OPP Aquatic Life Benchmarks, acute invertebrates
Aluminum, Dissolved	
Aluminum, Total	Water Quality Control Plan for the Central Coast Basin, Municipal/Domestic, 2011
Ammonia as N	
Azinphos methyl (Guthion)	OPP Aquatic Life Benchmarks, acute invertebrates
Bifenthrin	OPP Aquatic Life Benchmarks, acute invertebrates
Bolstar	
Cadmium, Dissolved	USEPA Aquatic Life Ambient Water Quality Criteria, acute freshwater 2016
Cadmium, Total	USEPA Aquatic Life Ambient Water Quality Criteria, acute freshwater 2016
Calcium, Total	
Chlorpyrifos	OPP Aquatic Life Benchmarks, acute invertebrates
Copper, Dissolved	Water Quality Control Plan for the Central Coast Basin, Aquatic Life, 2011
Copper, Total	
Coumaphos	OPP Aquatic Life Benchmarks, acute invertebrates
Cyfluthrin	OPP Aquatic Life Benchmarks, acute invertebrates
Cypermethrin	OPP Aquatic Life Benchmarks, acute invertebrates
Deltamethrin/Tralomethrin	OPP Aquatic Life Benchmarks, acute invertebrates
Demeton-o	
Demeton-s	
Desulfinyfipronil	OPP Aquatic Life Benchmarks, acute invertebrates
Diazinon	OPP Aquatic Life Benchmarks, acute invertebrates
Dichloran	
Dichlorvos	OPP Aquatic Life Benchmarks, acute invertebrates
Dimethoate	OPP Aquatic Life Benchmarks, acute invertebrates
Disulfoton	OPP Aquatic Life Benchmarks, acute invertebrates
Ethoprop	OPP Aquatic Life Benchmarks, acute invertebrates
Ethyl parathion	
Fenpropathrin (Danitol)	OPP Aquatic Life Benchmarks, acute invertebrates
Fensulfothion	
Fenthion	OPP Aquatic Life Benchmarks, acute invertebrates
Fenvalerate/Esfenvalerate	
Fipronil	OPP Aquatic Life Benchmarks, acute invertebrates
Fipronil sulfide	
Fipronil sulfone	OPP Aquatic Life Benchmarks, acute invertebrates
Hardness as CaCO3, Total	Water Quality Control Plan for the Central Coast Basin, 2011
Iron, Dissolved	Water Quality Control Plan for the Central Coast Basin, Agricultural, 2011
Iron, Total	
L-Cyhalothrin	OPP Aquatic Life Benchmarks, acute invertebrates
Lead, Dissolved	Water Quality Control Plan for the Central Coast Basin, Municipal/Domestic, 2011
Lead, Total	

Analyte	Source Water Quality Guidance
Magnesium, Total	
Malathion	USEPA Aquatic Life Criteria, chronic freshwater
Merphos	
Methyl parathion	OPP Aquatic Life Benchmarks, acute invertebrates
Mevinphos	
Naled	OPP Aquatic Life Benchmarks, acute invertebrates
Nitrate as N	
Nitrite as N	
Nitrogen, Total	USEPA Nutrient Criteria Rivers and Streams Ecoregion III, 2002
NO2+NO3 as N	
o-Phosphate as P	
o-Phosphate as P, dissolved	
Pendimethalin	OPP Aquatic Life Benchmarks, acute invertebrates
Permethrin	OPP Aquatic Life Benchmarks, acute invertebrates
Perylene-d12 [surr]	
Phorate	OPP Aquatic Life Benchmarks, acute invertebrates
Phosphorus as P, Total	USEPA Nutrient Criteria Rivers and Streams Ecoregion III, 2002
Phosphorus, Dissolved	
Prallethrin	OPP Aquatic Life Benchmarks, acute invertebrates
Ronnel	
Stirophos	
Sumithrin (Phenothrin)	OPP Aquatic Life Benchmarks, acute invertebrates
Tefluthrin	OPP Aquatic Life Benchmarks, acute invertebrates
TKN	
Tokuthion (Prothiofos)	
Total Suspended Solids	
Trichloronate	
Triphenyl phosphate [surr]	
Triphenyl phosphate [surr]	
Zinc, Dissolved	Water Quality Control Plan for the Central Coast Basin, Aquatic Life, 2011
Zinc, Total	

City of Buellton

Stormwater Program Effectiveness Assessment and Improvement Plan Annual Summary 2024-2025

October 13, 2025

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TABLE OF CONTENTS

1.0 INTRODUCTION..... 1

2.0 PROGRAM ASSESSMENT METHODS.....4

3.0 PROGRAM EFFECTIVENESS ASSESSEMENT FINDINGS..... 12

 3.1 Nutrients12

 3.1.1 Education and Outreach (CASQA Outcome Levels 2 & 3)12

 3.1.2 Public Involvement and Participation (CASQA Outcome Levels 2 & 3).....15

 3.1.3 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)15

 3.1.4 Pollution Prevention and Good Housekeeping (CASQA Outcome Levels 2-4)17

 3.1.5 Water Quality Monitoring (CASQA Outcome Level 5)18

 3.2 Total Suspended Solids.....**Error! Bookmark not defined.**

 3.2.1 Education and Outreach (CASQA Outcome Levels 2 & 3)19

 3.2.2 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)19

 3.2.3 Construction Site Stormwater Runoff Control (CASQA Outcome Levels 2 & 3).....19

 3.2.4 Post-Construction Site Stormwater Runoff Control (CASQA Outcome Levels 2 & 3)19

 3.2.5 Pollution Prevention and Good Housekeeping (CASQA Outcome Levels 2 & 3)20

 3.2.6 Water Quality Monitoring (CASQA Outcome Level 5)20

4.0 PROGRAM EFFECTIVENESS SUMMARY..... 20

5.0 REFERENCES..... 22

TABLES

Table 1. PEAIIP Table 5, *Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element*5

Table 2. PEAIIP Table 6, *Sedimentation/Siltation (Total Suspended Solids) Questions, Data Assessment Methods, and Data Collection Methods, by Program Element*11

ACRONYMS/ABBREVIATIONS

Acronyms/Abbreviations	Definition
BMP	Best management practice
CASQA	California Stormwater Quality Association
Central Coast Water Board	Central Coast Regional Water Quality Control Board
CTPL	Close the Poop Loop
CBSM	Community-based social marketing
E&SCP	Erosion and Sediment Control Plan
FOG	Fats, oils, and grease
IDDE	Illicit discharge detection and elimination
IWD	Industrial waste discharge
LPRM	Load prioritization and reduction model
MEP	Maximum extent practical
MS4	Municipal separate storm sewer system
NPDES	National Pollutant Discharge Elimination System
PCR	Post-construction requirement
PEAIP	Program Effectiveness Assessment and Improvement Plan
POC	Pollutant of concern
SOP	Standard operating procedure
SWCP	Storm Water Control Plan
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SYVBG	Santa Ynez Valley Botanic Garden
TMDL	Total Maximum Daily Load
WDR	Waste Discharge Requirement
WPCP	Water Pollution Control Plan
WQO	Water Quality Order
WWTP	Wastewater treatment plant

1.0 INTRODUCTION

This *Program Effectiveness Assessment and Improvement Plan (PEAIP) Annual Summary* evaluates the effectiveness of best management practices (BMPs) implemented in the 2024-2025 reporting year (Year 12) by the City of Buellton (City) to meet the requirements of its *Storm Water Management Plan (SWMP) Guidance Document* (approved in 2014 and modified in reporting Year 5, 2019) and the *Small Municipal Separate Storm Sewer System (MS4) Permit, Water Quality Order 2013-0001-DWQ, amended by Order 2015-0133-EXEC, 2016-0069-EXEC, 2017-XXXX-DWQ, 2018-0001-EXEC, and 2018-0007-EXEC* (Small MS4 Permit). The Small MS4 Permit requires the City to implement its PEAIP (City of Buellton 2016), which describes how the City will track short- and long-term effectiveness of the Stormwater Program. The PEAIP defines the approach the City will use to adaptively manage the Program to improve its ability to reduce the identified high- and medium-priority pollutants of concern (POCs)—nutrients and sedimentation/siltation—thereby achieving the maximum extent practicable (MEP) standard and protecting water quality. Per the Small MS4 Permit, the PEAIP was developed using the most recent California Stormwater Quality Association's (CASQA's) effectiveness assessment guidance document, *Program Effectiveness Assessment and Improvement Plan (PEAIP) Framework for Traditional MS4s* (2015) and is based six Outcome Levels that categorize BMP actions:

- 1) Stormwater program activities;
- 2) Raising awareness (i.e., barriers and bridges to action);
- 3) Changing behavior (i.e., target audience actions);
- 4) Pollutant load reductions (i.e., source contributions);
- 5) MS4 discharge quality, where assessment is supported by MS4 discharge quality data (i.e., urban runoff and MS4 contributions); and
- 6) Receiving water conditions.

The City documented within the PEAIP management questions for high- and medium-priority POCs and conducted a source assessment for each POC. The data collected was then used to improve the Stormwater Program. Target audiences for each source of high- and medium-priority POC and prioritized BMP for POC were determined based on:

- *303(d) List of Impaired Waterbodies* and Santa Ynez River Total Maximum Daily Loads (TMDLs);
- Central Coast Water Board's consultation handout *Solvang–Buellton Urban Water Quality Profile* (2014);
- Central Coast Ambient Monitoring Program's Ambient Water Quality Data;
- SWMP Guidance Document's List of POCs;
- Proposed *Urban Storm Water Monitoring Plan 2015-2018* (County of Santa Barbara *et al* 2015, revised 2016 and 2024); and
- Professional judgment and knowledge of local and regional water quality issues and common urban pollutants.

The prioritized BMPs reflect Stormwater Program activities to change behaviors of target audiences and result in POC reduction. The prioritized BMPs, listed in Figure 8 of the PEAIP, *Prioritized BMPs Identified for Target Audiences* (see Figure 1 of this report), are being implemented as part of Stormwater Program. Applicable data was collected and analyzed for each BMP at the close of Permit Year 12 (July 1, 2024, through June 30, 2025) in order to assess program effectiveness and identify opportunities for improvement. This report summarizes implementation of the City's Stormwater Program for Year 12 and its effectiveness pursuant to the PEAIP (City of Buellton 2016).

As stated in the PEAIP, stormwater programs are inherently complex due to the variety of possible pollutant sources (e.g., construction, industrial, commercial, residential, new development, etc.), limited ability to directly control the behaviors of target audiences, wide geographic coverage of the programs, comingling of flows within the drainage system, and the potential impacts to water quality from non-municipal stormwater sources (e.g., wind-blown materials, groundwater seepage, aerial deposition, etc.). Additionally, the ability to determine whether target audiences have been reached and are understanding and retaining information provided by the Program

and whether the implemented BMPs are changing behavior, is difficult to measure. Therefore, the PEAIIP is focused on the Stormwater Program's impact, rather than the strict implementation of the Program, to allow the City to gauge whether the Program is achieving the intended outcomes and reaching the target audiences and to identify necessary modifications to the Program to make it more effective.

2.0 PROGRAM ASSESSMENT METHODS

The Program are largely intended to achieve Outcome Level 2, *Barriers and Bridges to Action*, and Outcome Level 3, *Target Audience Actions*. Per the PEAIIP, Outcome Level 3 focuses on identifying target audiences associated with the primary sources of high- and medium priority POCs, as well as the behavioral patterns of these target audiences, with the goal of assessing behavior change over time. Outcome Level 2 focuses on identifying the *factors* that influence target audience behaviors and using these factors to bring awareness of the need to reduce pollutant-generating activities and implement prioritized BMPs. Level 2 Outcomes are often used to gauge progress in, or to refine approaches for, achieving Level 3 Outcomes. Target audiences are the individuals and populations that a stormwater program is directed to and may include, but are not limited to, municipal employees, contractors, owners/employees at industrial and commercial businesses, and the general public. Because source reductions can only be achieved by the people responsible for pollutant loadings, a successful program will be one that is able to induce positive behavioral changes in the target audiences.

The City also focuses BMPs to achieve *Urban Runoff and MS4 Contributions* (i.e., CASQA Outcome Level 5) and associated *Source Contributions* (i.e., CASQA Outcome Level 4) for high- and medium-priority POCs. Level 5 Outcomes provide a direct measure of the City's contributions to downstream receiving waters; thus, it is a good gauge of stormwater program effectiveness over time. It can also be used to inform a better understanding of source contributions pursuant to Outcome Level 4. However, due to the temporal and spatial variability of water quality data, a significant amount of data is needed to establish linkages between pollutants in MS4 discharges and the conditions within the receiving waters. Additionally, the City population is small, approximately 5,000 people, and the City's urbanized footprint comprises a very small proportion of the watershed; therefore, MS4 discharges would comprise an equally small proportion of runoff compared to contributions to the receiving waters from other land uses (i.e., natural areas, agriculture, etc.). The City participates in a regional 303(d) water quality monitoring program with partner MS4s, which is led by the County of Santa Barbara. The goal of the monitoring program is to "characterize pollutant concentrations and loads from representative MS4 discharge locations within the County" and subsequently refine the pollutant loading information within the land use-based pollutant load prioritization and reduction model (LPRM). Over time, the calibrated and refined LPRM will be used by the City to assess the impact of BMPs on subwatersheds; compare pollutant loading between subwatersheds; and better tailor future BMPs by focusing on areas of potentially higher pollutant loading.

This PEAIIP is organized by high-and medium-priority POCs—nutrients and sedimentation/siltation. The assessment was conducted according to the management questions, data collection, and data assessment methods outlined within Table 5 and 6 of the PEAIIP (see Tables 1 and 2 of this report). The data assessment for each POC consisted primarily of a qualitative assessment and/or uses of descriptive statistics. Data collection methods included internal tracking by the City, review of external data sources, interviews/surveys, and site investigations/inspections.

Table 1. PEAIIP Table 5, Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Education and Outreach [Outcome Level 2-3]					
Has the City developed education and outreach materials with information regarding proper use and disposal of fertilizers?	Yes	Descriptive Statistics Number of education and outreach materials containing information regarding proper use and disposal of fertilizers.	8 relevant brochures and 2 BMP guides are available on the SWMP website, 1 article was published in the <i>Buellton Buzz</i> newsletter, 2 social media posts, Tips of the Month in the Buellton Chamber of Commerce newsletter and on the SWMP website, Household Hazardous Waste Disposal Days are advertised on City social media, and links to Marborg waste disposal resources are included in seasonal articles.	Internal Tracking by Stormwater Program City SWMP File Views/Hits (English and/or Spanish)	The City's Stormwater Management webpage received 285 views during this reporting year.
Are education and outreach materials available at City designated facilities, City sponsored events or on the City website?	Yes	Number of education and outreach events participated in and estimated of number of education and outreach materials distributed at City designated facilities, City's sponsored events Stormwater Display Booth or through City website.	Over 122 people visited the Stormwater Booth during the reporting year's three outreach events, in which pet education materials were provided. 61 brochures were taken at City Hall and the Santa Ynez Botanic Garden kiosk during the reporting year. 15 educational brochures are available on the City's website.	Brochure Distribution at City designated facilities, City sponsored events or through City website	The City distributed brochures at three outreach events during the reporting year.
Does the City have a targeted pet waste/livestock educational program?	Yes	Number of target audience mailers to residents with registered pets, livestock owners, etc.	The City applicable education in the bimonthly water bill inserts (i.e., <i>Buellton Buzz</i>), <i>Tips of the Month</i> in Buellton Chamber of Commerce newsletter, on the SWMP website, in social media posts shared on the City's Facebook page, which has 899 followers. The BMP Guides, <i>Animal Care and Handling Facilities</i> and <i>Pet Owners</i> , were updated in 2024.	Number of Visitors to the City's sponsored events Stormwater Display Booth	Over 122 people visited the Stormwater Booth during the reporting year's outreach events, in which pet education materials were provided. Pet waste bag dispensers are distributed at outreach events and provided to the local humane society.

Table 1. PEAIP Table 5, Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element (Continued)

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Education and Outreach [Outcome Level 2-3]					
Are education and outreach materials provided during Fats, Oil and Grease (FOG) and/or Industrial Wastewater Discharge (IWD) Inspections?	Yes	Number of education and outreach materials provided during FOG and/or IWD Inspections	Educational trainings were conducted at 95 FOG and 26 IWD inspections during the reporting year.	Review of External Data Sources Brochure Distribution during FOG and/or IWD Program Inspection	Brochures are distributed during FOG and IWD Inspections.
Public Involvement and Participation [Outcome Level 2-3]					
Has the City developed opportunities for citizen participation at City's sponsored events Stormwater Display Booth?	Yes	Qualitative Assessment Confirmation of Stormwater Pollution Prevention Interested Parties Sign-Up List at City's sponsored events Stormwater Booth	The Interested Parties Sign-up List was provided to the public at all outreach events during the reporting year.	Interviews/Surveys Internal Tracking by Stormwater Program Number of Visitors and Stormwater Quizzes Completed via City's sponsored events Stormwater Display Booth	Over 122 people visited the Stormwater Booth during the reporting year's outreach events. 12 stormwater quizzes were completed.
Has the City developed opportunities for citizen participation on-line through the City's Stormwater Webpage or Survey Monkey?	Yes	Descriptive Statistics Number of Visitors and Stormwater Quizzes Completed via City's events Stormwater Booth	11 stormwater quizzes were completed at outreach events during the reporting year.	Number of online Storm Water Management Program Surveys completed and interested parties' sign-up inquiry via the City's Stormwater Webpage or Survey Monkey	1 stormwater survey was completed via the City Stormwater Website this year.

Table 1. PEAIIP Table 5, Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element (Continued)

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Illicit Discharge Detection and Elimination [Outcome Level 4]					
Has the City developed IDDE procedures?	Yes	Confirmation of ongoing City Staff IDDE Training	23 City staff participated in the IDDE training during the reporting year.	Site Investigations/ Inspections City IDDE Site Investigations and/or Inspections with direct observation of an IDDE	100% of reported incidents were investigated. Two of the incidents reported were determined to have resulted in an illicit discharge during the reporting year. All incidents were rectified, per the <i>Spill Response Plan</i> and <i>Enforcement Response Plan</i> .
Are FOG and IWD Program participants operating in a manner that prevents nutrients from leaving the site?	Yes	Descriptive Statistics Number of FOG and/or IWD Inspection Reports	95 FOG and 26 IWD inspections were conducted during the reporting year. No observations of nutrient pollutants in stormwater discharges.	FOG and/or IWD Inspection Report Stormwater Questionnaires	Stormwater Questionnaires were completed at 77 inspections during the reporting year.

Table 1. PEAIIP Table 5, *Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element (Continued)*

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Illicit Discharge Detection and Elimination [Outcome Level 4]					
Are green waste and pet waste collection programs in place?	Yes	Qualitative Assessment Confirmation of local waste hauler (green waste) and Christmas Treecycle Program	Programs were in place and promoted on City social media during the reporting year.		
	Yes	Confirmation of City Mutt Mitt Stations Biweekly Maintenance Program	Mutt Mitt Stations were regularly maintained during the reporting year.	Mutt Mitt Station Biweekly Maintenance	Mutt Mitt Stations were regularly maintained during the reporting year.
Does City have legal authority to address non-storm water discharges?	Yes	Confirmation of established City Municipal Code and Certification of Legal Authority Descriptive Statistics Number of IDDE investigations and/or inspections and follow-up at facilities with deficiencies	Municipal Code and Certification of Legal Authority have been established. 7 IDDE investigations were conducted during the reporting year. One incident was determined to have resulted in an illicit discharge to the MS4 and one incident of dumping was received during the reporting year. All incidents were rectified, per the <i>Spill Response Plan</i> and <i>Enforcement Response Plan</i> .	Review of External Data Sources FOG and/or IWD Inspection Reports and/or Violations Review of External Data Sources FOG and/or IWD Inspection Reports and/or Violations	95 FOG and 26 IWD inspections were conducted during the reporting year and inspection reports, as well as an annual report were prepared. 95 FOG and 26 IWD inspections were conducted during the reporting year.

Table 1. PEAIIP Table 5, *Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element (Continued)*

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Pollution Prevention and Good Housekeeping [Outcome Level 2-4]					
Is the City effectively implementing BMPs (e.g., Mutt Mitt Stations) that target nutrient reduction in waterways?	Yes	Qualitative Assessment Monitoring of frequented areas for abandoned pet waste	The City monitors an area frequented by dog walkers where the City installed pet waste CBSM signage. A Mutt Mitt station is available at the monitored area and trash cans are available nearby. To date, no change in behavior has been noted. The City will continue to strategize on how to install behavior change in this target audience.	Internal Tracking by Stormwater Program Confirmation of Mutt Mitt station maintenance	The City maintains all City-owned Mutt Mitt stations.
Are FOG and/or IWD Program participants implementing Pollutant Prevention and Good Housekeeping practices?	Yes	Qualitative Assessment Confirmation of ongoing City Staff Training	26 City staff participated in Pollution Prevention and Good Housekeeping training during the reporting year.	Interviews/Surveying Review of External Data Sources FOG and/or IWD Inspection Reports	95 FOG and 26 IWD inspections were conducted during the reporting year.
Are FOG and/or IWD Program participants aware of the City's SWMP requirements?	Yes	Descriptive Statistics Number of FOG and/or IWD Inspection Reports	95 FOG and 26 IWD inspections were conducted during the reporting year.	FOG and/or IWD Inspection Report Stormwater Questionnaires	Stormwater Questionnaires were completed at 95 FOG and 26 IWD inspections during the reporting year.
Are FOG and/or IWD Program participants aware of SWMP requirements for their business activity?	Yes				
Do the FOG and IWD Program participants believe they are in compliance with the City's SW Program?	Yes				

Table 1. PEAIIP Table 5, *Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element (Continued)*

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Water Quality Monitoring [Outcome Level 5]					
Is the urban discharge a significant source of nutrients to receiving water?	No (see <i>Analytics</i>)	Comparing modeled data to established targets Use local data acquired through regional 303(d) Monitoring Program	303(d) Group Monitoring uses targets established in EPA Criteria. Data is currently being collected to calibrate the pollutant load model. <i>The Amendment to the Water Quality Control Plan for the Central Coastal Basin to Establish Total Maximum Daily Loads for Nitrogen Compounds in the Santa Ynez River Basin, Santa Barbara County, California</i> , “Based on available information, it is generally expected MS4 entities (...City of Buellton) are currently achieving proposed nitrogen compounds waste load allocations. As such, at this time compliance with existing or future MS4 permits are expected to show continued attainment of waste load allocations for this source category.”	Monitoring and sampling results Pollutant load model results	Sample results and annual summary report are maintained for the City's records. Data is being collected to calibrate the LPR model relative to historic baseline and other municipalities.

Table 2. PEAIIP Table 6, Sedimentation/Siltation (Total Suspended Solids) Questions, Data Assessment Methods, and Data Collection Methods, by Program Element

Management Questions	2024-2025 Response	Data Assessment Methods	Analytics	Data Collection Methods	Analytics
Education and Outreach [Outcome Level 2-3]					
Are City Grading Inspectors trained to review and inspect erosion and sediment control measures?	Yes	Qualitative Assessment Confirmation of ongoing City Grading Staff Training	All City grading staff (2) participated in Construction Stormwater training during the reporting year.	Internal Tracking by Stormwater Program -Internal Tracking by City Engineering Department and/or Division Training	Training results are maintained for the City's records.
Are there educational opportunities at County-sponsored events?	Yes				
Are construction contractors informed of proper erosion and sediment control measures?	Yes	Number of outreach events participated in and outreach materials distributed to construction contractors	On an as-needed basis during development inquiries and site inspections. Educational emails are sent to recipients on the City's contractor list.	Number of connections to construction contractors through grading permits and inspections	There were 7 active construction projects within the City during this reporting year. The City maintained contact through site inspections and email communications and provided education.

3.0 PROGRAM EFFECTIVENESS ASSESSEMENT FINDINGS

3.1 NUTRIENTS

This section provides a summary of BMPs implemented to target nutrients.

3.1.1 Education and Outreach (CASQA Outcome Levels 2 & 3)

The City's Education and Outreach Strategy has been designed to reach a large audience within the community. The program's goal is to inform the local community of the impacts of stormwater pollution on the water quality and ecology of local water bodies and the steps the public can take to reduce pollutants in stormwater, as well as how they can become involved in restoration activities. The strategy involves: (1) implementing the community-based social marketing (CBSM) campaign, *Close the Poop Loop* (CTPL) targeted at increasing the cleanup and disposal of pet waste to reduce the amount of nutrients, bacteria, and pathogen loading to stormwater; (2) conducting surveys or quizzes to assess knowledge of applicable stormwater issues and solutions; (3) providing informative materials (i.e., printed brochures and flyers, signage in heavily trafficked areas, utility bill inserts, City website and social media pages, and community involvement emails) to target audiences to increase awareness of relevant stormwater issues and BMPs; (4) utilizing public input in developing outreach through event participation; (5) providing water efficient/pesticide and fertilizer application/stormwater brochures within each City office as well as website; (6) promoting reporting illicit discharges and connections; (8) providing stormwater pollution prevention educational material to school children; and (9) outreach encouraging reduction of discharges from organized car washes, mobile cleaning, and pressure washing activities.

3.1.1.1 Print Media

Brochures and flyers were made available to the public in displays at the Santa Ynez Valley Botanic Garden (SYVBG), Windmill Nursery, Farm Supply, City Hall, and the City Planning Department. The brochures that were stocked at the SYVBG included *A Gardener's Guide to Clean Water* (12 copies taken), *How to be Water Wise in your Garden* (9 copies taken), *The Ocean Begins on Your Street* (in English [10 copies taken] and Spanish [12 copies taken]), and the *Recognizing and Reporting Stormwater Pollution* pocket guide (13 copies taken). Additionally, a variety of stormwater posters were displayed in the garden's kiosk throughout the year. The City has educational information available in stormwater brochure displays at City Hall and the City Planning department. These brochures include *A Gardener's Guide to Clean Water*, *How to be Water Wise in your Garden*, *Preventing Soil Erosion on Your Property*, *A Homeowner's Guide to BMPs*, *The Ocean Begins on your Street* (in English and Spanish), and the *Recognizing and Reporting Stormwater Pollution* pocket guide.

3.1.1.2 Social Media

During Year 12, the Cities of Buellton and Solvang continued to post a Social Media Series as an alternative approach to publications of stormwater pollution prevention articles in the local newspaper. During this reporting year, the Social Media Series focused on the Cities' BMP Guides for pet owners, restaurants, mobile cleaners, landscapers, construction, and homeowners.

The *Mobile Groomers & Stylist Guide to BMPs* was posted to the California Professional Pet Groomers Association's (CPPGA) Facebook page, which has visibility to 1.3K members.

3.1.1.3 Tip of the Month

The Cities of Buellton and Solvang's stormwater and water conservation Tips of the Month (TOM) were published on the respective City's webpage and published by the Chamber of Commerce's monthly E-Newsletter.

3.1.1.4 Our Water, Our World Campaign

The materials made available at Windmill Nursery and Farm Supply promote the *Our Water, Our World* campaign. The campaign uses a point-of-purchase strategy to encourage stores to carry less-toxic products, and to educate staff and customers on how to select and use eco-friendly pesticide products. The program provides current information on products and Integrated Pest Management techniques through training of store staff, fact sheets, and “Eco-Friendly Effective” shelf tags denoting the products in each store that present a reduced risk of stormwater pollution. The reduction of pesticide use and the increased use of less-toxic products around the home can lead to a reduction of pollutants in run-off and local waterways, as well as a healthier environment for the public. The campaign uses fact sheets about eco-friendly pest control for: ants (in English and Spanish), aphids, cockroaches, fleas, mosquitoes, rats and mice (in English and Spanish), snails and slugs, spiders, and yellowjackets, as well as facts sheets about less toxic products for healthy gardens, lawns, pesticides (in English and Spanish), roses, and weeds. The displays at these locations also include lists of household hazardous waste disposal facilities in Santa Barbara County. Twenty-two fact sheets were taken at Farm supply and Windmill Nursery.

In Year 12, the City will continue to implement the OWOW Campaign and work with OWOW Partner stores to encourage them to take a more active role in identifying Eco-Friendly Products at the time of purchase; and to engage the City when Eco-Friendly Products Shelf-Talkers are needed for new products or to replace damaged/missing Shelf-Talkers. The new QR Code Poster are still in use to allow for digital access to the fact sheets for pesticides and are able to track which fact sheets were viewed in the OWOW partner stores throughout California on a monthly basis.

3.1.1.5 Stormwater Management Website

The City posts educational materials tailored to the POCs (nutrients and sediment) on its Stormwater Management website, including brochures such as the Santa Barbara County *Creek Care Guide*, Project Clean Water's *Creekside Concerns: Out of Sight, Out of Mind?*, Project Clean Water's *A Dog Owner's Duty*, Project Clean Water's *Helpful Hints for Horse Owners*, Project Clean Water's *Gardener's Guide to Clean Water*, Santa Barbara County Water Agency and City of Santa Barbara Public Works Department's *Sustainable Landscaping*, Project Clean Water's *Make the Connection*, Project Clean Water's *The Ocean Begins on Your Street*, City of Buellton's *Protecting Water Quality from Urban Runoff*, as well as BMP guides such as Homeowner's Guide to BMPs (English and Spanish); Landscaper's Guide to BMPs (English and Spanish), Animal Care and Handling Facilities Guide (English and Spanish), Multi-Unit Residential Dwelling's Guide (English and Spanish), Pet Owners Guide. (English and Spanish), and Residential Tenant and Landlord Guide (English and Spanish). The City also provides weblinks on its website to additional resources including Santa Barbara Project Clean Water, Our Water Our World, Less is More and Santa Barbara Water Wise. The City's stormwater webpages received 285 views during the reporting year. Two online surveys (one for residents and one for restaurants) are available in English and Spanish languages on the City's stormwater webpage, which consist of questions designed to assess the respondents' knowledge of the Stormwater Program. Despite Stormwater Management webpage traffic, moving the link to the surveys to the top of the webpage, the City's promotion of the survey during community events and online media, and restaurant inspections, survey response has been very low. One online stormwater survey was completed during this reporting year. The restaurant survey was translated to Spanish in Year 11 and a weblink to the survey was added to the physical outreach materials given out during the IWD inspections. The City also hosts a Green Scene website, as well. It has a page dedicated to storm water education and other pages that support pollutant control, such as composting, recycling, waste management, and similar topics.

3.1.1.6 Outreach During FOG and IWD Inspections

The City continued to provide in-person as-needed training at FOG and IWD facilities and distribute education and outreach materials related to nutrient pollution during Fats, Oil, and Grease and Industrial Waste Discharge inspections (*Guide for Kitchen BMPs*, *Restaurant's Guide to BMPs*; *Beverage Manufacturing and Stormwater Automotive Guide to BMPs*, and *Mobile Cleaner's Guide to BMPs*).

3.1.1.7 Stormwater Hotline

During the 2024-2025 reporting year, the City continued to promote the use of its Stormwater Hotline on its website and printed materials including the *Recognizing and Reporting Stormwater Pollution* pocket guide. The City also promotes its Stormwater hotline within the articles and tips distributed through its Direct Mail-Media Campaign. Although the hotline, as well as a stormwater email account, are readily available to the public, the City received one incident report (See Section 3.1.3.3) through its stormwater hotline in Year 12.

3.1.1.8 Children's Education

During Year 12, the City attempted to coordinate an educational water science assembly with Oak Valley High School. The school declined the City's sponsoring of a live assembly during this reporting year. Children's outreach was conducted at the public events attended by the City's stormwater management program staff. The City's public event booth included a wheel for children to spin with categories of stormwater quiz questions for participants to answer and discuss. Participants were provided prizes like stormwater bookmarks or snacks to encourage involvement in the discussion and engagement with the stormwater booth. Additionally, stormwater education bookmarks are delivered to the school and the City library for dispersal. Children polled at all public events during the year recalled the educational assemblies they watched during previous program years. The City will attempt to re-engage the school for future assemblies.

3.1.1.9 Event Participation

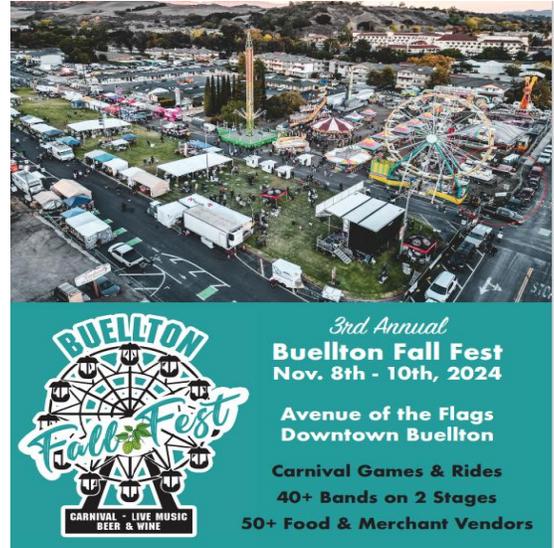
During the 2024-2025 reporting year, the City's Stormwater Management Program staff participated in several events, which is a highly effective way to have direct contact with the public, engage in stormwater discussions, answer questions, and assess public knowledge about the Program. After each event, staff meet to discuss the outcome and additional ideas to attract more of the public to the booth and provide stormwater information.

- On July 27, 2024, Buellton Stormwater Management Program personnel hosted a booth at the annual Buellton BBQ Bonanza. Approximately 1,000 people attended the event. Approximately 60 people visited the stormwater booth and 47 people spun the wheel and answered stormwater questions. The booth displayed educational materials and provided promotional giveaways, the stormwater quiz, and the interested parties list. Community members who visited the booth were able to engage with the Stormwater Program staff and take a quiz to assess their knowledge of stormwater issues and the local Management Program. Educational brochures, dog waste bag dispensers and treats, reusable tote bags, and other items were available for the public to take. Eight stormwater bookmarks, 11 pet waste bag dispensers, and 3 stormwater program tote bags were distributed to the public at this event.



- On November 9, 2024, Stormwater Management Program representatives staffed a booth at Fall festival. Approximately 1,000 people attended the event and approximately 32 people engaged staff at the booth, which included the same educational displays, brochures containing stormwater pollution prevention information, and giveaways as the Buellton BBQ. Ten community members who visited the booth were able to take the stormwater survey. After receiving feedback from children at previous events, the City added a children's survey to their outreach materials in Year 12, to engage more children and assess

- their knowledge. Two stormwater brochures, 7 pet waste bag dispensers, and 1 stormwater program tote bag were distributed to the public at this event.
- On February 8, 2025, Buellton Stormwater Management Program personnel hosted a booth at the Buellton Library Grand Opening Event. Approximately 75 people attended the event, 30 people engaged with stormwater management staff, and one person took the stormwater survey. Educational materials such as displays, brochures, and giveaways such as book bags, pet waste bag dispensers, and reusable grocery bags her available for community members who visited the booth. Two stormwater brochures, 5 pet waste bag dispensers, and 1 stormwater bookmark were distributed to the public at this event.



3.1.2 Public Involvement and Participation (CASQA Outcome Levels 2 & 3)

3.1.2.1 Community Cleanup

The California Coastal Commission’s 2024 Coastal Cleanup Day was on September 21, 2024. The Cities encouraged community involvement in Coastal Cleanup Day for the entire month of September and promoted Coastal Cleanup Day on their social media channels. In Santa Barbara County, 1,059 people volunteered at this event and 5,299 pounds of debris was collected.

3.1.2.2 Event Participation

During the 2024-2025 reporting year, the City’s Stormwater Management Program staff participated in several events (see section 3.1.1.7 for more information on these events), which is a highly effective way to have direct contact with the public, engage in stormwater discussions, answer questions, and get feedback on the City’s storm water program. Also, an interested party’s sign-up sheet is always made available at events attended by City staff. This list is used to send information about all developments in the Cities’ stormwater program and about all upcoming meetings and events to people signed up; however, the City did not receive any sign-ups this reporting year.

3.1.3 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

3.1.3.1 Legal Authority

The City implements its Illicit Discharge Detection and Elimination (IDDE) Program under Buellton Municipal Code Title 15 Stormwater Chapter 15.01 *Stormwater Quality Management and Discharge Control*, as revised by Ordinance 20-08 (Ordinance) and the City’s Stormwater Program Management Certification Statement, which provides the City full legal authority to implement and enforce the Small MS4 Permit requirements. The City adhered to the Ordinance during the reporting year.

3.1.3.2 IDDE Procedures

Enforcement Response Plan (ERP) (City of Buellton, 2016 updated 2021) and *Spill Response Plan* (SRP) (City of Buellton 2016, updated 2021) provide guidance to City staff and contractors responding to a complaint or notice of a spill, illegal discharge, or illicit connection. Applicable City staff and contractors were provided IDDE staff and pollution prevention and good housekeeping for municipal operations training (23 total trainees). The training is

designed to maintain stormwater general awareness of staff and contractors and encourage the reporting of possible illicit discharges or illegal connections. The test of understanding conducted after the training displayed high levels of knowledge retention, with the average test score among trainees being 94%.

3.1.3.3 IDDE Detection, Elimination, and Reporting

During Year 12, seven potential illicit discharges or illegal connections were reported and were investigated by City staff and/or its contractors. Two of the investigated incidents resulted in an illicit discharge. All incidents were rectified per the *Spill Response Plan* and *Enforcement Response Plan*.

- On August 15, 2024, City staff reported standing liquid on the paved outdoor area of a winery on Industrial Way. The reported provided photos of the ponded liquid. It was confirmed that the liquid did not discharge from the site or discharge to the MS4. The City's stormwater contractor followed up on the same day of the report and confirmed that winery personnel cleaned the liquid by washing the area into the facility's wastewater system. The City provided educational flyers and another City contractor conducted on-site training of Facility staff on August 23, 2024 to prevent future incidents.
- On September 18, 2024, during a food service inspection, the City's contractor reported that oil and grease spills were observed on the ground around the grease barrel at the restaurant. The City investigated and observed the grease staining, but discharge to the MS4 was not observed. Staff provided a verbal warning and educational materials to the food service vendor. The restaurant staff cleaned up their fats/oils/grease area and provided photographic documentation to the City.
- On October 17, 2024, a City contractor reported a significant grease spill behind a restaurant observed during a facility inspection. The spill did not leave the site or discharge to the MS4. The contractor immediately reported the observation to the restaurant manager and provided instruction on how to clean the spill and avoid future incidents. The restaurant cleaned the spill and provided photographic documentation to the City. The City sent another inspector to perform a follow-up site visit on November 1, 2024, where it was confirmed the area was still clean and the inspector provided additional guidance to site staff.
- On October 17, 2024, a City contractor reported a leaking grease barrel and food waste bins at a restaurant during a facility inspection. None of the leaked material was observed to have left the site or discharge to the MS4. The contractor immediately reported the observation to restaurant staff and directed them to replace the leaking receptacles and clean the area. The restaurant owner coordinated a replacement and cleanup from grease disposal services. A follow-up investigation by another City inspector confirmed that the area was cleaned and that there were no longer leaking waste receptacles at the facility.
- On December 19, 2024, a City contractor observed water flowing across the parking lot of a restaurant during a field inspection. The water was not leaving the site or discharging to the MS4. The City reported their findings to restaurant personnel and requested additional information and the cessation of the discharge. The City followed up with the restaurant and confirmed that a water line had been routed the wrong way by a maintenance worker, and that the worker returned and corrected the issue.
- On April 24, 2025, the City received an anonymous complaint that a hotel may be draining spa water through its parking lot and offsite. The City's contractor visited the site on the day and observed the discharge from the parking lot. The contractor confirmed that water was discharging offsite from the facility but could not determine the source. A follow-up inspection was conducted on May 13, 2024. The inspector spoke to hotel personnel and provided them with a Cease and Desist letter from the City. There was no ongoing discharge at the time of the second inspection, but hotel staff reported that the water observed to be leaving the site previously was runoff from washing the hotel patio. The City's contractors notified the hotel staff that washwater is also an illicit discharge prohibited by the City's Municipal Code and performed a final follow-up visit on May 19, 2025 to further discuss site activities and educate staff on prohibited discharges.
- On April 24, 2025, the City received an anonymous complaint via its online reporting system that an oil can had been discarded in a dry creek bed and was leaking oil. The City inspected the area on the day the complaint was received and confirmed the report. The oil can was removed from the dry creek bed and spilled oil cleaned from the area.

3.1.4 Pollution Prevention and Good Housekeeping (CASQA Outcome Levels 2-4)

3.1.4.1 FOG and IWD Inspections

The City's contractor conducted 95 FOG and 26 IWD inspections during the reporting year. Although these are not specifically targeting nutrients, it's possible the education provided during the inspections could ultimately lead to a reduction. The City contractors initiated an annual survey during their FOG and IWD inspections beginning Year 2 (11 FOG questionnaires) and have continued inspections in Year 3 (27 FOG and 11 IWD questionnaires), Year 4 (65 FOG and 22 IWD questionnaires), Year 5 (40 FOG and 26 IWD questionnaires), Year 6 (88 FOG and 40 IWD inspections forms, Year 7 (63 FOG and 44 IWD questionnaires), Year 8 (71 FOG and 44 IWD questionnaires), Year 9 (43 FOG and 39 IWD questionnaires), Year 10 (48 FOG and 40 IWD questionnaires), Year 11 (51 FOG and 38 IWD questionnaires), and Year 12 (95 FOG and 26 IWD questionnaires). The questionnaires asked the respondents: (1) *Are you familiar with the City of Buellton's Storm Water Program?*; (2) *Are you aware of the storm water requirements for your type of business activity?*; and (3) *Do you believe your business is in compliance with the City's Storm Water Program?* The inspection forms completed during FOG and IWD inspections showed 100% of businesses were familiar with the City's Stormwater Management Program, aware of their business activities impact to stormwater, and believe their business complied with the City's Stormwater Management Program. The City Stormwater Program Coordinator reviewed all FOG and IWD inspection reports for non-stormwater discharges. No respondents completed the City's online Restaurant Survey (available on the Stormwater Management website; the link to the survey is provided on the FOG inspection form).

3.1.4.2 Target Audience-Specific BMP Guides

The City collaborated with the Cities of Solvang, Carpinteria, Goleta, Lompoc, Santa Barbara, and the County of Santa Barbara on updates to the BMP guides, which include the following with nutrient stormwater pollution prevention information:

- Homeowner's Guide to BMPs (English and Spanish); Landscaper's Guide to BMPs (English and Spanish), Animal Care and Handling Facilities Guide (English and Spanish), Multi-Unit Residential Dwelling's Guide (English and Spanish), Pet Owners Guide. (English and Spanish), Residential Tenant and Landlord Guide (English and Spanish), the Construction Industry's Guide (English and Spanish), and Special Events Guide to BMPs (English and Spanish)

3.1.4.3 Green Waste Management Campaign

The City continues to contract with a local waste hauler (MarBorg) for management of green waste. The City also coordinates and promotes the annual Christmas Treecycle Program through the Chamber of Commerce E-Newsletter, Buellton Buzz (Water Bill Insert) and both the City and MarBorg websites. This program allows residents to drop off their trees until the second week in January for mulching and reuse within the community.

3.1.4.4 Pet Waste Management Campaign

The City maintains 14 Mutt Mitt stations within the City (five at River View Park, three at Oak Valley Park, four at PAWS Dog Park, one on Via Corona (on the school fence), and one at Neighborhood Village Park. Four Mutt Mitt stations are maintained by the Buellton Veterinary Clinic (one on the north and one on the south side of Highway 246, near the intersection with Sycamore Drive; and one on the north and one on the south side of Highway 246, near the intersection with Valley Dairy Road). The Mutt Mitt Program's efforts have helped reduce the amount of pet waste discarded at these locations.

Pet waste bag dispensers designed to clip onto a bag or collar are regularly distributed to the public at all events, are available at City Hall, and are delivered to the Humane Society for distribution.

The City continues to promote the CTPL pet waste management campaign on the City's website, social media page, and through its direct mailers/media campaign via articles in the bimonthly *Buellton Buzz* water bill insert.

The City also distributed pet waste outreach materials at community events to promote the proper cleanup and disposal of pet waste amongst residents. The City also advertised the CTPL campaign via CTPL posters along Via Corona at Oak Valley Elementary, which has heavy dog-walker traffic. Mutt Mitt stations are available at this location, as well as at the adjacent Oak Pak that also has trash cans for disposing of waste. Despite these conveniences, dog waste is often left along the strip of grass between the school and Via Corona. The City targeted this area for a pilot program to determine the effectiveness of additional CTPL promotion. In 2021, ten 30-inch signs displaying the various CTPL dogs were installed at intervals along the fence line at Via Corona with the goal of bringing awareness and changing behavior (i.e., reducing the amount of pet waste left in this area).

During Year 12, the Cities worked with Santa Barbara County Animal Services to have the BMP Guide for *Pet Owners* and the BMP Guide for *Animal Care and Handling Facilities* to the Animal Services email newsletter and on their social media accounts. The *Animal Care and Handling Facilities* BMP Guide was included in the October newsletter which was emailed to 28,566 contacts; the Facebook post reached 457 views and the Instagram post reached 2,480 views. The *Pet Owners* BMP Guide was included in the November newsletter which was emailed to 28,499 contacts; the Facebook post reached 727 views and the Instagram post reached 1,238 views.

3.1.5 Water Quality Monitoring (CASQA Outcome Level 5)

The City participates in a regional water quality monitoring program that satisfies Small MS4 Permit Attachment D, Section 8 with the Cities of Solvang, Carpinteria, Goleta and Unincorporated Santa Barbara County, which is described in the *Draft Urban Storm Water Monitoring Plan 2015–2018 for the NPDES Phase II Small MS4 General Permit Sections E.13.c 303(d) Monitoring and E.14.a Program Effectiveness Assessment and Improvement Plan* (County of Santa Barbara et al 2015, revised 2016) and its *Quality Assurance Project Plan for Urban Storm Water Monitoring Plan 2015-2018* (County of Santa Barbara et al 2015, revised 2016) that was submitted to the Central Coast Water Board on December 29, 2014. The goal of the monitoring program is to characterize pollutant concentrations and loads from discharge locations specific to land use within the represented MS4s to collect sufficient data to inform, update, and calibrate the land use-based pollutant load (LBPL) model. The plans were revised to address comments from the Regional Board and resubmitted on October 13, 2015 through the SMARTS Database. On March 4, 2016, Santa Barbara County Project Clean Water received Central Coast Water Board Executive Officer approval for the revised *Urban Stormwater Monitoring Plan* and the *Quality Assurance Project Plan* (County of Santa Barbara et al 2015, revised 2016). Monitoring was initiated during Year 3 and results were reported as part of the Year 3 and subsequent Annual Reports.

Early results of the USWMP provided for a locally informed land use-based prioritization and reduction model (LPRM) that was used to calculate wet weather loads in the County, prioritize catchments for BMP placement, and evaluate the performance of existing and future BMPs. The Plan continues to be used to inform the model by providing site-specific land use pollutant concentration data. As described within the USWMP, the monitoring outfalls were selected based on their drainage areas consisting of a mostly homogenous land use category. The first year of wet weather urban runoff was initiated in Year 3. During Year 3, four storms were monitored at a total of 6 sites representing different land use types, with one location in Buellton (representing industrial land use). Stormwater runoff was analyzed from eight to ten storms. The data was used to revise the event mean concentrations of the model to reflect local runoff concentrations in the modeling results, which were reported in the regional 303(d) Monitoring Program Results FY 2015-2016.

The Central Coast Water Board issued *Technical Report Order 13267* on June 13, 2016 that required the submission of the following reports to document progress on key activities relating to completing spatially-based stormwater volume and pollutant loading estimates, as follows.

- Report #1: Catchment delineation and relevant attributes that support catchment-scale stormwater volume and pollutant loading analysis, which was due August 12, 2016;
- Report #2: BMP inventory for all centralized and decentralized BMPs within the City; stormwater volume and pollutant loading unmitigated condition and catchment ranking unmitigated condition for all catchments within the City, which was due June 30, 2017;
- Report #3: BMP assessment for all BMPs using an effective approach for assessing structural BMP performance, estimate stormwater volume and pollutant load reduction based on the intended BMP

function and current BMP condition based on the BMPs ability to function relative to intended design, which was due June 30, 2018 and revised October 15, 2018; and

- Report #4: Stormwater Program Modifications Fifth Year Report, which was due October 15, 2018.

On November 10, 2016, the Central Coast Water Board provided comments on how to refine the model approach to meet specific requirement listed in Technical Report Order 13267. The Central Coast Water Board approved the revised LPRM on July 18, 2017, which included the ability to determine the percent capture of the BMPs implemented based on the standard design attributes. The BMPs inventoried, along with the results of the BMP field assessment results, were uploaded to the LPRM and the new modeling results were reported in response to Technical Report Order 13267, Report #3.

Santa Barbara County updated the *Urban Stormwater Monitoring Report for the NPDES Phase II Small MS4 General Permit Sections E.13.c 303(d) Monitoring and E.14.a Program Effectiveness Assessment and Improvement Plan* in September of 2024. New water quality data were assessed for inclusion in the data and the monitoring program will be refined to focus on water quality parameters that need additional data to characterize local land use mean pollutant concentrations.

The City continues to participate in the regional water quality monitoring program. During Year 2024-2025, one qualified storm event was sampled. The results are presented in the 303(d) Monitoring Annual Report, which is uploaded as part of the MS4 Annual Report. The City will also continue to conduct annual condition assessment observations for each BMP inventoried in accordance with the *Attachment B - BMP Condition Assessment Guidance to the LPR Model Technical Report* (Geosyntec 2018).

3.2 SEDIMENTATION/SILTATION

3.2.1 Education and Outreach (CASQA Outcome Levels 2 & 3)

The City continues to maintain the Environmental Protection Agency's (EPA) *Stormwater and the Construction Industry* poster and the *Prevent Soil Erosion on Your Property* brochure on its Stormwater Management webpage. Applicable City staff and contractors were provided with Construction Stormwater Training (2 trainees). The training is designed to provide information to assist in identifying and recommending effective erosion and sediment control BMPs during construction inspections. The test of understanding conducted after the training displayed high levels of knowledge retention, with the average score among the trainees being 90%.

3.2.2 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

The implementation of the City's IDDE Program is described in Section 3.1.3.

3.2.3 Construction Site Stormwater Runoff Control (CASQA Outcome Levels 2 & 3)

During Year 12, the City had seven projects in grading and/or active construction. The City reviewed one Stormwater Pollution Prevention Plan (SWPPP), five Erosion and Sediment Control Plans (E&SCPs), and four Stormwater Control Plans (SWCPs). The City conducted monthly inspections at active construction sites during the reporting year. This appears to be a very effective BMP, as the inspector meets with on-site construction staff to provide training and follows the EPR protocol for BMP deficiencies, which has resulted in rapid corrections. The City will continue to monitor the long-term erosion and sediment control measures at each of these construction sites. In Year 12, there were no site investigations associated with sedimentation/siltation related discharges from construction sites.

3.2.4 Post-Construction Site Stormwater Runoff Control (CASQA Outcome Levels 2 & 3)

Two projects completed construction within the MS4 area in Year 12. Four construction projects were in the Engineering project plan check phase. Six projects were in the grading and/or construction phase. The City

reviewed the SWCPs that were required to be submitted by these projects to comply with the Central Coast Post-Construction Requirement (PCR) measures. The City contacts owners of installed post-construction features annually to obtain certification that operation and maintenance of the features is occurring.

3.2.5 Pollution Prevention and Good Housekeeping (CASQA Outcome Levels 2 & 3)

3.2.5.1 Street Sweeping

During Year 12, the City's street sweeping contractor continued to conduct bimonthly street sweeping when possible (sweeping is not conducted during rainfall). A total of 33.5 miles of the City's streets (residential and arterial roads, but not private roads), alleyways, and parking lots were swept. This composes nearly all the streets of the 1.58-square mile city. In Year 12, the City's street sweeping contractor has reported a net weight of 141,720 pounds of pollutant removed during the reporting year. Since sweeping is not conducted during rainfall, the number of times sweeping occurs each year varies and so the volume of material collected each year varies. Additionally, weather impacts the volume of material collected – high winds and rain increase the amount of organic material on streets and in gutters. Sweeping the streets regularly is an effective method by which the City prevents sediment and other pollutants from the entering the storm drain conveyance system.

3.2.5.2 Storm Drain Assessment and Cleaning

The City also continued to implement its *Storm Drain System Assessment, Prioritization, and Maintenance Standard Operating Procedure (SOP)*. In Year 12, the City contracted cleaning of the storm drain system catch basins, drop inlets, area drains, and sidewalk drains. The contractor cleaned 203 of the City's 220 storm drains and removed an estimated total of 2,905 gallons of organic material (323 five-gallon buckets), sediment (188 five-gallon buckets), and trash (70 five-gallon buckets). This is a 6% increase from the estimated total in Year 11. This also appears to be an effective BMPs, as it is a direct means of pollutant removal from the MS4.

3.2.5.3 Hotspot Inspections

The City's only stormwater pollution "hotspot" is the Wastewater Treatment Plant (WWTP), which no longer meets hotspot criteria, was inspected quarterly during Year 12. During the inspections, WWTP staff were instructed on pollution prevention and good housekeeping measures when deficiencies were identified. All observations are recorded in a Hotspot Site Investigation form with a supplemental photographic log for City records.

3.2.6 Water Quality Monitoring (CASQA Outcome Level 5)

The City's water quality monitoring program is described in Section 3.1.5.

4.0 PROGRAM EFFECTIVENESS SUMMARY

The City has identified the successful strategies used during the past reporting year, as well as the challenges faced, and will use this information to adapt its program with the continued goal of reducing/eliminating the impact of local stormwater quality on downstream receiving water bodies.

The City has the benefit of being a small community with the ability to reach a large part of the population and its staff through targeted outreach. On the contrary, since it is a small community, resources are limited and the City has to focus its efforts on BMPs that are effective and ideally, measurable, while maintaining compliance with the Small MS4 Permit. Examples of BMPs that appear to be particularly effective are those that directly engage individuals or groups which have a direct connection to POC reduction, such as interaction and training during municipal facility, construction site, FOG and IWD, IDDE investigation, and other inspections; involvement in community groups like the Green Team; and communicating and coordinating with other stakeholders and municipalities. The City has also continued to prioritize education and outreach for children with additional activities and quizzes available at events.

As in previous years, the biggest challenge the Stormwater Program faced during the reporting year was implementing its Public Involvement and Participation BMPs. The City focused on providing the public with

stormwater educational opportunities through its website; electronic and hard-copy newsletters through the Buellton Chamber of Commerce and in utility bill inserts (i.e., the *Buellton Buzz* newsletter); social media posts; and through brochures and flyers in essential public areas like the SYVBG. The City continued the CBSM campaign, CTPL, by maintaining and filling pet waste bag stations throughout the City and educating the public through articles in local newsletters. The City focused on education during direct contact with the public during FOG and IWP inspections, construction site inspections, and during IDDE inspections. The City also provided education to a number of wineries, as IDDE issues have been noted in the past with this target audience and potential pollutants correlate to the POCs.

5.0 REFERENCES

California Stormwater Quality Association (CASQA)

2015 *Program Effectiveness Assessment and Improvement Plan (PEAIP) Framework for Traditional MS4s* (April). Available online at: [PEAIP Framework | California Stormwater Quality Association \(casqa.org\)](https://casqa.org).

Central Coast Regional Water Quality Control Board

2014 *Solvang–Buellton Urban Water Quality Profile* (April 24).

2016 *Technical Report Order 13267* (June 13).

City of Buellton

2016 *Program Effectiveness Assessment and Improvement Plan*.

2016, updated 2021 *Enforcement Response Plan*.

2016, updated 2021 *Spill Response Plan*.

2020 *Buellton Municipal Code Title 15 Storm Water Chapter 15.01 Storm Water Quality Management and Discharge Control, as revised by Ordinance 20-08*. Available online at: <https://ecode360.com/43121750#43121750>.

County of Santa Barbara, City of Goleta, City of Carpinteria, City of Buellton, and City of Solvang

2015, revised 2016 *Urban Storm Water Monitoring Plan 2015–2018 for the NPDES Phase II Small MS4 General Permit Sections E.13.c 303(d) Monitoring and E.14.a Program Effectiveness Assessment and Improvement Plan*.

2015, revised 2016 *Quality Assurance Project Plan for Urban Storm Water Monitoring Plan 2015-2018*.

Geosyntec Consultants

2018 *Pollutant Load, Prioritization, and Reduction (LPR) Model, Attachment B – BMP Condition Assessment Guidance for the Cities of Buellton, Carpinteria, Goleta, and Solvang, and the County of Santa Barbara*.

State Water Resources Control Board

2013 *Small Municipal Separate Storm Sewer System (MS4) Permit, Water Quality Order 2013-0001-DWQ, amended by Order 2015-0133-EXEC, 2016-0069-EXEC, 2017-XXXX-DWQ, 2018-0001-EXEC, and 2018-0007-EXEC*



City of Solvang
Storm Water Management Program
Program Effectiveness Assessment and Improvement Plan (PEAIP)
Annual Summary 2024-2025



September 22, 2025

TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS 3

DEFINITIONS 4

1.0 INTRODUCTION 5

2.0 DATA ASSESSMENT/COLLECTION METHODS 6

3.0 DATA ASSESSMENT/COLLECTION – DATA SUMMARY 6

3.1 NUTRIENTS 6

3.1.1 Education and Outreach (CASQA Outcome Level 2-3)..... 6

3.1.2 Public Involvement and Participation (CASQA Outcome Level 2-3)..... 15

3.1.3 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)..... 16

3.1.4 Pollution Prevention and Good Housekeeping (CASQA Outcome Level 2-4)..... 16

3.1.5 Water Quality Monitoring (CASQA Outcome Level 5) 18

3.2 SEDIMENTATION / SILTATION (Total Suspended Solids) 20

3.2.1 Education and Outreach (CASQA Outcome Level 2-3)..... 20

3.2.2 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)..... 22

3.2.3 Construction Site Stormwater Runoff Control (Outcome Level 2-3) 23

3.2.4 Post-Construction Site Stormwater Runoff Control (CASQA Outcome Level 2-3) 23

3.2.5 Pollution Prevention and Good Housekeeping (CASQA Outcome Level 2-3)..... 24

3.2.6 Water Quality Monitoring (CASQA Outcome Level 5) 27

4.0 SHORT- AND LONG-TERM PROGRAM EFFECTIVENESS 30

APPENDIX A - Table 5. Nutrients Questions, Data Assessment Methods, and Data Collection
Methods, by Program Element..... 31

APPENDIX B - Table 6. Sedimentation/Siltation (Total Suspended Solids) Questions, Data
Assessment Methods, and Data Collection Methods, by Program Element 32

ACRONYMS AND ABBREVIATIONS

BMPs	Best Management Practices
CASQA	California Stormwater Quality Association
CPPGA	California Professional Pet Groomers Association
CBSM	Community Based Social Marketing
CCAMP	Central Coast Ambient Monitoring Program
CCRWQCB	Central Coast Regional Water Quality Control Board
COB	City of Buellton
COS	City of Solvang
E&SCP	Erosion & Sediment Control Plan
EMCs	Event Mean Concentrations
FOG	Fats, Oil and Grease
LPRM	Load Prioritization and Reduction Model
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer Systems
NPDES	National Pollutant Discharge Elimination System
OWOW	Our Water Our World
PEAIP	Program Effectiveness Assessment and Improvement Plan
POCs	Pollutants of Concern
QAPP	Quality Assurance Plan
SBCAS	Santa Barbara County Animal Services
SMARTS	Storm Water Multiple Application and Report Tracking System
SMSWP	Social Media Stormwater Post
SMSWS	Social Media Stormwater Series
SMC	Solvang Municipal Code
SRP	Spill Response Plan
SWCP	Stormwater Control Plan
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan

SWRCB	State Water Resources Control Board
SYV	Santa Ynez Valley
TOM	Tip of Month
WW	Wastewater Division
USWMP	Urban Stormwater Monitoring Plan

DEFINITIONS

Pollutant of Concern	A pollutant that is reasonably expected to be present in urban runoff may reasonably be expected to affect the designated uses of the receiving water. Urban runoff pollutants of concern may include sediments, non-sediment solids, nutrients, pathogens, oxygen-demanding substances, petroleum hydrocarbons, heavy metals, floatables, polycyclic aromatic hydrocarbons (PAHs), trash, and/or pesticides and herbicides.
Program Element	Program Elements are distinct components of a stormwater program that focus on reducing pollutants from a particular activity or pollutant source/target audience. The Program Elements for the Phase II municipal stormwater program include the following: <ul style="list-style-type: none"> • Program Management • Education and Outreach • Public Involvement and Participation • Illicit Discharge Detection and Elimination • Construction • Pollution Prevention/Good Housekeeping • Post Construction • Water Quality Monitoring
Target Audience	A “Target Audience” consists of the people (individuals and populations) that are expected to gain knowledge or engage in the behaviors that a stormwater program is intended to elicit. BMPs and other controls are implemented by many types of third parties, so the term “target audience” is broadly defined and virtually any group of people could be a target audience, including municipal staff members, the general public, elected and appointed officials, other government agencies, etc.
Source	Anything with the potential to generate pollutants prior to their introduction to the MS4. A typical program broadly addresses the following source categories: residential areas, construction and development sites, commercial and industrial sources, and municipal operations. Sources may alternatively be defined by the populations associated with areas, facilities, or activities, e.g., residents, dog-walkers, mobile car washers, or restaurant employees.
Stormwater (“Storm Water”)	Any surface flow or storm drainpipe flow, runoff, and drainage consisting entirely of water from precipitation.

1.0 INTRODUCTION

The City of Solvang (COS) and the City of Buellton (COB) prepared and submitted to the State Water Resources Control Board a multi-agency PEAIIP for Year 2 on October 13, 2015, through the Storm Water Multiple Application and Report Tracking System (SMARTS) Database. COB and COS subsequently submitted a revision dated February 19, 2016, with the Year 3 Annual Report. This report summarizes the COS's implementation of the PEAIIP for Year 12 of the National Pollutant Discharge Elimination System's (NPDES) Phase II Small Municipal Separate Storm Sewer Systems (MS4) General Permit, for calendar year July 1, 2024, through June 30, 2025.

The purpose of the PEAIIP is to track the short- and long-term effectiveness of the stormwater program, the specific measures that will be used to assess the effectiveness of the prioritized best management practices (BMPs), the groups of BMPs, and/or the stormwater program as a whole. The purpose of the PEAIIP is also to provide a description of how the COB and COS will use the information obtained through the PEAIIP to improve the stormwater program. The PEAIIP outlines the approach that the COB and COS will use to adaptively manage its stormwater program to improve its effectiveness at reducing the identified high- and medium-priority Pollutants of Concern (POCs), thereby achieving the maximum extent practicable (MEP) standard, and protecting water quality. The PEAIIP is focused on the impact that the stormwater program is having rather than the strict implementation of the program. By focusing the Effectiveness Assessment on this manner, the COB and COS will increase their ability to understand if its stormwater program is achieving the intended outcomes and can identify necessary modifications to the program to make it more effective.

The PEAIIP for Year 3-10 focused primarily on the California Stormwater Quality Association (CASQA) Outcome Levels for Target Audiences (Outcome Levels 2-3), and the Sources and Impacts (Outcome Level 4-5). The COB and COS developed management questions for high-priority POCs (Nutrients) and the medium-priority POCs (Sedimentation/Siltation and Total Suspended Solids), and then conducted a data collection assessment of each of these POCs. The data collected will be utilized by both the COB and COS to improve their respective stormwater program and protect water quality.

In order to determine the specific target audiences and the appropriate prioritized BMPs, the COB and COS reviewed the following: a) proposed TMDLs by the Central Coast Regional Water Quality Control Board (CCRWQCB), b) 2010 303(d) List of Impaired Waterbodies, c) CCRWQCB April 24th, 2014 Consultation Handout "Solvang – Buellton Urban Water Quality Profile", d) Central Coast Ambient Monitoring Program's (CCAMP) Ambient Water Quality Data, e) COB and COS Storm Water Management Plan's (SWMP) Guidance Document's List of POCs, and f) proposed regional Urban Storm Water Monitoring Plan (USWMP). Best professional judgment, knowledge of local and/or regional water quality issues and common urban pollutants were also factors in the identification of POCs.

Target audiences for each source of high- and medium-priority POCs have been identified, and the COB and COS have actively taken steps, during each permit year, to identify and bridge communication and action barriers through the selection and implementation of prioritized BMPs. The prioritized BMPs reflect stormwater program activities that are intended to change behaviors of target audiences and result in pollutant source mitigation. The prioritized BMPs, listed below in Figure 8 Prioritized BMP Identified for Target Audiences within COB and COS PEAIIP, are being implemented as part of the Cities stormwater program, and where applicable,

corresponding data was collected and analyzed at the close of Permit Year 12 in order to assess program effectiveness and identify opportunities for program improvement.

Although the PEAIIP was developed as a multi-agency plan between the COB and the COS, each City will prepare and submit an individual PEAIIP Annual Summary moving forward beginning in Year 8.

Below is the PEAIIP Annual Summary for Year 12:

2.0 DATA ASSESSMENT/COLLECTION METHODS

For the PEAIIP, the COS focused its data assessment for Nutrients and Sedimentation/Siltation (Total Suspended Solids) using the Management Questions, Data Assessment and Data Collection Methods outlined within Table 5 and 6 of the COB and COS PEAIIP (Appendix A and B). The data assessment for each POC consisted primarily of a qualitative assessment and/or a descriptive statistic methodology and the data collection methods included internal tracking by stormwater program, review of external data sources, interviews/surveys, site investigations/inspections; and monitoring and sampling as described below within COB and COS PEAIIP.

3.0 DATA ASSESSMENT/COLLECTION – DATA SUMMARY

3.1 NUTRIENTS

3.1.1 Education and Outreach (CASQA Outcome Level 2-3)

3.1.1.1 Brochure Distribution

During Year 12, the number of education and outreach materials distributed through stormwater brochure displays at the City facilities (City Hall, Planning Department and Parks and Recreation) related to Nutrients include:

BMP Guides: 6 Homeowners Guide to BMPs, 15 Special Events Guide to BMPs

Brochures: 11 Gardener’s Guide to Clean Water; 0 Recognizing and Reporting Stormwater Pollution; 11 The Ocean Begins on Your Street (6 English and 5 Spanish)

In addition, the number of education and outreach materials distributed at the Santa Ynez Valley (SYV) Botanic Garden Information Kiosk related to Nutrients include:

Brochures: 5 Gardener’s Guide to Clean Water; 17 Recognizing and Reporting Stormwater Pollution; 26 The Ocean Begins on your Street (18 English and 8 Spanish)

The COS continues to maintain stormwater bookmarks at City facilities (City Hall and Planning Department) that contain 10 tips of “What you can do” to prevent stormwater pollution. Additionally, the COS continued to distribute stormwater bookmarks at our local libraries:

Solvang School: 75 Stormwater Bookmarks

Solvang Public Library: 75 Stormwater Bookmarks

3.1.1.2 Website File Views/Hits

Note: On January 1, 2022, the City's website platform was changed from Civic Plus to Google Analytics. With this change, the City has been unable to recreate a new Website Hits/Download Report that disseminates the information in a format that provides the differentiation for the number of hits or downloads of each of the BMP guides, brochures and posters Nutrient related outreach materials received during the reporting year. During Year 11, the City was able to create a report that provides views of the Stormwater Management Programs Webpages, and the City was unable to create a report that provides views of individual guides, brochures or posters. In Year 12, the Stormwater Management Program Webpages recorded the following views: Stormwater Management (420 views); Annual Report (197 views), BMPs (86 views); New and Redevelopment Projects (113 Views) , Program and Plans (28 Views), Stormwater Kids (99 Views).

During Year 12, the COS continued to maintain Nutrient related BMP Guides, Brochures, and Posters on the City's Stormwater Management's webpage as well as additional resources links to the Santa Barbara County Project Clean Water, Our Water Our World (OWOW), Less is More and Santa Barbara County Water Wise website. The following Nutrient related outreach materials were maintained on the City's website:

BMP Guides: Homeowners Guide to BMPs (English and Spanish); Landscaper's Guide to BMPs (English and Spanish); Mobile Cleaners Guide to BMPs (English and Spanish); Mobile Pet Groomer & Stylist Guide to BMPs (English and Spanish); *Residential Tenant and Landlord Guide to BMPs (English and Spanish); Pet Owners Guide to BMPs; Restaurant's Guide to BMPs (English and Spanish); and Special Events Guide to BMPs (English and Spanish).

** The Multi-Unit Residential Dwellings Guide to BMPs was renamed to Residential Tenant and Landlords Guide to BMPs and posted to the website on July 2, 2024.*

Brochures: Gardener's Guide to Clean Water (English and Spanish); Gardeners Use and Disposal Pesticide Fact Sheet The Ocean Begins on Your Street (English and Spanish) and Recognizing and Reporting Stormwater Pollution

Posters: Cleaning Up Posters (English and Spanish)

On July 2, 2024, the COS posted all of the updated BMP Guides onto the City's website, with subsequent updates on July 23, 2024.

3.1.1.3 Event Participation

During Year 12, the COS and COB participated in 4 education and outreach events (Buellton BBQ Bonanza, Buellton Fall Fest, Buellton Library Event) by maintaining a Stormwater Display Booth at each event. The number of visitors to the City's sponsored event's Stormwater Display Booth were as follows: Buellton BBQ Bonanza (approximately 60 Visitors), Buellton Fall Fest (32 Visitors), and Buellton Library Event (approximately 30 Visitors).



Buellton BBQ Bonanza

The number of education and outreach materials distributed at these events related to Nutrients include:

BMP Guides: 0 Homeowner's Guide to BMPs

Brochures: 0 Gardener's Guide to Clean Water; 0 Make the Connection; 2 Recognizing and Reporting Stormwater Pollution; 0 The Ocean Begins On Your Street (0 English and 0 Spanish); 0 Landscapers Guide to BMPs (0 English and 0 Spanish); 0 Pet Owner's Guide to BMPs (0 English and 0 Spanish)

Giveaways: 3 COB & COS Reusable Book Bags; 30 COB & COS Stormwater Bookmarks; 25 CTPL Bag Dispensers for Pet Waste Disposal

The COS also supported a Coastal Cleanup Day (September 21, 2024) via Explore Ecology and the Santa Barbara County's Resources Recovery & Waste Management Division that focused on local cleanup at various locations within Santa Barbara County. In Year 13, the COS will continue to support the next Coastal Cleanup Day (September 20, 2025) by posting information about the event on the City's Facebook Page.

3.1.1.4 Target Audience

3.1.1.4.1 Landscapers

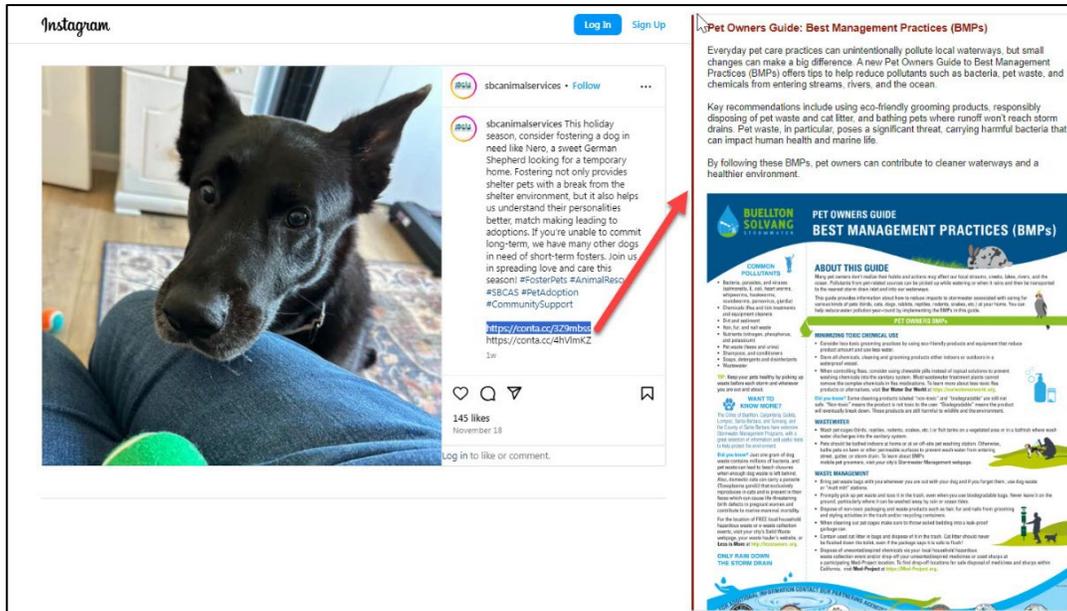
On September 19, 2024, COS emailed the updated Landscaper's Guide to BMPs (English version) to all city approved landscapers and to the Santa Barbara County Water Agency for dissemination to all students attending the Green Gardener class offered on-line via Santa Barbara City College and/or Allan Hancock Community College.

During Year 13, the COS will distribute the guide to other local landscapers when identified in-person or via direct mail/email.

3.1.1.4.2 Pet and Animal (Horse/Livestock) Owners

During Year 12, the COS partnered with the SBCAS to post information within their E-Newsletter and on their Facebook and Instagram social media accounts to the announcement of both the Pet Owners and Animal Care and Handling Facilities BMP Guides. The Animal Care

and Handling Facilities BMP announcement was posted within their E-Newsletter and on both social media accounts on October 28, 2024, and the Pet Owners BMP announcement was subsequently posted on November 18, 2024.



Instagram Post

On November 27, 2024, the SBCAS shared the following statistics from our outreach collaborative postings:

Animal Care and Handling Facilities BMP Guide		
E-Newsletter	Sent Emails	28,566
	Opens	9,351
	Bounced	5,302
	Open Rate	40.2%
Social Media	Facebook Reach	457
	Instagram Reach	2,480
Pet Owners BMP Guide		
E-Newsletter	Sent Emails	28,499
	Opens	9,107
	Bounced	5,295
	Open Rate	39.2%
Social Media	Facebook Reach	727
	Instagram Reach	1,238

In addition, the City posted Part 1 of its 2024-2025 Social Media Stormwater Series (SMSWS) on January 16, 2025 that focused on the Pet Owners Guide to BMPs which provide actionable tips to pet owners to help prevent water pollution. The Animal Care and Handling Facilities Guide to BMPs will be introduced in Part 8 of the 2025-2026 SMSWS that is scheduled to be posted in Year 13 by August 15, 2025.



Facebook Post

3.1.1.5 Direct Mailers/Media Campaign

3.1.1.5.1 Articles

During Year 12, the COB and COS did not submit stormwater pollution prevention articles for publication within the SYV News; but rather completed the publication of the SMSWS and Social Media Stormwater Posts (SMSWP) as an alternative outreach approach as described within Section 3.1.1.5.4.

3.1.1.5.2 Direct Mailers/Email Campaign

In Year 12, the COS did not conduct any direct mailers but rather focused on creating a SMSWS for BMP Guides as an alternative outreach approach as described within Section 3.1.1.5.4. During Year 13, the COS will begin its direct mailer approach as conduct outreach to restaurants, mobile cleaners and landscapers.

3.1.1.5.3 Tip of the Month (TOM)

The COS [Stormwater Management Program](#) and [Water Conservation](#) webpages contain TOM that is published annually and can be downloaded. The Stormwater and Water Conservation TOM is also available at the stormwater brochure display located on the front desk of City Hall. Additionally, a laminated copy of the Stormwater and Water Conservation TOM is being maintained at the Goodall Education Center (3rd Floor) of the California Nature Art Museum as an alternative outreach opportunity.

The following nutrient related Stormwater TOM as published in the month of July and May:

May 2025: Got pests? Protect your garden and community by choosing less-toxic pesticides. Check out the Our Water Our World displays at participating retail stores (Farm Supply, Windmill Nursery, Valley Hardware) or visit the [OWOW](#) website to learn about less-toxic products to use.

July 2025: With the Fourth of July fireworks come reminders to keep your pets indoors, safe from the loud noises—you can also protect our waterways from pet waste: frequently pick up pet waste from your yard, avoid accumulation of manure in animal pen areas, and carry pet waste bags while walking your dog and dispose of it in a trash can. Visit your City's Stormwater Management webpage ([Buellton](#) or [Solvang](#)) to learn more about stormwater pollution prevention.

The COS continues to work with the Solvang Chamber of Commerce to publish the Stormwater and Water Conservation TOM within their E-Newsletter at least one time per month.

3.1.1.5.4 Social Media

During Year 12, the COS completed the publication of the third and final SMSWS on Facebook as an alternative outreach approach to the publication of stormwater pollution prevention articles within the SYV News.

The first SMSWS was published in Year 10 Quarter (Q) 3 and Q4 and Year 11 Q1 focused on educating the community about stormwater (what it is, where it flows, types of stormwater pollution, development impacts, monitoring our local waterways and how we prevent stormwater pollution in the community). The second SMSWS was published in Year 11 Q3 and Q4 focused on individual pollutants (sediment, bacteria, herbicides/fertilizers/pesticides, oil and grease, trash and plastic) and what proactive measures the community can take to help reduce and/or eliminate these pollutants from entering our waterways. Both of these SMSWS set the stage for the third and final series which highlighted each of the BMP guides which provide pollution prevention practices to target audiences which if implemented can help reduce water pollution year-round.

The third SMSWS was published in Year 12 Q3 and Q4 focused on 6 BMP Guides which targeted pet owners, restaurants, mobile cleaners, landscapers, construction industry, and homeowners.

In total, the City published the following SMSWP and SMSWS which included an announcement on the BMP Guide updates and information on an upcoming Coastal Cleanup Day:

- SMSWP - BMP Guide Update (July 29, 2024)
- SMSWP - Coastal Cleanup Day (September 11, 2024)
- SMSWS 3 Part 1 - Pet Owners Guide to BMPs (January 16, 2025)
- SMSWS 3 Part 2 - Restaurants Guide to BMPs (February 18, 2025)
- SMSWS 3 Part 3 - Mobile Cleaners Guide to BMPs (March 14, 2025)
- SMSWS 3 Part 4 - Landscapers Guide to BMPs (April 28, 2025)
- SMSWS 3 Part 5 - Construction Industry Guide to BMPs (May 19, 2025)
- SMSWS 3 Part 6 - Homeowner Guide to BMPs (June 23, 2025)



Facebook Post

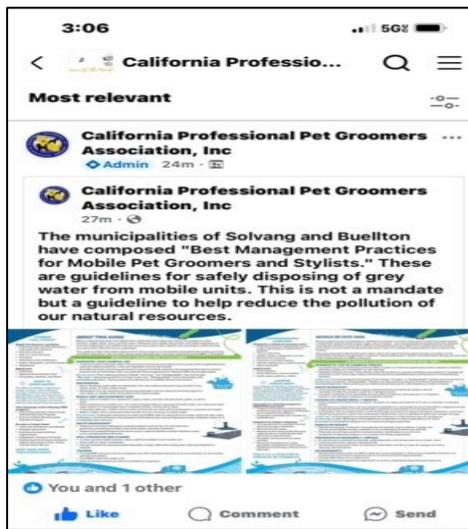
The City also coordinated with the California Professional Pet Groomers Association (CPPGA) and SBCAS) and to publish the following posts on Facebook and/or Instagram:

Facebook:

- CPPGA - Mobile Groomers & Stylist Guide to BMPs (August 26, 2024)
- SBCAS - Animal Care and Handling Facilities Guide to BMPs (August 28, 2024)
- SBCAS – Pet Owners Guide to BMPs (November 18, 2024)

Instagram:

- SBCAS - Animal Care and Handling Facilities Guide to BMPs (October 28, 2024)
- SBCAS – Pet Owners Guide to BMPs (November 18, 2024)



Facebook Post

During Year 13, the City will published Part 7-11 of the BMP Guides which targeted (residential tenant and landlord, animal care and handling facilities, mobile pet groomer and stylist, automotive, and special events.

3.1.1.5.4 Billboard

Both the COB and COS continue to maintain a stormwater billboard at the SYV Botanic Garden Information Kiosk. The COS also continues to maintain a stormwater billboard at the Solvang Public Library.

3.1.1.6 Community Based Social Marketing (CBSM) Campaign

3.1.1.6.1 Our Water Our World (OWOW) Campaign

During Year 12, the COS continued implementing the CBSM OWOW Campaign and maintained the display racks within Valley Hardware which provide customers with fact sheets on specific pests. The campaign uses a point-of-purchase strategy to encourage stores to carry less-toxic products, and to educate staff and customers on how to choose and use eco-friendly pesticide products. The program provides current information on products and Integrated Pest Management techniques through training of store staff, and a series of fact sheets for the general public. The reduction of pesticide uses and the use of less-toxic products around the home can lead to a reduction of pollutants in run-off and local waterways as well as a healthier environment for the public.



OWOW Display Rack

The number of education and outreach materials distributed at the Valley Hardware included:

Brochure: 10 Ten Most Wanted, 0 HHW Facilities SBC

Fact Sheets: 35 Ants (31 English and 4 Spanish), 13 Aphids, 17 Bed Bugs (15 English and 2 Spanish), 6 Cockroaches, 16 Flees, 20 Healthy Gardens, 11 Lawn, 9 Moles, Voles & Gophers, 12 Mosquitos, 9 Pesticides (4 English and 5 Spanish), 29 Rats & Mice (26 English and 3 Spanish), 12 Roses, 6 Snails & Slugs, 16 Spiders, 14 Weeds, 4 Yellowjackets

3.1.1.6.2 Pet Waste Campaign

The COS continues to promote the CTPL Pet Waste Campaign and its message to “Pick up After Your Dog & Toss It In The Trash” on the City’s [Stormwater Management Program](#) webpage and through distribution of CTPL Bag Dispensers for Pet Waste Disposal and Stormwater Bookmarks at City Hall and Planning Office and at designated events. In addition, the COS continues to spread this message through the updated BMP Guides (Mobile Pet Groomer & Stylist, Pet Owners) and social media posts.

The city will continue to promote the CTPL campaign through information that is posted at the SYV Botanic Garden Information Kiosk Display Board and at the Solvang Public Library’s Stormwater Display Board; and offer free CTPL Bag Dispensers for Pet Waste Disposal at City Hall and Planning Office and at designated events.



Stormwater Display Board

During Year 12, the City distributed 125 CTPL Bag Dispensers for Pet Waste Disposal at the following locations and/or events: 55 City Hall, 22 Planning Office, 11 Buellton BBW Bonanza, 2 Buellton Fall Fest, 5 Buellton Library Event and 30 SYV Humane Society.

3.1.1.7 IDDE Training

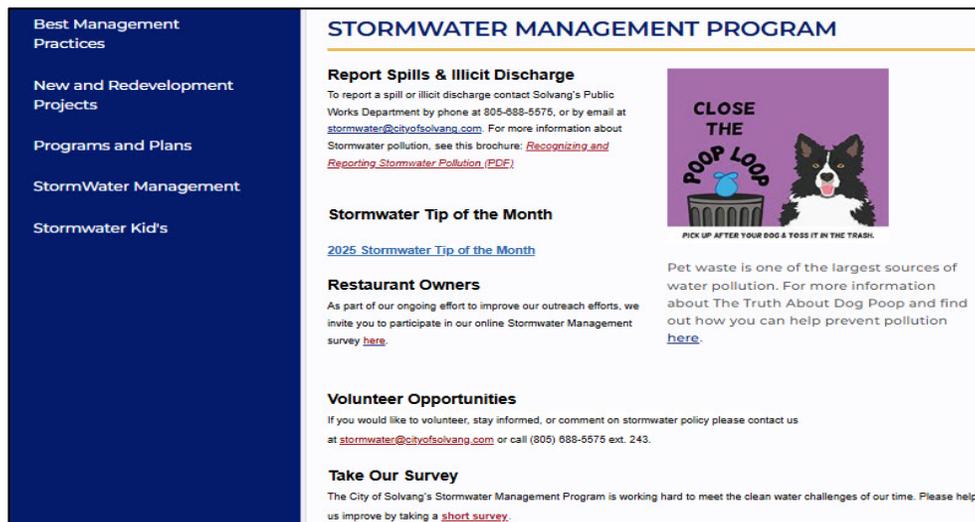
There were 37 City Staff (6 new and 31 existing), 3 Contract Staff that were provided with IDDE Training. All new City Staff were provided with a Quiz following the initial training. All existing City Staff were provided with a Quiz that was used to assess trained staff’s knowledge in the identification of an illicit discharge, proper reporting and response to the illicit discharge or illegal connection.

Based on the completed quizzes from 6 New City Staff and the annual assessment from 31 Existing City Staff and 3 Contract Staff demonstrates general awareness by the average percentage correct for New City Staff 100%, Existing City Staff 98%, Contract Staff 100%. As a result, 31 of the 35 spills and/or illicit discharges reported were from City Staff; and 4 from an anonymous public notification.

3.1.2 Public Involvement and Participation (CASQA Outcome Level 2-3)

3.1.2.1 Program Survey

During Year 12, the COS continued to maintain an on-line Stormwater Management Program survey to assess the public's knowledge on their SWMP. Based on the lack of participation in the on-line survey received [Year 2 (10 Responses), Year 3 (6 Responses), Year 4 (2 Responses), Year 5 (0 Responses), Year 6 (0 Response), Year 7 0 Response), Year 8 (0 Responses) ,Year 9 (1 Response), Year 10 (0)], Year 11 (0) and Year 12 (0)], the COS will continue to implement the alternative approach of promoting the on-line survey through direct interactions at an event and will continue to engage the residents and business through direct mailers to take the on-line survey.



Program Survey

Although the COS's stormwater website on-line survey results showed a decline for Year 4-12, the City altered its approach of promoting the on-line survey through direct interactions at an event that resulted in an increase total participation for Year 4 (22 Responses), Year 5 (11 Responses) and Year 6 (14 Responses) , Year 7 (10 Responses COB and 10 Responses COS) Year 8 (No Events due to COVID-19 Outbreak) ,Year 9 (16 Responses), Year 10 (13 Responses) and Year 11 (12 Responses); Year 12 (11 Responses). In Year 13, the COS will continue to promote taking the stormwater survey on the City's website and through direct mailers or by other means suitable to the target audience,

3.1.2.2 Event Participation

The public did participate and visit the COB and COS stormwater display booth at the Buellton BBQ Bonanza Buellton Fall Fest and Buellton Library Event . The number of visitors and surveys completed were as follows: Buellton BBQ Bonanza (60 Visitors, 9 Surveys), Buellton Fall Fest (32 Visitors, 10 Surveys) and Buellton Library Event (30 Visitors, 1 Survey). In addition, the approximate number of wheel spins from Spin-the-Wheel activity where participants spun the wheel and answered a stormwater educational question for a prize were as follows: Buellton BBQ Bonanza (47 Spins), Buellton Fall Fest (12 Spins) and Buellton Library Event (80 Spins). Note: Some participants spun the wheel multiple times and answered more than one question.

3.1.2.3 Interested Parties Sign-up

The COS did not have any interested Parties Sign-up via the City's Stormwater Management webpage. The COS will continue to promote and encourage the public sign-up on-line and at events.

3.1.3 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

3.1.3.1 Legal Authority

The COS continued to implement its IDDE Program through Solvang Municipal Code (SMC) Title 14 Stormwater Management also known as the Stormwater Management Ordinance and the COS Stormwater Program Management Certification Statement which provides the COS full legal authority to implement and enforce each of the NPDES Phase II MS4 General Permit requirements.

3.1.3.2 IDDE Procedures

The COS continues to implement a Spill Response Plan (SRP) which provides guidance to City Staff responding to a complaint or notice of a spill, illicit discharge, or illegal connection; and investigating to locate and identify the source of a non-stormwater discharge.

3.1.3.3 IDDE Site Investigations/Inspections/Enforcement

During Year 12, there were 13 out of 25 site investigations that were associated with nutrients. As a result of these investigations/complaints, the COS issued 4 verbal warnings, 4 stormwater outreach and 11 written notices with all incidents being resolved/closed through the IDDE Program. The COS will continue to conduct stormwater education and outreach efforts whenever possible through direct interactions or through direct mail/media campaign.

3.1.4 Pollution Prevention and Good Housekeeping (CASQA Outcome Level 2-4)

3.1.4.1 Fats, Oil and Grease (FOG) Inspections

The COS's FOG Program continues to be managed by the Wastewater (WW) Division. The WW Division provides FOG control material to new Food Service Establishment and existing businesses experiencing FOG problems, surveys are not part of their education and outreach program.

The COS has a low incident of FOG related SSO in the City's commercial services areas. From a collection system perspective, the FOG-control program is achieving FOG-control's number one goal of preventing main line blockage and spills. The participants in the FOG-control program are aware of the city requirements and believe they are operating in a compliant manner that prevents nutrients from leaving the site. During Year 12, City staff conducted 22 inspections and found no violations which include the management of grease trap.

In Year 13, the COS will also continue to promote the on-line Solvang Restaurant Survey via the City's website and begin its direct mailer approach to conduct outreach to restaurants to announce the updated Restaurant and Mobile Cleaning BMP Guides.

3.1.4.2 Green Waste Management

The COS continues to contract with a local waste hauler (Waste Management) for management of green waste and coordinates/promotes green waste recycling in the community through the waste hauler.

3.1.4.3 Pet Waste Management

The COS continues to maintain 15 Mutt Mitt Stations at the following locations to help eliminate pet waste from entering our local waterways: 4 Hans Christian Andersen Park, 3 Sunny Fields Park, 2 Solvang Park, 1 Veterans Memorial Building, 2 Skytt Mesa residential area, 1 Parking Lot 4, 1 Creekside residential area (open space) and 1 within a xeriscape area (on walking trail between Old Mission Road and Mission Drive).



Mutt Mitt Station

The COS Mutt Mitt Program purchased approximately 36,000 bags during Year 12 for the Bi-weekly Maintenance and refilling the Mutt Mitt Stations.

3.1.4.4 Pollution Prevention and Good Housekeeping Training

The COS continues to provide Biennial Training as described within the Pollution Prevention and Good Housekeeping (CASQA Outcome Level 2-4) Section to ensure City Staff are incorporating pollution prevention/good housekeeping techniques into Permittee Operations.

During Year 12, the City conducted Operation and Maintenance Activities Assessment Program Training on October 8, 2024, which was attended by Maintenance, Parks and Recreation and Maintenance Staff. As part of the refresher training, the Staff reviewed the City's Operation and Maintenance (O&M) Activities Assessment Procedure and took part in an exercise to complete an O&M Activities Assessment Inspection Form as well as watched a CASQA Video Minor Spill and Leak Cleanup as a pollution prevention and good housekeeping."

3.1.5 Water Quality Monitoring (CASQA Outcome Level 5)

The COS continues to participate in the Santa Barbara County Project Clean Water's regional water quality monitoring program. The draft USWMP (titled Receiving Water Monitoring Plan) FY 2015-2018 was submitted to the CCRWQCB on December 29, 2014. This plan included a regional monitoring approach for Cities of Buellton, Solvang, Carpinteria, Goleta and the County of Santa Barbara. The Quality Assurance Project Plan along with the updated USWMP, revised to address comments from the CCRWQCB was submitted on October 13, 2015, through the SMARTS Database. On March 4, 2016, Santa Barbara County Project Clean Water received Executive Officer Approval for the revised USWMP and the Quality Assurance Plan (QAPP). Monitoring was initiated during Year 3, and results were reported as part of the Year 3 and subsequent Annual Reports.

The results of the USWMP provided a land use-based pollutant load prioritization and reduction model (LPRM) that was used to calculate wet weather loads produced in the monitoring area, prioritize catchments for BMP placement, and evaluate the performance of existing and future BMPs. The monitoring data collected in Year 3 through the activities described in this Plan was used to inform the model, by providing site-specific land use pollutant concentration data. As described within the USWMP, the monitoring outfalls will be selected based on their drainage areas consisting of a more or less homogenous land use category. The first year of wet weather urban runoff was initiated in Year 3.

During Year 3, four storms were monitored at a total of 6 sites representing different land use types. Stormwater run-off was analyzed from 8 to 10 storms, and the data was used to revise the EMCs of the model to reflect local runoff concentrations in the modeling results that were reported in the regional 303(d) Monitoring Program FY 2015-2016.

The CCRWQCB issued Technical Report Order 13267 on June 13, 2016, that required the submission of the following reports that document progress on key activities relating to completing spatially based stormwater volume and pollutant loading estimates by the due dates listed below:

Report #1: Catchment Delineation and Relevant Attributes that support catchment scale stormwater volume and pollutant loading analysis (Due Date: August 12, 2016).

Report #2: BMP Inventory for all Centralized and Decentralized BMPs within the City; Stormwater Volume and Pollutant Loading-Unmitigated Condition and Catchment Ranking-Unmitigated Condition for all catchments within the City (Due Date June 30, 2017).

Report #3: BMP Assessment for all BMPs using an effective approach for assessing structural BMP performance, estimate stormwater volume and pollutant load reduction based on the intended BMP function and current BMP condition based on the BMPs ability to function relative to intended design (Due Date: June 30, 2018; Revised Due Date: October 15, 2018); and

Report #4: Stormwater Program Modifications Fifth Year Report (Due Date: October 15, 2018).

On November 10, 2016, the CCRWQCB provided comments on how to refine the model approach to meet specific requirements listed in Technical Report Order 13267. The CCRWQCB approved the revised LPRM on July 18, 2017, which included the ability to determine the percent capture of the BMPs implemented based on the standard design attributes. The BMPs inventoried along with the results of the BMP Field Assessment will be uploaded to the LPRM and the new modeling results will be reported in the Technical Report Order 13267 Report #3.

The COS submitted the required Technical Order Reports #1-4 and continues to participate in the regional water quality monitoring program. The COS will also continue to conduct annual Condition Assessment Observations for each BMP Inventoried in accordance with the Attachment B - BMP Condition Assessment Guidance to the LPR Model Technical Report.

Although water quality monitoring has continued since 2016, the COS sent a Notification Letter to the Central Coast RWQCB on February 4, 2021, regarding the need for temporary adjustment to their Stormwater Program due to COVID-19 directives and related to safety incident involving a sampler. The COS and partner agencies considered these concerns along with the risk involved throughout the sampling procedure to make the decision to postpone any further sampling under the 303(d)-sampling program until next season. In lieu of sampling that would have been conducted during Year 8, the COS committed the equivalent amount of funds approximately \$1,166* to cleanup/abatement of sediment accumulation impacting Outfall 20 and 21. Following the submittal of the notification letter, the COS allocated additional funds to cleanup/abatement of sediment accumulation impacting Outfall 19.

* = Correction. The cost of Sampling 3 Events is approximately \$2,300/year (total~7,000 split amongst partners with County taking 2 portions). The Amount of Equivalent Funds for COS to allocate toward cleanup/abatement is \$1,166/year.

Although contracts were executed on May 6, 2021, at a cost of \$3,900 for Outfall 20 and 21; and \$3,700 for Outfall 19 for a total of \$7,600 which exceeded original allocated funds, the work was scheduled in July due to the additional budgetary constraints. The cleanup/abatement work for Outfall 19 was completed by July 16, 2021, with the removal of 1 cubic yard of sediment; and has a tentative date of October 30, 2021, date for needed repair of outfall pipe.

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During Year 10, the Santa Barbara County Partner Agencies did identify a new high density residential location for sampling as part of the 303(d)-sampling program; and subsequently sampled from the location during the reporting year. Due to a lack of storm activity during working hours that would create significant rainfall for multiple sampling activities, the COS was able to complete one sampling event (December 20, 2023) during Year 11. As a result of the lack of sampling activity, the 303(d) Monitoring Program

partners agencies took the opportunity to analysis the sampling result data collected and may incorporate recommendations from the analysis into the 303(d) Monitoring Program.

During Year 12, the COS continued to actively participate in the Regional 303(d) Monitoring Program with partner agencies, the County of Santa Barbara Project Clean Water (County) and Cities of Carpinteria, Goleta, and Buellton. Three monitoring events per year are targeted for each reference land use site (industrial, commercial, high-density residential, and agricultural); however, the ability to collect samples is dependent upon weather conditions, safety, and sufficient discharge to collect samples over the timeframe for aliquot sample collection. The 2024-2025 wet year had significant periods of dry weather and storm events that were not able to be sampled due to insufficient rainfall or flooding and dangerous road conditions (see the 303(d) Monitoring Report for event details). Additionally, sampling staff consists of volunteers from the partner agencies and the manpower available each storm varies. The COS was available to staff all monitoring events of the year except one, which was the only event that was able to be sampled by the partners. Given this, monitoring of the high-density residential land use, which is located in Solvang, was not conducted during the 2024-2025 reporting year.

Therefore, the COS used resources reserved for monitoring to instead provide education and outreach to the property owner where the high-density residential monitoring point is located, with the intent of reducing stormwater pollutants from the land use. The property owner was engaged and provided an updated copy of the Landscaper's Guide to BMPs in English and Spanish to review with the new Landscape Maintenance Supervisor and their landscape service contractors as well as a copy of the Homeowners Guide to BMPs and the Pet Owners Guide to BMPs in both English and Spanish to make available to the residents to help reduce common pollutants generated from various types of activities at this high-density residential locations.

3.2 SEDIMENTATION / SILTATION (Total Suspended Solids)

3.2.1 Education and Outreach (CASQA Outcome Level 2-3)

3.2.1.1 Brochure Distribution

During Year 12, the number of education and outreach materials distributed through stormwater brochure displays at the City facilities (City Hall, and Planning Department) including direct interactions with applicants visiting the Planning Department Counter related to Sediment include:

BMP Guides: 1 Construction Industry's Guide to BMPs

Brochures: 10 Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control.

The COS will continue to distribute educational materials to construction site operators during initial interactions in the field.

In addition, the COS announced the updated Construction Industry's Guide to BMPs on Facebook through a SWSMP that was published on July 29, 2024, and highlighted the BMP Guide in a SMSWS that was published on May 19, 2025, as described in Section 3.1.1.5.4.



Facebook Post

3.2.1.2 Website File Views/Hits

Note: On January 1, 2022, the City’s website platform was changed from Civic Plus to Google Analytics. With this change, the City has been unable to recreate a new Website Hits/Download Report that disseminates the information in a format that provides the differentiation for the number of hits or downloads of each of the BMP guides, brochures and posters Sediment related outreach materials received during the reporting year. During Year 11, the City was able to create a report that provides views of the Stormwater Management Program Webpages, and the City was unable to create a report that provides views of individual guides, brochures or posters. In Year 12, the Stormwater Management Program Webpages recorded the following views: Stormwater Management (420 views); BMPs (86 views); New and Redevelopment Projects (113 Views).

During Year 12, the COS continued to maintain weblinks to additional resources on the City’s Stormwater Management website to the Santa Barbara County Project Clean Water and California Stormwater Quality Association. The following Sediment related outreach materials were maintained on the City’s website:

BMP Guides: Construction Industry’s Guide to BMPs (English and Spanish)

Brochures: Prevent Soil Erosion on Your Property – A Homeowner’s Guide to Erosion Control

Posters: EPA’s Stormwater and the Construction Industry Poster.

3.2.1.3 Construction Outreach

During Year 12, the COS to maintain connections to construction contractors through monthly inspections that are designed to ensure BMPs have been maintained, evaluate the effectiveness of the BMPs installed and to verify that pollutants have not discharged into a receiving water body.

In addition, the City continued to forward Free Training Opportunities to 68 Project Developers, Designers, Engineers, Architects, and/or Landscape Architects that are known to work within the COS and COB and to 12 City/Contractor staff members. The free virtual training opportunities included:

- September 23-27, 2024 - Stormwater Awareness Week – The Webinars are designed to help attendees stay informed about stormwater regulations and best management practice implantation at construction sites.
- September 23, 2024 – Monterey Regional Stormwater Management Program’s Construction General Permit and PCR Stormwater Requirements – This webinar is design to help the attendee to better understand the flow chart for construction general permit (CGP) and Post-Construction Requirements (PCRs).

In Year 13, the COS will continue to forward training/workshop information to construction site operators when opportunities become available.

3.2.1.4 Permittee Staff Training

There was 2 City Staff and 1 Contract Staff was provided Permittee Staff Training which covered topics such as: construction stormwater awareness, stormwater outreach materials (Construction Industry’s Guide to BMP and Stormwater and the Construction Industry Poster), Construction Site Inventory and PCR Tracking Log, E&SCP Checklist, Stormwater Control Plan (SWCP) Review Checklist, Construction Site Stormwater Compliance Inspection Checklist, and the Post-Construction Resolution and the Santa Barbara County Stormwater Technical Guide. Based on the completed quizzes from 2 City Staff and 1 Contract Staff demonstrates general awareness by the average percentage correct for City Staff 90%, Contract Staff 100%.

The 1 Contract Staff conducting inspections demonstrated an understanding of erosion and sediment control via a score of 100%.

3.2.2 Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

3.2.2.1 Legal Authority

The COS continued to implement its IDDE Program through SMC Title 14 Stormwater Management also known as the Stormwater Management Ordinance and the COS Stormwater Program Management Certification Statement which provides the COS full legal authority to implement and enforce each of the NPDES Phase II MS4 General Permit requirements.

3.2.2.2 IDDE Procedures

The COS continues to implement the SRP which provides guidance to City Staff responding to a complaint or notice of a spill, illicit discharge, or illegal connection; and investigating to locate and identify the source of a non-stormwater discharge.

3.2.3.3 IDDE Site Investigations/Inspections/Enforcement

During Year 12, there were 2 site investigations associated with sediment related discharges. As part of the Stormwater Management Program, the COS continues to work with construction contractors, residents, and businesses to resolve any corrective actions and/or discrepancies found during the inspection and through receipt of a notification or complaint.

3.2.3 Construction Site Stormwater Runoff Control (Outcome Level 2-3)

3.2.3.1 Permit Issuance/Plan Approvals

During Year 12, the COS issued 4 new construction site grading permit for a project that required an E&SCP and a SWCP but not a Stormwater Pollution Prevention Plan (SWPPP). In total, the COS approved 4 E&SCP and 2 SWCP for a Tier 1 Project , 1 SWCP for a Tier 2 Project and 1 Project approval that predates Post-Construction Requirements.

3.2.3.2 Construction Site Inspections/Enforcement

The COS inspected seven (7) construction sites monthly during Active Construction. Two of the 7 construction sites transitioned from an active construction inspection to a following active construction inspection until it transitioned to operation and maintenance. The project status of the 7 construction sites are as follows: 5 Active Construction, and 2 Following Active Construction (Pending Closure) 2. In total, the COS conducted 3 Prior to Land Disturbance (during rainy season) Inspections, 36 Active Construction Inspections, 2 Following Active Construction Inspection.

In Year 13, the COS will continue to monitor the erosion and sediment control measures at each construction site and continue to work with construction contractors to resolve any corrective actions and/or discrepancies found during the inspection. The City also continue to send NOAA Hourly Weather updates when rainfall estimates are 0.5 inches or greater to encourage inspection of the construction sites and install/repair/replace erosion and sediment control BMPs or other temporary BMPs as needed to secure the site prior to rain.

3.2.4 Post-Construction Site Stormwater Runoff Control (CASQA Outcome Level 2-3)

During Year 12, 6 of the 7 construction sites received discretionary / ministerial approval after March 6, 2014. Five (5) of the 7 construction projects were required to develop a SWCP to comply with PCR Measures; and the 2 remaining construction projects were unregulated (1 construction project was deemed unregulated per PCRs Section B.1.a (too small) and 1 construction project approval predates the PCRs.

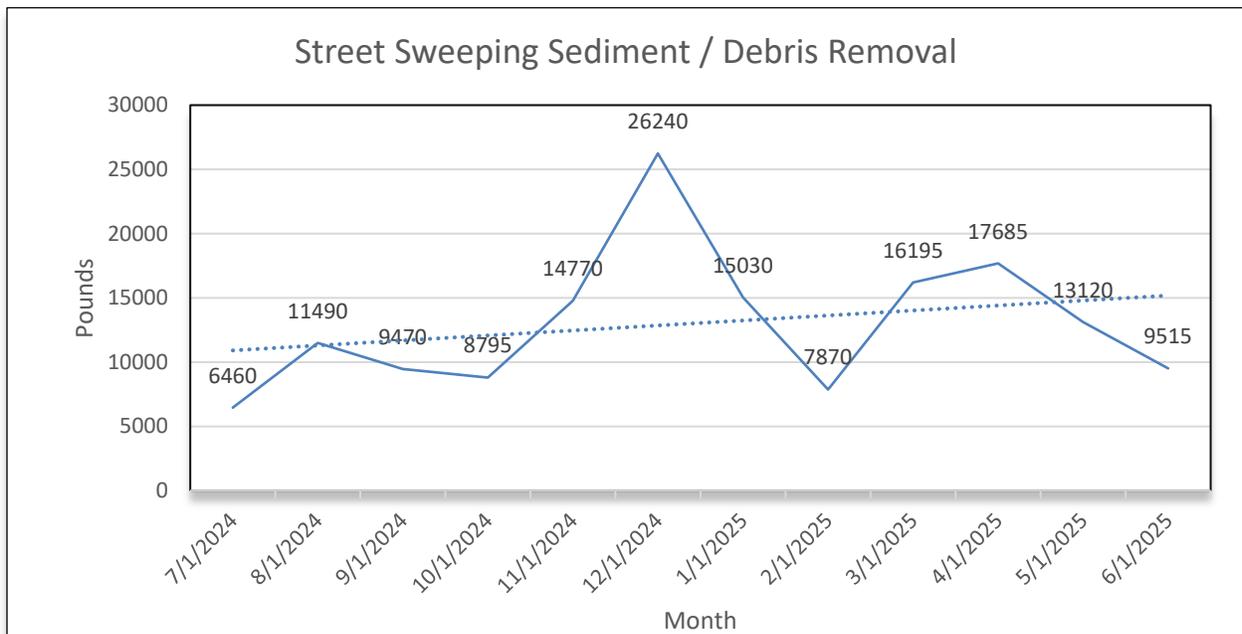
All 7 construction sites have or will be implementing LID measures.

3.2.5 Pollution Prevention and Good Housekeeping (CASQA Outcome Level 2-3)

3.2.5.1 Street Sweeping

The COS Street Sweeping Maintenance Contractor continued to conduct Street Sweeping Activities on all municipal streets (residential and arterial city streets) bi-monthly, downtown village area once per month, alleys downtown every month, and Hans Christian Andersen Park and Sunny Fields Park quarterly. By conducting street sweeping activities on a regular basis, the COS minimizes sediment and other pollutants from entering the storm drain conveyance system.

In Year 12, the COS's street sweeping program collected approximately 156,640 pounds of sediment/debris (leaf , trash) removed from approximately 54 curb miles of City streets (including city parking lots), mitigating the impact of sediment/debris on the storm drain system and local waterways. The graph below illustrates the continued success of the street sweeping program especially during Solvang's busy holiday season which begins the end of September and continues through the first week of January bringing tourists to Solvang for special events such as Danish Days, Scarecrow Fest, and Julefest.



Since Year 10, the COS has removed 408,585 pounds of sediment/debris through the implementation of bi-monthly street sweeping activities as illustrated below. This non-structural BMP is very effective in removing pollutants from the MS4 system and preventing these pollutants from impacting the local waterways.

Reporting Year	# Pounds of Sediment / Debris Removed	% Pounds Sediment / Debris Removed
Year 10: 2022-2023	126,485	30.96%
Year 11: 2023-2024	125,460	30.71%
Year 12: 2024-2025	156,640	38.34%
Grand Total	40,8585	100.00%

3.2.5.2 Storm Drain Assessing & Prioritizing Maintenance Activities

The COS continued the implementation of the Storm Drain System Standard Operating Procedure (SOP) for Assessing & Prioritizing Maintenance Activities to comply with all required program elements of the NPDES Phase II MS4 General Permit. The COS has over 360 drainage structures (including approximately 209 catch basins, 10 drop inlets, 29 inlets, 22 outfalls, 1 detention basin, etc.) that are routinely inspected and managed by City staff. It is cost prohibitive to inspect every linear foot of the City’s large storm drain system on a short-term schedule. For this reason, the City uses a planning approach to focus inspection of catch basin, inlet, drain structures deemed high priority for inspection based on the geographical location within a priority land use area. The City used the GIS database to develop the method for prioritizing and assessing the inventory and will continue with the assessment method as outlined within the Storm Drain System SOP.

During Year 10, the COS re-evaluated all priority land use areas to confirm all catch basin, inlet, and drainage structures within those areas. This evaluation provided the City with the opportunity to modify its GIS database to assign an attribute to all catch basins that meet the criteria of High Priority. This attribute designation has allowed the city to redefine its inventory to identify high priority structures that require annual inspection and maintenance (if needed).

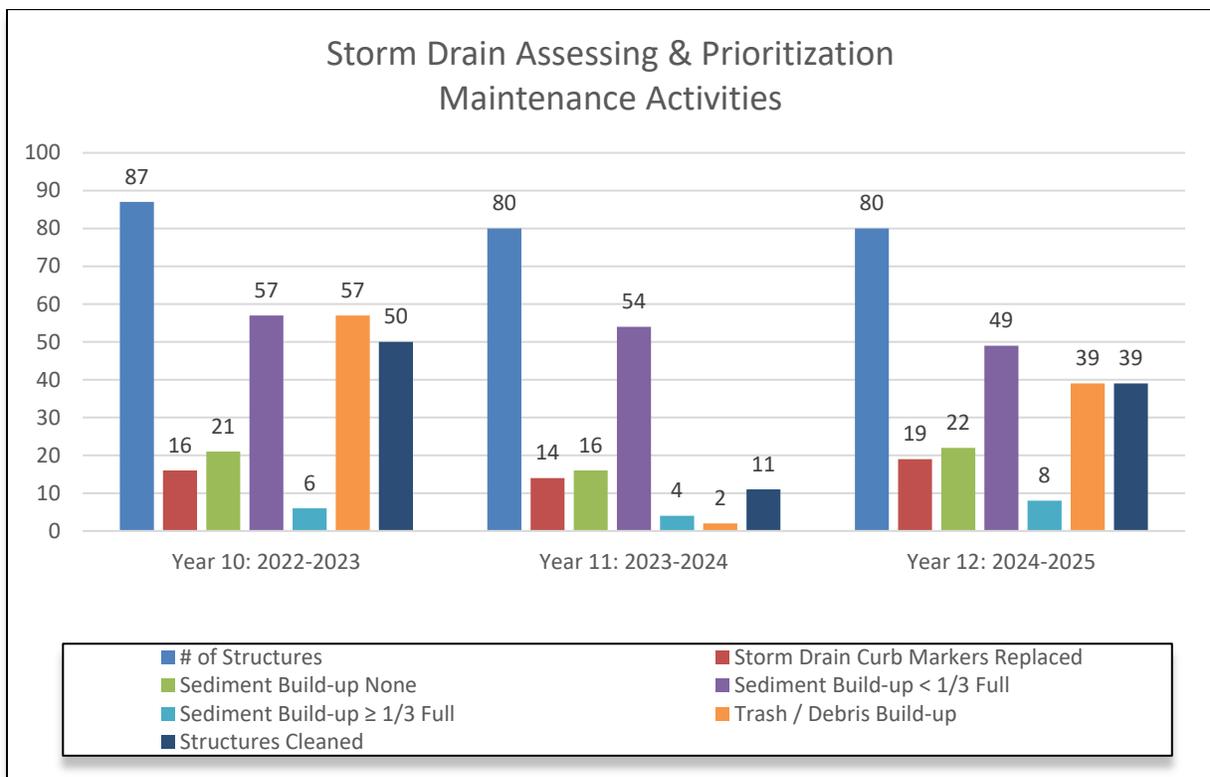
Through a re-evaluation, it was determined that the COS has 80 high priority catch basins located within the designated priority land use areas. Following this determination, the COS incorporated an inventory of high priority catch basins within the Storm Drain System SOP. In addition, the COS also replaced the High Priority Infrastructure Map within the Storm Drain System SOP with a series of Storm Drain Maintenance Atlas Maps which identify each of the locations of the high priority catch basins. The Storm Drain System SOP modifications will assist City Staff with assessing and prioritizing inspections and maintenance activities and improve time efficiency for completing inspections.

During Year 12, the City inspected all 80 high priority structures and conducted and/or coordinated maintenance activities which including cleaning 38 structures removing sediment, leaf debris, and trash/debris from inside and outside of structures. In addition, the COS also replaced 19 Storm Drain Curb Markers that were found to be damaged or missing.

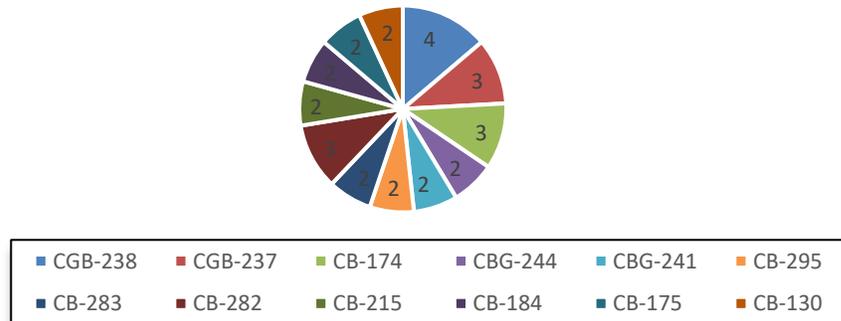
Since the re-evaluation of priority land use areas in 2022, there has been a slight increase in the number of structures that were found to have sediment buildup $\geq 1/3$ full and trash/debris accumulated within the structure. Through this data analysis illustrated in the table and graphs below, the COS has determined that there are 12 of 30 structures that require re-evaluation during Year 13 to determine the source of the sediment impact in order to prevent reoccurrence of build-up within these structure. In addition, the COS is also reviewing the implementation of all non-structural BMPs as part of the development of the City’s Trash Implementation Plan for

complying with the Trash Provisions. This non-structural BMP is also very effective in removing pollutants from the MS4 system and preventing these pollutants from impacting the local waterways.

Reporting Year	# of Structures	Storm Drain Curb Markers Replaced	Sediment Build-up None	Sediment Build-up < 1/3 Full	Sediment Build-up ≥ 1/3 Full	Trash / Debris Build-up	Structures Cleaned
Year 10: 2022-2023	87	16	21	57	6	57	50
Year 11: 2023-2024	80	14	16	54	4	2	11
Year 12: 2024-2025	80	19	22	49	8	39	39



Storm Drain Structures
Sediment \geq 1/3 Full Reoccurrence



3.2.5.3 Hotspot Inspections

The COS does not have any “Confirmed” or “Severe” Hotspot” that required quarterly inspections. During Year 12, the COS performed annual inspections on 2 locations that are deemed “Potential” Hotspots – (1) Municipal Annex Building/Maintenance Shop; and (2) Corporate Yard.

All observations from facility assessments were recorded on Hotspot Site Investigation Forms that were completed in accordance with the Center for Watershed Protection’s Restoration Manual Series guide on Urban Subwatershed and Site Reconnaissance: A User’s Manual. Observations included any potential and observed pollution sources from vehicle operations, outdoor materials, waste management, and physical plant (including building maintenance, parking lots, downspouts, onsite construction activities), turf/landscaping areas and storm water infrastructure at these facilities.

The Facility Inspection report indicated that the Municipal Annex Building/Maintenance Shop is still a “Potential” Hotspot, but the Corporate Yard is “Not A Hotspot.” Although the results for the Corporate Yard indicated that the facility is “Not A Hotspot,” the Corporate Yard will inspect continued to be inspected annually due to storage of equipment and diesel tank for the emergency generator located on site.

3.2.6 Water Quality Monitoring (CASQA Outcome Level 5)

The COS continues to participate in the Santa Barbara County Project Clean Water’s regional water quality monitoring program. The draft USWMP (titled Receiving Water Monitoring Plan) FY 2015-2018 was submitted to the CCRWQCB on December 29, 2014. This plan included a regional monitoring approach for Cities of Buellton, Solvang, Carpinteria, Goleta and the County of Santa Barbara. The Quality Assurance Project Plan along with the updated USWMP, revised to address comments from the CCRWQCB was submitted on October 13, 2015, through the SMARTS Database. On March 4, 2016, Santa Barbara County Project Clean Water received Executive Officer Approval for the revised USWMP and the QAPP. Monitoring was initiated during Year 3, and results were reported as part of the Year 3 and subsequent Annual Reports.

The results of the USWMP provided a land use-based LPRM that was used to calculate wet weather loads produced in the monitoring area, prioritize catchments for BMP placement, and evaluate the performance of existing and future BMPs. The Plan was used to inform the model, by providing site-specific land use pollutant concentration data. As described within the USWMP, the monitoring outfalls were selected based on their drainage areas consisting of a more or less homogenous land use category. The first year of wet weather urban runoff was initiated in Year 3.

During Year 3, four storms were monitored at a total of 6 sites representing different land use types. Stormwater run-off was analyzed from 8 to 10 storms, and the data was used to revise the EMCs of the model to reflect local runoff concentrations in the modeling results that were reported in the regional 303(d) Monitoring Program Results FY 2015-2016.

The CCRWQCB issued Technical Report Order 13267 on June 13, 2016, that required the submission of the following reports that document progress on key activities relating to completing spatially based stormwater volume and pollutant loading estimates by the due dates listed below:

Report #1: Catchment Delineation and Relevant Attributes that support catchment scale stormwater volume and pollutant loading analysis (Due Date: August 12, 2016).

Report #2: BMP Inventory for all Centralized and Decentralized BMPs within the City; Stormwater Volume and Pollutant Loading-Unmitigated Condition and Catchment Ranking-Unmitigated Condition for all catchments within the City (Due Date June 30, 2017).

Report #3: BMP Assessment for all BMPs using an effective approach for assessing structural BMP performance, estimate stormwater volume and pollutant load reduction based on the intended BMP function and current BMP condition based on the BMPs ability to function relative to intended design (Due Date: June 30, 2018; Revised Due Date: October 15, 2018); and

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4.0 SHORT- AND LONG-TERM PROGRAM EFFECTIVENESS

During Year 12, the COS continued to maintain its two short term goals: (1) Comply with the NPDES Phase II MS4 General Permit requirements and to fully implement the SOPs developed during this permit term to minimize the identified high- and medium-priority POCs from entering the Storm Drain System; and (2) Continue its education and outreach efforts and to collect and track program data that will be used to modify and improve the City's Storm Water Management Program.

Although the COS has struggled with public involvement and participation, the city continues to promote the Stormwater Management Program and conduct education and outreach during direct interactions at events or during site inspections/investigations, and will continue to engage the residents and business through direct mailers and through on-line volunteer and program feedback opportunities. As part of its education and outreach efforts, the COS continued implementing an alternative approach to engage the community through publication of stormwater related content on social media platforms such as Facebook. In addition, the COS also partnered with the CPPGA to announce an update to the Mobile Pet Groomers & Stylist Guide to BMPs on Facebook and with SBCAM to announce the update of both the Pet Owners Guide to BMPs and the Animal Care and Handling Facilities Guide to BMPs on Facebook and Instagram.

The COS maintains its long-term goal of the effectiveness assessment program to reduce pollutants from the MS4 to the MEP through the implementation of BMPs. By applying non-structural BMPs such as street sweeping and storm drain assessment, prioritization and maintenance activities, the COS has been very effective in reducing or eliminating the discharge of pollutants to the waters of the U.S. Through the emphasis of pollutant reduction and source control BMPs, the COS is committed in preventing pollutants from entering storm water run-off. The COS recognizes that this is a dynamic process and may require changes over time as the city continues to gain experience and as new science, and technologies become available.

APPENDIX A - Table 5. Nutrients Questions, Data Assessment Methods, and Data Collection Methods, by Program Element

Management Questions	Data Assessment Methods	Data Collection Methods
Education and Outreach [Outcome Level 2-3]		
<ul style="list-style-type: none"> Has the City developed education and outreach materials with information regarding proper use and disposal of fertilizers? Are education and outreach materials available at City designated facilities, City sponsored events or on the City website? Does the City have a targeted pet waste/livestock educational program? Does the County support education for landscape contractors to reduce fertilizer? Are education and outreach materials provided during Fats, Oil and Grease (FOG) and/or Industrial Wastewater Discharge (IWD) Inspections? 	<p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of education and outreach events participated in and estimated of number of education and outreach materials distributed at City designated facilities, City's sponsored event's Stormwater Display Booth or thru City website Number of education and outreach materials provided during FOG and/or IWD Inspections Number of target audience mailers to landscape contractors, residents along the river/creek with livestock; and/or homebrew beer, wine and distillery waste etc. 	<p>Internal Tracking by Stormwater Program</p> <ul style="list-style-type: none"> Brochure Distribution at City designated facilities, City sponsored events or thru City website City SWMP File Views/Hits (English and/or Spanish) Number of Visitors to the City's sponsored event's Stormwater Display Booth Number of target audience mailers to residents along the river/creek with livestock; landscape contractors; homebrew beer, wine and distillery waste <p>Review of External Data Sources</p> <ul style="list-style-type: none"> Brochure Distribution during FOG and/or IWD Program Inspection
Public Involvement and Participation [Outcome Level 2-3]		
<ul style="list-style-type: none"> Has the City developed opportunities for citizen participation at City's sponsored event's Stormwater Display Booth? Has the City developed opportunities for citizen participation on-line thru the City's Stormwater Webpage or Survey Monkey? 	<p>Qualitative Assessment</p> <ul style="list-style-type: none"> Confirmation of Stormwater Pollution Prevention Interested Parties Sign-Up List at City's sponsored event's Stormwater Display Booth <p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of Visitors and Stormwater Quiz's Completed via City's sponsored event's Stormwater Display Booth Number of on-line Storm Water Management Program Survey's completed and interested parties sign-up inquiry via the City's Stormwater Webpage or Survey Monkey 	<p>Interviews/Surveys</p> <p>Internal Tracking by Stormwater Program</p> <ul style="list-style-type: none"> Number of Visitors and Stormwater Quiz's Completed via City's sponsored event's Stormwater Display Booth Number of Stormwater Survey's Completed and Interested Parties Sign-up Inquiry via City Stormwater Website or Survey Monkey <p>Review of External Data Sources</p> <ul style="list-style-type: none"> Number of Stormwater Survey's Completed and Interested Parties Sign-up Inquiry via or Survey Monkey
Illicit Discharge Detection and Elimination [Outcome Level 4]		
<ul style="list-style-type: none"> Has the City developed IDDE procedures? Are FOG and IWD Program participants operating in a manner that prevents nutrients from leaving the site? Are green waste and pet waste collection programs in place? Does City have legal authority to address non-storm water discharges? 	<p>Qualitative Assessment</p> <ul style="list-style-type: none"> Confirmation of local waste hauler (green waste) and Christmas Treecycle Program Confirmation of City Mutt Mitt Stations Bi-weekly Maintenance Program Confirmation of on-going City Staff IDDE Training Confirmation of establish City Municipal Code and Certification of Legal Authority <p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of IDDE Investigations and/or Inspections and follow-up at facilities with deficiencies Number of FOG and/or IWD Inspection Reports and/or Violations 	<p>Internal Tracking by Stormwater Program</p> <ul style="list-style-type: none"> Stormwater Incident Report Form Mutt Mitt Station Bi-weekly Maintenance Site Investigations/Inspections City IDDE Site Investigations and/or Inspections with direct observation of an IDDE <p>Review of External Data Sources</p> <ul style="list-style-type: none"> FOG and/or IWD Inspection Reports and/or Violations Local Hauler Green Waste Website/Mailers
Pollution Prevention and Good Housekeeping [Outcome Level 2-4]		
<ul style="list-style-type: none"> Is City effectively implementing BMPs (e.g. Mutt Mitt Stations) that target nutrient reduction in waterways? Are FOG and/or IWD Program participants implementing a Pollutant Prevention and Good Housekeeping practices? Are FOG and/or IWD Program participants aware of Cities SWMP requirements? Are FOG and/or IWD Program participants aware of SWMP requirements for their business activity? Do the FOG and IWD Program participants believe they are in compliance with the City's SW Program? 	<p>Qualitative Assessment</p> <ul style="list-style-type: none"> Confirmation of on-going City Staff Training <p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of FOG and/or IWD Inspection Reports 	<p>Interviews/Surveying</p> <p>Review of External Data Sources</p> <ul style="list-style-type: none"> FOG and/or IWD Inspection Reports FOG and/or IWD Inspection Report Stormwater Questionnaires
Water Quality Monitoring [Outcome Level 5]		
<ul style="list-style-type: none"> Is the urban discharge a significant source of nutrients to receiving water? 	<ul style="list-style-type: none"> Comparing modeled data to established targets Use local data acquired through regional 303(d) monitoring program 	<ul style="list-style-type: none"> Monitoring and sampling results Pollutant load model results

APPENDIX B - Table 6. Sedimentation/Siltation (Total Suspended Solids) Questions, Data Assessment Methods, and Data Collection Methods, by Program Element

Management Questions	Data Assessment Methods	Data Collection Methods
Education and Outreach [Outcome Level 2-3]		
<ul style="list-style-type: none"> Are City Grading Inspectors trained to review and inspect erosion and sediment control measures? Are there educational opportunities at county sponsored events? Are construction contractors informed of proper erosion and sediment control measures? 	<p>Qualitative Assessment</p> <ul style="list-style-type: none"> Confirmation of on-going City Grading Staff Training Descriptive Statistics Number of new City Grading Staff Trained Number of outreach events participated in and outreach materials distributed to construction contractors Number of connections to construction contractors through grading permits and inspections 	<p>Internal tracking by stormwater program</p> <ul style="list-style-type: none"> Internal Tracking by City Engineering Department and/or Division Training Number of Outreach Event Participation and Brochure Distribution via email Number of connections with Construction Contractors through grading permits and inspections
Illicit Discharge Detection and Elimination [Outcome Level 4]		
<ul style="list-style-type: none"> Does City implement field investigation program for complaints and discoveries of illicit discharges? Does City have legal authority to address non-storm water discharges? 	<p>Qualitative Assessment</p> <ul style="list-style-type: none"> Confirmation that the City has IDDE Procedures (Spill Response Plan) Confirmation of on-going City Staff IDDE Training Confirmations of establish City Municipal Code and Certification of Legal Authority <p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of IDDE Investigations and/or Inspections and follow-up at facilities with deficiencies 	<p>Internal tracking by stormwater program</p> <ul style="list-style-type: none"> Stormwater Incident Report Form Site Investigations/Inspections City IDDE Site Investigations and/or Inspections with direct observation of an IDDE
Construction Site Stormwater Runoff Control [Outcome Level 2-3]		
<ul style="list-style-type: none"> Are construction sites being managed in compliance with City Municipal Code? Are Stormwater Pollution Prevention Plans (SWPPP), Erosion and Sediment Control Plans (E&SCP) and/or Stormwater Control Plans (SWCP) reviewed prior to permit issuance? Are any sites a potential source of significant sediment discharge? 	<p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of Construction Sites issued Grading Permits Number of SWPPP, E&SCP and SWCP reviewed prior to issuance of permit Number of Construction Sites designated as a Water Quality Threat Number Construction Site Inspections Number of Verbal Warnings, Stop Work Order, Letter to Correct, Written Notice of Violation, Code Violations, Construction Bond, Penalties, Enforcement Actions (Administrative, Civil or Criminal Actions) 	<p>Internal tracking by stormwater program</p> <ul style="list-style-type: none"> SWPPP, E&SCP and SWCP Construction Site Inspections Construction Sites with Water Quality Threat Verbal Warnings, Stop Work Order, Letter to Correct, Written Notice of Violation, Code Violations, Construction Bond, Penalties, Enforcement Actions (Administrative, Civil or Criminal Actions)
Post-Construction Site Stormwater Runoff Control [Outcome Level 2-3]		
<ul style="list-style-type: none"> Is development being approved in compliance with Post-Construction Requirements (PCRs) and Low Impact Development (LID) Measures to promote runoff volume and rates? 	<p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of projects reviewed in compliance with PCRs and LID measures 	<p>Internal tracking by stormwater program</p> <ul style="list-style-type: none"> PCR and LID Projects
Pollution Prevention and Good Housekeeping [Outcome Level 2-3]		
<ul style="list-style-type: none"> Are City facilities managed to reduce erosion and promote sediment retention? 	<p>Descriptive Statistics</p> <ul style="list-style-type: none"> Number of Pollution Prevention BMPs implemented at City owned and/or operated facilities 	<p>Internal tracking by stormwater program</p> <ul style="list-style-type: none"> Pollution Prevention and Good Housekeeping BMPs implemented at City owned and/or operated facilities
Water Quality Monitoring [Outcome Level 5]		
<ul style="list-style-type: none"> Is the urban discharge a significant source of sediments to receiving water? 	<ul style="list-style-type: none"> Compare modeled data to established targets Use local data acquired through regional 303(d) monitoring program 	<ul style="list-style-type: none"> Monitoring and sampling results Pollutant load model results



California Stormwater Quality Association®

Dedicated to the Advancement of Stormwater Quality Management, Science and Regulation

Our Water Our World 2025 Annual Report

Prepared by the California Stormwater Quality Association

August 2025

Acknowledgements

OWOW is funded by CASQA, the organizations implementing the program (see Table 1 in Section 2 of this report), and is sponsored by the Bay Area Clean Water Agencies (BACWA).

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Table of Contents

Preface 2

Section 1. Introduction..... 5

Section 2. Program Elements 5

 2.1 Integrated Pest Management (IPM) Advocates 5

 2.2 Educational Materials 5

 2.3 Trade Shows 6

Section 3: Partnerships 6

Section 4. Annual Program Implementation 10

 4.1 IPM Advocates 10

 4.2 Educational Outreach Materials 10

 4.3 Vendor Outreach 12

 4.4 Training and Outreach for Retailers and Consumers 13

 4.5 Retailer e-Newsletter 13

Section 5. Program Development 14

 5.1 Updates in Progress 14

 5.2 Future Considerations 14

Appendix A: Example Outreach Materials

Appendix B: The Home Depot Support Letter

Section 1. Introduction

Our Water, Our World (OWOW) is an award-winning partnership between municipal agencies, garden centers, and hardware stores that sell pest control products. Initiated in 1998, the program focuses on less-toxic, eco-friendly products and techniques, as many common pesticides harm sensitive species and ecosystems when they reach local creeks, bays, and the ocean.

OWOW started as a pilot project in 1998, in just a handful of stores, initiated by the Central Contra Costa County Sanitation District, the City of Palo Alto Regional Water Quality Control Plant, and the Marin Countywide Stormwater Pollution Prevention Program. The program quickly grew and was administered by the former Bay Area Stormwater Management Agencies Association from 1999 to 2021. During that time, over 130 agencies in 16 counties implemented the program, working in approximately 239 stores. Starting in January 2022, the program was transferred to the California Stormwater Quality Association (CASQA), to provide statewide access to this important and successful outreach program.

From a stormwater management perspective, OWOW is an excellent opportunity and cost-efficient way to educate the public and reduce toxicity in waterways from current use pesticides. Several municipalities utilize OWOW to meet permit requirements, including the San Francisco Bay Area Municipal Regional Permit,² the Central Valley Region-wide MS4 Permit,³ and the Phase II – Small MS4 General Permit.⁴

Section 2. Program Elements

The OWOW program consists of several elements that are integral to its effectiveness.

2.1 INTEGRATED PEST MANAGEMENT (IPM) ADVOCATES

IPM Advocates are individuals who have been trained on how to engage with retailers and the public. They provide local implementation of the program on behalf of participating agencies. Local implementation generally consists of coordinating with participating retailers to offer in-store displays, shelf tags, in-store presentations and training for store employees, and advice to customers about pest management methods that are healthier for people and the environment.

2.2 EDUCATIONAL MATERIALS

In the store, consumers are directed to less-toxic products and techniques through:

- Fact sheet displays near pest products to educate the public on various pest management topics.
- Shelf tags to guide customers to less-toxic products.
- Display posters with QR codes linking directly to the [OWOW website](#) and fact sheets.

² Municipal Regional Stormwater NPDES Permit, California Regional Water Quality Control Board – San Francisco Bay Region, 2022. Order R2-2022-0018, NPDES NO. CAS612008, as amended, CA.

³ NPDES Permit and Waste Discharge Requirements General Permit for Discharges from MS4s, California Regional Water Quality Control Board – Central Valley, 2016. Order R5-2016-0040, NPDES NO. CAS0085324, CA

⁴ NPDES Permit and Waste Discharge Requirements for Storm Water Discharges from Small MS4s, California State Water Resources Control Board, 2013. Water Quality Order 2013-0001-DWQ, NPDES General Permit No. CAS000004, as amended, CA.

On the OWOW website, consumers can view the following:

- All 18 fact sheets.
- Stores participating in the OWOW program.
- A database of less-toxic products and their active ingredients.

2.3 TRADE SHOWS

OWOW representatives provide exhibits annually at trade shows to educate store buyers on less-toxic products. Participation in these events helps ensure stores carry less-toxic products.

Section 3: Partnerships

The program is administered by CASQA, and implemented by local cities and counties. IPM Advocates and University of California Statewide IPM Program (UC IPM) serve as collaborative partners.

CASQA manages and provides the central services necessary to operate and maintain the OWOW program, including the development of education materials (e.g., less-toxic product lists, label files, and active ingredient lists), creation and updates of outreach materials, operation and updates to the OWOW website, vendor (i.e., retail partners and pesticide distributors) outreach, preparation of an annual report, fulfillment of outreach materials orders, and program management and development.

Municipal agencies subscribe to OWOW through CASQA and implement the OWOW program in their local retail stores by contracting with IPM Advocates, using municipal staff, or other contractors. Implementation may occur by a single agency at stores within their jurisdiction or organized at a regional scale, where agencies combine resources to implement the OWOW program at select stores used by multiple jurisdictions. In addition, municipal agencies conduct outreach to inform residents about the OWOW program. Table 1 provides the list of agencies implementing OWOW as of June 30, 2025. Bay Area Clean Water Agencies (BACWA) continues to support the OWOW program as a sponsor.

IPM Advocates are trained individuals who support the local implementation of the OWOW program. They provide retail stores, nurseries, hardware stores, and garden centers with direct-to-consumer information, IPM tools, products, and practices. IPM Advocates are the link between the municipalities and the retailers where they reach consumers. The active IPM Advocates include Suzanne Bontempo, Julie Barbour, and Maris Sidenstacker.

UC IPM provides research and expertise on IPM practices promoted throughout the state and maintains a website of less-toxic IPM practices for nearly 1,000 home, garden, landscape, and turf pests. Karey Windbiel-Rojas, Associate Director for Urban and Community IPM, UC IPM has been involved with the IPM Advocate program since its inception and continues to assist with advocate training, technical resources on pest management practices, and as a liaison with the University of California resources.

Table 1. Agencies Implementing OWOW

Bay Area and Northern California

Alameda County	City of Martinez
Alameda County Flood Control & Water Conservation District	City of Menlo Park
Alameda Countywide Clean Water Program	City of Mill Valley
City of Alameda	City of Millbrae
City of Albany	City of Milpitas
City of American Canyon	City of Monte Sereno
City of Antioch	City of Mountain View
City of Belmont	City of Napa
City of Belvedere	City of Newark
City of Benicia	City of Novato
City of Berkeley	City of Oakland
City of Brentwood	City of Oakley
City of Brisbane	City of Orinda
City of Burlingame	City of Pacifica
City of Calistoga	City of Palo Alto
City of Campbell	City of Petaluma
City of Clayton	City of Piedmont
City of Cloverdale	City of Pinole
City of Concord	City of Pittsburg
City of Cotati	City of Pleasant Hill
City of Cupertino	City of Pleasanton
City of Daly City	City of Redwood City
City of Dublin	City of Richmond
City of East Palo Alto	City of San Bruno
City of El Cerrito	City of San Carlos
City of Emeryville	City of San José
City of Fairfield	City of San Leandro
City of Foster City	City of San Mateo
City of Fremont	City of San Pablo
City of Half Moon Bay	City of San Rafael
City of Hayward	City of San Ramon
City of Healdsburg	City of Santa Clara
City of Hercules	City of Santa Rosa
City of Lafayette	City of Saratoga
City of Larkspur	City of Sausalito
City of Livermore	City of Sebastopol
City of Los Altos	City of South San Francisco

Bay Area and Northern California (Continued)

City of St. Helena
City of Suisun City
City of Sunnyvale
City of Ukiah
City of Union City
City of Vallejo
City of Walnut Creek
Contra Costa Clean Water Program
Contra Costa County
Contra Costa County Flood Control and Water Conservation District
Fairfield-Suisun Sewer District
Marin County
Marin County Flood Control and Water Conservation District
Marin Countywide Stormwater Pollution Prevention Program
Mendocino County
Napa County
Napa County Flood Control and Water Conservation District
Napa Countywide Stormwater Pollution Prevention Program
Russian River Watershed Association
San Mateo County
San Mateo Countywide Water Pollution Prevention Program
Santa Clara County
Santa Clara Valley Urban Runoff Pollution Prevention Program
Santa Clara Valley Water District (Valley Water)
Solano Stormwater Alliance
Sonoma County
Sonoma County Water Agency
The San Mateo County Flood and Sea Level Rise Resiliency District
Town of Atherton
Town of Colma
Town of Corte Madera
Town of Danville
Town of Fairfax
Town of Hillsborough
Town of Los Altos Hills

Town of Los Gatos
Town of Moraga
Town of Portola Valley
Town of Ross
Town of San Anselmo
Town of Tiburon
Town of Windsor
Town of Woodside
Town of Yountville
Vallejo Flood and Wastewater District
Zone 7 Water Agency

Central Valley, Tahoe, and Inland Areas

Butte County
City of Ceres
City of Citrus Heights
City of Davis
City of Dixon
City of Elk Grove
City of Escalon
City of Folsom
City of Galt
City of Lathrop
City of Lincoln
City of Lodi
City of Manteca
City of Merced
City of Modesto
City of Newman
City of Patterson
City of Rancho Cordova
City of Ripon
City of Riverbank
City of Rocklin
City of Roseville
City of Sacramento
City of Stockton
City of Tracy
City of Turlock
City of Woodland

**Central Valley, Tahoe, and Inland
Areas (Continued)**

City of Yuba City
El Dorado County
Fresno Metropolitan Flood Control District
Mountain House Community Service District
Sacramento County
Sacramento Stormwater Quality Partnership
San Joaquin County
Stanislaus County

Central Coast

City Buellton
City of Buellton
City of Carmel-by-the-Sea
City of Carpinteria
City of Del Rey Oaks
City of Goleta
City of Guadalupe
City of Lompoc
City of Marina
City of Monterey
City of Pacific Grove
City of Sand City
City of Santa Barbara
City of Santa Maria
City of Seaside
City of Solvang
Monterey Regional Storm Water Management
Program
Monterey County
Santa Barbara County

Southern California

City of Santa Clarita

Sponsor

Bay Area Clean Water Agencies

Section 4. Annual Program Implementation

This section describes the OWOW outreach services conducted between July 2024 and June 2025.

4.1 IPM ADVOCATES

Several municipalities contracted with IPM Advocates to implement the OWOW program at local stores. IPM Advocates shared their knowledge with store staff and held educational events for customers.

During the 2024-2025 reporting year, demand from municipalities for IPM Advocate services exceeded availability capacity, limiting coverage of some retail locations. In response, CASQA has initiated a program planning initiative to improve support and guide future growth (see Section 5. Program Development for more information).

In-Store Coordination

An in-store coordination meeting was held in August 2024 to build on the progress made in 2023-2024 to begin sharing and memorializing in-store best practices, such as contacting prospective retail stores, onboarding retail stores, and setting up shelf displays. All OWOW Subscribers were invited to this in-store coordination meeting, including contractors that implement the in-store component of the OWOW program, to learn best practices for developing and maintaining store partnerships.

4.2 EDUCATIONAL OUTREACH MATERIALS

Educational materials include fact sheets on specific pests, gardening, and pesticide applications, shelf tags to identify eco-friendly products in stores, and the OWOW website that makes the materials accessible to the public. Examples of OWOW outreach materials are provided in Appendix A and all are accessible on the [OWOW website](#).

Fact Sheets

The OWOW program has 18 fact sheets. Between July 2024 and June 2025, the *Cockroaches*, *Aphids*, *Mosquitos*, and *Spiders* fact sheets were revised and translated into Spanish. Currently, 11 of the 18 fact sheets are available in Spanish, and efforts are underway to translate the entire fact sheet series. Additionally, QR codes were added to the revised and translated factsheets to help consumers easily navigate to the OWOW website.

In January 2022, posters with trackable QR codes were developed to encourage consumers to digitally access the OWOW fact sheets in pesticide aisles. These trackable QR codes record which fact sheets consumers view in retail stores. Based on the tracking data collected between July 2024 and June 2025, the three most viewed fact sheets were *Ants*, *Aphids*, and *Rats and Mice*. Table 2 presents a summary of QR code scans for each fact sheet. Additionally, Figure 2: *OWOW by the Numbers* provides an overview of engagement with our educational outreach materials, including total QR code scans, fact sheet views, and website activity.

Website

The [OWOW website](#) provides public access to fact sheets, the less-toxic product database, and the Store Finder, an interactive map allowing users to search for participating stores. Updates to the [Store Finder](#) are made quarterly. During the 2024 – 2025 reporting year, three stores were added to the OWOW program and made available on the Store Finder. Website visitors increased 9%, from 17,467 unique visitors between July 2023 and June 2024 to 19,076 unique visitors between July 2024 and June 2025. Figure 2 shows the monthly website visitor history since May 2021.

Less-Toxic Pest Product Database

In August 2024, enhancements were made to both the less-toxic product lists and the OWOW website to develop an integrated less-toxic product database hosted on the [OWOW website](#). The database enhances accessibility for both IPM Advocates, who rely on the database to identify less-toxic products, and the general public, who can now easily search for products using their phones.

The store-specific product lists will continue to be updated as needed to support the printing of shelf tag labels. Each year, new products are reviewed, and updates are made in consultation with subject matter experts to ensure the information remains current and accurate.

Table 2. QR Code Scans by OWOW Product from July 2024 to June 2025

OWOW Product	QR Code Scans	OWOW Product	QR Code Scans
Ants	196	Bed Bugs	70
Rats & Mice	179	10 Most Wanted	64
Aphids	162	Healthy Gardens	62
Moles, Voles, & Gophers	161	Weeds	53
Cockroaches	145	Yellowjackets	51
OWOW Website	130	Spanish Fact Sheets	29
Mosquitoes	115	Lawns	27
Fleas	112	Hiring a Pest Company	25
Spiders	98	Pesticide Use & Disposal	18
Snails & Slugs	92	Pesticides & Water Quality	16
Roses	74		
Total QR Code Scans		1,879	

Figure 1. OWOW by the Numbers

OWOW by the Numbers

Fact Sheets



18 fact sheets
11 fact sheets available in Spanish
4 revised and translated in 2024-2025

Website Activity



19,076 visitors in 2024-2025
9% increase over reporting year 2023-2024
3 new stores added to the store finder



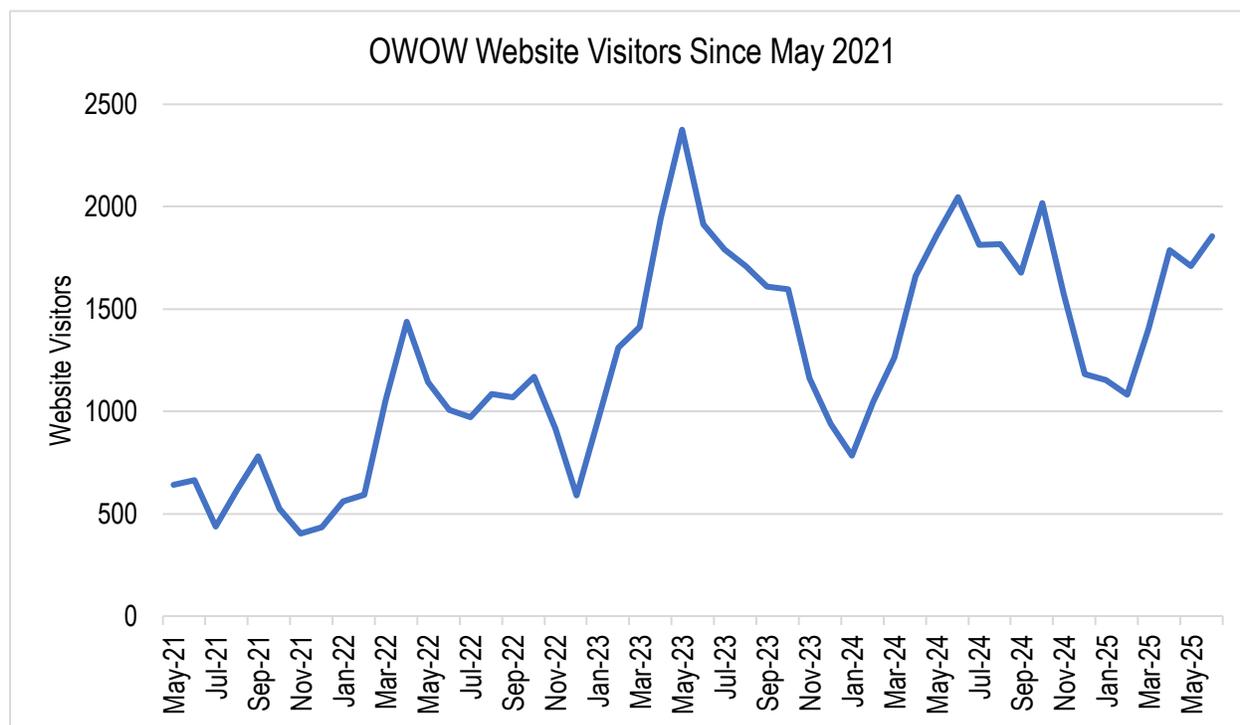
QR Code Usage



1879 scans in 2024-2025
Top 3 Most Popular Factsheets (scans)

- Ants – 196
- Rats & Mice – 179
- Aphids – 162

Figure 2. OWOW Website Visitors Since May 2021



4.3 VENDOR OUTREACH

Education of vendors and retailers on less-toxic products is a critical step to ensure stores carry less-toxic products.

Retail Partners

The OWOW program added three new retail partners during the 2024–2025 reporting year. However, due to store closures and a reconciliation of the list of participating stores, the total number of active stores decreased from 288 to 281. The Home Depot Corporate continues to be a model retail partner and OWOW strives to replicate this partnership with other retailers and vendors. In January 2025, The Home Depot Corporate delivered an internal memorandum to California store managers to facilitate OWOW collaboration in The Home Depot stores (see Appendix B). In addition to The Home Depot, OWOW retail partners include Outdoor Supply Hardware, Ace Hardware, and independent hardware and garden centers throughout California.

Trade Show Booths

Attending trade shows provides an opportunity to meet pesticide buyers and vendors, learn about the new products coming to the California marketplace, answer questions, and provide mentorship to the retail pesticide buyers and vendors. In 2024 – 2025, OWOW representatives attended the following trade show event:

- BFG Marketplace Expo, Reno, NV, October 2024 – Retailer Show

4.4 TRAINING AND OUTREACH FOR RETAILERS AND CONSUMERS

IPM Advocates and local municipal agency staff/consultants conduct OWOW outreach activities to educate pesticide retailers and consumers at the local level. Local OWOW implementation activities vary between agencies. Many agencies receive tailored OWOW reports from their contracted IPM Advocate with a summary of their local OWOW data (for example, the number of trainings, the number of staff trained, and/or the number of fact sheets distributed).

IPM Advocates and local municipal agency staff/consultants provided OWOW services to approximately 281 participating retailers throughout California. Table 3 provides a summary of outreach activities between July 2024 and June 2025, which were funded by local municipalities' stormwater programs

Table 3. Summary of Outreach Activities

Audience	OWOW Outreach Activity
Retailers	281 retailers participated in the OWOW program
	48 trainings conducted
	266 retail staff trained
Consumers	30 in-person classes, presentations, or workshops (1,025 persons in attendance)
	130 public outreach events
	6,296 person interactions

IPM Advocates and local municipal agency staff/consultants conducted 48 trainings and trained 266 retail store staff. The training topics include IPM and strategies for managing pest problems with less-toxic and eco-friendly products. Additionally, of the 136 public outreach events to consumers, 30 were classified as in-person classes, presentations, or workshops, reaching a combined total of 1,025 attendees. The remaining consumer outreach, most often in the form of tabling at public outreach events, included 106 reported events, with 6,296 person interactions.

4.5 RETAILER E-NEWSLETTER

After receiving training, retail store associates can opt into the OWOW Retailer e-Newsletter. This biannual newsletter is emailed at the beginning of spring and fall and contains information on seasonal pest problems and eco-management solutions. These newsletters help store staff, including managers, stay current on pest problems that might be affecting their customers. Many of the managers print the OWOW newsletter and post it for all staff to review. The newsletter is delivered to 301 retail associates.

Section 5. Program Development

To support a growing demand for OWOW outreach material and IPM Advocates, efforts are underway to advance the OWOW program.

5.1 UPDATES IN PROGRESS

Fact Sheets

In 2025, the *Moles, Voles, and Gophers*, *Finding a Pest Control Company*, and *Snails and Slugs* fact sheets are being reviewed by subject matter experts and a public communications specialist. Additionally, these fact sheets will be translated into Spanish and made available on the OWOW website. Once these fact sheet updates are complete, 14 of the 18 OWOW fact sheets will have Spanish translations. While not considered part of the fact sheet series, the 10 Most Wanted brochure will also be updated and translated into Spanish.

Program Planning

To support statewide scalability and long-term sustainability, the OWOW program is currently undergoing a structured planning process. This effort includes a Subscriber Survey and market research to inform the development of a comprehensive Program Plan that defines the program's goals, strategies, and implementation tactics. The Program Plan will also outline priority actions to guide execution. This program planning initiative is expected to be completed in early 2026.

The primary objective of the Program Plan is to promote consistency and uniformity in OWOW program implementation while increasing flexibility to support diverse implementation across California.

5.2 FUTURE CONSIDERATIONS

IPM Advocate Training Program

In 2022, CASQA began developing an outline for the IPM Advocate Training Program. In September 2023, CASQA met with Department of Pesticide Regulation (DPR) representatives to discuss collaboration and funding opportunities for the OWOW program. The development of an IPM Advocate Training Program will require outside funding support and collaboration with partners such as UC-IPM. Work on advancing the IPM Advocate Training Program is on hold pending the outcomes of the Program Plan, which is currently in development.

Appendix A: Example Outreach Materials



Figure A1. Trackable QR Code Poster in Store Aisle

EFFECTIVE ECO-FRIENDLY PEST CONTROL • LESS-TOXIC PRODUCTS



CONTROLLING ANTS

IN YOUR HOME

ANT CONTROL IS EASY AS 1-2-3!		
1. Seal the source	2. Bait them	3. Monitor
<ul style="list-style-type: none"> • Store food in sealed containers • Caulk and weatherstrip cracks and gaps 	<ul style="list-style-type: none"> • Use bait stations and sticky traps, which are more effective than sprays • Choose a bait station with borax (tetraborate decahydrate) or hydramethylnon 	<ul style="list-style-type: none"> • After ants are gone, watch for new ant activity • To avoid a new ant invasion, spread desiccating dust in areas where you see ants • Avoid sprays, which only temporarily get rid of ants

Argentine ants are frequent invaders in California homes. Their small size (1/8 inch) allows them to enter the home through cracks and crevices. They typically arrive a few at a time at first (the scouts), and then in long lines, following scent trails to a food source.

A QUICK FIX FOR AN ANT EMERGENCY

1. Find what ants are after (usually food or water) and where they are entering the room (usually through a crack in the wall).

2. Spray lines of ants with soapy water and wipe up. Clean up any food or spills.
3. Block entry points temporarily with a smear of petroleum jelly or a piece of tape.
4. If you can't find an entry point, place a bait station in an out-of-the-way spot on the line the ants have been following. Remember to remove the bait station when the line of ants has disappeared so you don't attract more ants into the house. (See *Tips for Using Ant Baits*.)

TIPS FOR USING ANT BAITS

Bait stations are much safer for humans, pets, and the environment than sprays. Ants carry small quantities of bait back to the nest to share, reducing the local ant population.

- Use baits with active ingredients borax/tetraborate decahydrate. Bait stations with hydramethylnon should be enclosed.
- Argentine ants change their food preferences frequently. If one bait is not working, try another type. Wait at least a day to see if ants take the bait.

- Place bait stations out of reach from children and pets. Do not spray insecticide around the bait; it will repel the ants.
- Baits may take several weeks to kill the ants. At first you may see more ants coming to the bait, but after a few days to a week you should see fewer ants.
- When ants are gone, remove the bait so you don't attract more ants. Return enclosed bait stations to the original box to save and use again. Put the box inside a sealed plastic bag, and store away from children and pets.



Choose eco-friendly products for your home and garden. Look for this symbol before you buy.

Figure A2: Ants Fact Sheet (Front)

Appendix B: The Home Depot Support Letter



Interoffice MEMORANDUM

DATE: January 6, 2025
TO: California Store Managers, D28 ASMs and Department Heads
FROM: Candace Rodriguez
CC: Steve Knott, Scott Jacobson
SUBJECT: Our Water Our World Training

OUR WATER, OUR WORLD is a coalition of organizations whose purpose is to encourage consumers to use environmentally-preferred pest controls in and around their homes. They specialize in retail friendly education. Their goal is not to alienate consumers by telling them what they can't use, but instead their information focuses on environmentally-preferred pest management and ties into products currently on our shelves.

An Our Water, Our World (OWOW) representative will be in your store to help train employees and label environmentally-preferred products with shelf-talkers. The representative may also schedule a tabling event to educate consumers. This ties in well with "How-to" weekend events. The representative will display a sampling of excellent environmentally-preferred and Eco Actions products off our shelves. They will provide free informational literature and a wealth of knowledge and experience. Please enjoy this additional help in your store.

An OWOW representative will contact you before the training or demonstration date to arrange details. Please contact Joseph Draper of the California Stormwater Quality Association at (559) 492-7507 if you have questions.

Thank you,

A handwritten signature in cursive script that reads "Candace N. Rodriguez".

from the desk of.....
Candace Rodriguez
Senior Director – Sustainability
THE HOME DEPOT USA, INC.
2455 Paces Ferry Road
Atlanta, GA 30339
(770) 384-3544

INTERNAL USE

Report Summary Text File - Auto-generated by SMARTS on 10/14/2025 10:30:58

Name of Report: Phase II Small MS4 Annual Report - Traditionals 2024 - 2025 Annual

Certifier Name: Rose Hess

Certifier Title: Director of Public Works

Certifier Password Hash:

e982cc01577a11efbed3d562735751f2716361f7dd2eb62003fb253e491b7012

Certifier User Account ID: 626600

Certification Computer IP: 198.143.33.15

Certification Executed On:

WARNING - Unable to Retrieve Certifier Details or Confirmation Number

2024-2025

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2024 - 06/30/2025

WDID No: 3 42M2000150

Permittee Information

City of Buellton

Gilbert Wolfe

Scott@cityofbuellton.com

PO Box 1819

Buellton

CA

93427

Phase II Small MS4 Annual - Report - 2024-2025
Questions & Answers

Q No.	Text	DropDown Answer	CheckBoxAnswer	DescriptiveAnswer	Date Answer	Number Answer
1	Did the Permittee upload the Central Coast Post-Construction Stormwater Requirements annual reporting form and all other documents required in the form? Access form here. If the form does not open, right click on the hyperlink and chose the option, 'Save Target As'. To get full utilization of the form, the form must be viewed and completed using Adobe software. Adobe Reader can be downloaded for free.	Yes				

Phase II Small MS4 Annual - Report - 2024-2025
CERTIFICATION

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

Name: Rose Hess	Title: Director of Public Works	Date: 10/14/2025
------------------------	----------------------------------------	-------------------------

**Phase II Small MS4 Annual - Report - 2024-2025
ATTACHMENTS**

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
2024-2025 PCR AR Form - Buellton		2025-10-09 12:15:57.0	Supporting Documentation	dc1eed99a38f9fb4ff8f4af130c8f3f54688c8a7d44ca264c7ff31b44888f7	null/null
2024-2025 PCR AR Long-Term O&M - Buellton		2025-10-09 12:27:06.0	Supporting Documentation	8f6fec984a10787e71f123c582d7f470bb671e796177a1894196e6df1274b3	null/null
2024-2025 PCRs AR Form-Solvang	2024-2025 PCRs AR Form-Solvang	2025-10-13 18:10:38.0	Supporting Documentation	83fb4a69cc246cfb747995c296d9d8c327713175aeecff57b0e0e9d1f8f0f8	1/1
PCRs Annual Report [2024-2025]-Long-Term Operation and Maintenance-Solvang	PCRs Annual Report [2024-2025]-Long-Term Operation and Maintenance-Solvang	2025-10-13 18:10:42.0	Supporting Documentation	437352ac11a257944ea21df3af293aabb1b2fa295e1e3e80596f270899a	1/1
PCRs Annual Report [2024-2025]-Performance Req No1 Implementation	PCRs Annual Report [2024-2025]-Performance Req No1 Implementation	2025-10-13 18:10:42.0	Supporting Documentation	4e93e530bbf169812949139aab3d752fef41f9c82d581fbc4bfb6c9275a35c	1/1

Central Coast Post-Construction Stormwater Management Requirements (PCRs)

Resolution No. R3-2013-0032

Annual Reporting Form

August 2023 Version

Due Date: By October 15 annually, Permittees must submit this reporting form.

Instructions: Complete form electronically. Answer questions and supply requested information for the Reporting Period only. Upload completed form to Storm Water Multiple Application and Report Tracking System (SMARTS) and name the file, "*PCRs Annual Report [insert reporting period]*". Also, upload requested attachments to SMARTS using specified nomenclature.

SECTION I: GENERAL PERMITTEE INFORMATION

WDID# and Permittee Name

County:

SECTION II: REPORTING PERIOD

Reporting Period:

Through

SECTION III: COMPLETED PROJECTS

How many projects, that received occupancy completion documentation (e.g., Certificate of Occupancy) during the Reporting Period, created and/or replaced \geq 2,500 square feet of impervious surface?

SECTION III: CONTINUED ...

Project categories based on created and/or replaced impervious surface area		Number of Projects in each category that received occupancy completion documentation (e.g., Certificate of Occupancy) during the Reporting Period and had an approval per PCRs Provision B.1.c
Lower Bound	Upper Bound	
≥ 2,500 square feet	<5,000 square feet Net Impervious Area (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	
≥5,000 square feet Net Impervious Area (all projects except single-family homes) and ≥15,000 square feet Net Impervious Area (only single-family homes)	<15,000 square feet (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	
≥15,000 square feet (all projects except single-family homes) and ≥15,000 square feet Net Impervious Area (only single-family homes)	<22,500 square feet	
≥22,500 square feet	N/A	
Total		

SECTION IV: PROJECTS SUBJECT TO POST-CONSTRUCTION REQUIREMENTS

Performance Requirements*	Number of Projects subject to Performance Requirements that received completion documentation during the Reporting Period	Number of Projects with structural Water Quality Treatment, Runoff Retention, and/or Peak Management controls	Number of Projects where field verification of Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls was completed	Number of Projects where field verification confirmed <u>ALL</u> Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls were implemented in accordance with PCRs
Only No. 1		N/A		
Only Nos. 1 and 2				
Only Nos. 1, 2, and 3				
Only Nos. 1, 2, 3, and 4				
Total				

* Only include projects once in table. For example, if a project triggers all four performance requirements, only address that project in the, "Only Nos. 1, 2, 3, and 4" row. Do not also count the project in the cells for the above three rows.

SECTION V: SPECIAL CIRCUMSTANCES AND ALTERNATIVE COMPLIANCE

Note: If the Permittee did not grant any Special Circumstances and/or Alternative Compliance for Projects that received completion documentation during the Reporting Period, skip Section V.

To add another Project, click 'Add Row'

Add Row

Delete Row

Names of Projects that received completion documentation during the Reporting Period and the Permittee granted Special Circumstances and/or Alternative Compliance	Alternative Compliance type (Select all that apply)									If technical infeasibility is rationale for Alternative Compliance, does Project's Stormwater Control Plan adequately demonstrate basis for infeasibility?
	Watershed or Regional Plan	Urban Sustainability Area	Highly Altered Channel Special Circumstance	Intermediate Flow Control Facility Special Circumstance	Historic Lake or Wetland Special Circumstance	Technical Infeasibility Performance Requirement No. 2	Technical Infeasibility Performance Requirement No. 3	Technical Infeasibility Performance Requirement No. 4		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>

SECTION VI: MITIGATION PROJECTS CONSTRUCTED FOR ALTERNATIVE COMPLIANCE

Were there any mitigation projects constructed for Alternative Compliance during the Reporting Period? Yes No
If yes, did the Permittee upload to SMARTS the below information? Yes No

- A summary description of mitigation projects constructed during the Reporting Period comparing the expected aggregate results of Alternative Compliance projects to the results that would otherwise have been achieved by meeting the numeric Performance Requirements on-site. The summary should quantitatively compare results. For example, if the Alternative Compliance project is mitigating for a project that could not fully meet Performance Requirement No. 3 onsite, then the summary should quantify the following: 1) onsite retention volume required by Performance Requirement No. 3, 2) volume of runoff actually retained on site, and 3) volume of runoff retained at the Alternative Compliance project site.
- For public offsite mitigation projects, a summation of total offsite mitigation funds raised to date and a description (including location, general design concept, volume of water expected to be retained, and total estimated budget) of all pending public offsite mitigation projects

SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Mitigation Projects"*

SECTION VII: LONG-TERM OPERATION AND MAINTENANCE

Did the Permittee upload to SMARTS a copy (e.g., screenshot or spreadsheet) of the structural Stormwater Yes No Control Measure Operation and Maintenance database that shows all information regarding each structural Stormwater Control Measure installed per these Post-Construction Stormwater Management Requirements(see PCRs Provision E.3)?

SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Long-Term Operation and Maintenance"*

SECTION VIII: ADDITIONAL UPLOADS

Did the Permittee upload to SMARTS information to demonstrate Performance Requirement No. 1 Yes No was applied to all applicable projects during the Reporting Period (including sample checklist)?

SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Performance Req No1 Implementation"*

Central Coast Post-Construction Stormwater Management Requirements (PCRs)

Resolution No. R3-2013-0032

Annual Reporting Form

August 2023 Version

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Lower Bound	Upper Bound	
≥ 2,500 square feet	<5,000 square feet Net Impervious Area (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	1
≥5,000 square feet Net Impervious Area (all projects except single-family homes) and ≥15,000 square feet Net Impervious Area (only single-family homes)	<15,000 square feet (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	1
≥15,000 square feet (all projects except single-family homes) and ≥15,000 square feet Net Impervious Area (only single-family homes)	<22,500 square feet	0
≥22,500 square feet	N/A	0
Total		2

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Performance Requirements*	Number of Projects subject to Performance Requirements that received completion documentation during the Reporting Period	Number of Projects with structural Water Quality Treatment, Runoff Retention, and/or Peak Management controls	Number of Projects where field verification of Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls was completed	Number of Projects where field verification confirmed <u>ALL</u> Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls were implemented in accordance with PCRs
Only No. 1	1	N/A	1	1
Only Nos. 1 and 2	1	1	1	1
Only Nos. 1, 2, and 3				0
Only Nos. 1, 2, 3, and 4				0
Total	2	1	2	2

* Only include projects once in table. For example, if a project triggers all four performance requirements, only address that project in the, "Only Nos. 1, 2, 3, and 4" row. Do not also count the project in the cells for the above three rows.

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	Watershed or Regional Plan	Urban Sustainability Area	Highly Altered Channel Special Circumstance	Intermediate Flow Control Facility Special Circumstance	Historic Lake or Wetland Special Circumstance	Technical Infeasibility Performance Requirement No. 2	Technical Infeasibility Performance Requirement No. 3	Technical Infeasibility Performance Requirement No. 4			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION VI: MITIGATION PROJECTS CONSTRUCTED FOR ALTERNATIVE COMPLIANCE

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Yes No

- A summary description of mitigation projects constructed during the Reporting Period comparing the expected aggregate results of Alternative Compliance projects to the results that would otherwise have been achieved by meeting the numeric Performance Requirements on-site. The summary should quantitatively compare results. For example, if the Alternative Compliance project is mitigating for a project that could not fully meet Performance Requirement No. 3 onsite, then the summary should quantify the following: 1) onsite retention volume required by Performance Requirement No. 3, 2) volume of runoff actually retained on site, and 3) volume of runoff retained at the Alternative Compliance project site.
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SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Mitigation Projects"*

SECTION VII: LONG-TERM OPERATION AND MAINTENANCE

Did the Permittee upload to SMARTS a copy (e.g., screenshot or spreadsheet) of the structural Stormwater Control Measure Operation and Maintenance database that shows all information regarding each structural Stormwater Control Measure installed per these Post-Construction Stormwater Management Requirements(see PCRs Provision E.3)?

Yes No

SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Long-Term Operation and Maintenance"*

SECTION VIII: ADDITIONAL UPLOADS

Did the Permittee upload to SMARTS information to demonstrate Performance Requirement No. 1 was applied to all applicable projects during the Reporting Period (including sample checklist)?

Yes No

SMARTS upload title: *"PCRs Annual Report [insert reporting period] – Performance Req No1 Implementation"*

CITY OF SOLVANG
 POST-CONSTRUCTION MANAGEMENT REQUIREMENTS FOR DEVELOPMENT PROJECTS IN THE CENTRAL COAST REGION
 RESOLUTION NO. R3-2013-0032
 Section E Operation and Maintenance for Structural SCM
 Reporting Year 2024-2025

Project Name	Project Number (City #)	Project Address / Location	PCR Category	SCM Type (List Applicable Codes)	SCM & DMA Identification and Description	Completion Date (MM/DD/YY)				O&M Location (physical and/or electronic)	O&M Responsible Party		O&M Funding Source	O&M Maintenance Verification	Problems Identified During Inspection (including Vector or Nuisance Problems)
						Construction	PCR Field Verification	Final Project Approval / Occupancy	O&M Plan Approval		Plan/Agreement	Name			
The Merkantile	PW 083	1980-1992 Old Mission Road, Solvang, CA 93463	PR4: Peak Management	SDRR2, SDRR4, SDRR5, WQT2, RR1, RR4-RR6, RR8-RR9, PM1	(1) Bioretention Basin (SCM 34), (2) Direct Infiltration - Permeable Pavement (SCM 46, SCM 47, SCM 48, SCM 49, SCM 50, SCM 51, SCM 52) DMAs Drain to SCM Roof (DMA 1, 10 to SCM 47, DMA 2, 9, 20 to SCM 52, DMA 3, 4, 8, 19, 28, 29 to SCM 34, DMA 5, 7, 21, 22 to SCM 46, DMA 6, 23, 25, 27 to SCM 51, DMA 11, 12 to SCM 48, DMA 13, 14, 15, 16 to SCM 49, DMA 17, 18 to SCM 50); Concrete or Asphalt (DMA 9 to SCM 52, DMA 10 to SCM 47, DMA 11-12 to SCM 48, DMA 12 to SCM 48); Pervious Concrete (DMA 46 to SCM 46, DMA 52 to SCM 52); Porous Asphalt (DMA 47 to SCM 47, DMA 48 to SCM 48, DMA 49 to SCM 49, DMA 50 to SCM 50, DMA 51 to SCM 51); (3) Self-Treating Areas - Landscape Area (DMA 30, DMA 32, DMA 33, DMA 40, DMA 41, DMA 42, DMA 43, DMA 44, DMA 45)(4) Self-Retaining Areas - Landscape Area (DMA 31, DMA 34, DMA 35, DMA 36, DMA 37, DMA 38, DMA 39) DMAs Drain to Self-Retaining Area Concrete or Asphalt (DMA 24 to DMA 38, DMA 25 to DMA 39)	7/10/20	6/24/20	8/13/20	3/30/20	Refer to SWCP	Joshua Richman	(805) 350-1791	Private	Yes	
170192 Ken & Jackie Gruendyke	N/A	1514 Kronborg Drive Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR2	N/A	1/4/18	1/4/18	N/A - No Building	N/A - Tier 1 Project	N/A - Tier 1 Project	Ken & Jackie Gruendyke	(805) 688-8183	Private	N/A	
CIP - Pickleball Court	PW 160	Hans Christian Anderson Park	PR1: Site Design and Runoff Reduction	SDRR3	N/A	4/30/21	5/10/21	N/A - No Building	N/A - Tier 1 Project	N/A - Tier 1 Project	City of Solvang	(805) 688-5575	Public	N/A	
1731/1735 Laurel Avenue	PW 134	1731/1735 Laurel Avenue, Solvang, CA 93463	PR2: Water Quality Treatment	SDRR2, SDRR3, SDRR4, WQT1	(1) Direct Infiltration - Subsurface Infiltration Storage Basin (SCM 1-8) DMAs Drain to SCM Roof (1-RA, 1-RB, 2-RA), (2) Direct Infiltration - Subsurface Infiltration Storage Basin (SCM 2-8) DMAs Drain to SCM Concrete or Asphalt (2-DW, 3-DW), (3) Direct Infiltration - Subsurface Infiltration Storage Basin (SCM 3-B) DMAs Drain to SCM Landscape Area (2-RY), (4) Self-Retaining Areas (1-FY) - Landscape Area(s), (5) Self-Retaining Areas (1-RY) - Landscape Area DMAs Drain to SR Roof (2-RB), (6) Self-Retaining Areas (2-FY) - Landscape Area DMAs Drain to SR Roof (4-RA, 4-RB); Concrete or Asphalt (4-DW, 5-DW) (7) Self-Retaining Areas - Landscape Area (2-RY) DMAs Drain to SR Roof (3-RA, 3-RB);(8) Self-Retaining Areas (1-SR) - Landscape Area, (Retention Basin) (9) Self-Retaining Areas (2-SR) - Landscape Area (Rain Garden), (10) Self-Retaining Areas (3-SR) - Landscape Area (Rain Garden) (11) Self-Retaining Areas (4-SR) - Landscape Area (Rain Garden)	10/27/22	Initial 10/10/22; Final 10/27/22	12/7/21 (1731 Laurel Avenue); 6/9/22 (1735 Laurel Avenue)	7/12/21	MNS and/or City Electronic File	Jake-Rodriguez [New Property Owner Name: Refugio Properties LLC, Greg Gandolfo (805) 896-0756]	(307) 200-9242 [New Property Owner Phone Number: Refugio Properties LLC, (714) 504-3151; Greg Gandolfo (805) 896-0756]	Private	Yes	
539 Alisal Road	PW 114	539 Alisal Road, Solvang, CA 93463	PR2: Water Quality Treatment	SDRR1, SDRR2, SDRR4, SDRR5, WQT1	(1) Bioretention Basin (SCM-1) DMAs Drain to SCM Roof (DMA 1); Concrete or Asphalt (DMA 3 and DMA 4), (2) Bioretention Basin (SCM-2) DMAs Drain to SCM Roof (DMA 2), Concrete or Asphalt (DMA 5), (3) Self-Retaining Areas - Pervious Pavers (DMA 6) (4) Self-Treating Areas - Landscape Areas (DMA 7, DMA 8, DMA 9)	5/25/24	Initial 5/7/24; Final 6/6/24	9/3/24	8/9/21	MNS and/or City Electronic File	Darkstar Development, LLC, Erik Vasquez	(661) 616-0600	Private		
Solvang Festival Theaterfest	PW 162	420 Second Street Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR5	(1) Direct Infiltration - Permeable Pavement	7/10/22	7/22/22	8/3/22	N/A - Tier 1 Project	N/A - Tier 1 Project	Solvang Festival Theater (Executive Director)	(805) 686-1789	Private	N/A	
1546 Copenhagen Driv -3 Vacation Rentals	GP21-005 / PW 175	1546 Copenhagen Drive, Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR2, SDRR4 WQT2	(1) Bioretention Basin	9/30/24	10/7/24	10/14/24	N/A - Tier 1 Project	N/A - Tier 1 Project	Jake Rodriguez	(307) 200-9242	Private	N/A	
420 5th Street	22-266; GP-23-002	420 5th Street, Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR5, WQT2	(1) Self-Retaining Areas - Permeable Pavement; (2) Bioretention Basin (SCM-1); (3) Bioretention Basin (SCM-2)				N/A - Tier 1 Project	N/A - Tier 1 Project	Lie Dechot	(818) 324-9599	Private	N/A	
Solvang Senior Center	GP24-001; EP-24-033	1745 Mission Drive, Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR2, SDRR5	(1) Self-Retaining Areas - Permeable Pavement				N/A - Tier 1 Project	N/A - Tier 1 Project	Solvang Senior Center Executive Director	(805) 688-3793	Private	N/A	
Romain Addition and ADU (1618 Birch Drive)	BP23-215	1618 Birch Drive, Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR2, SDRR5	(1) Self-Retaining Areas - Permeable Pavement				N/A - Tier 1 Project	N/A - Tier 1 Project	Kirk and Catherine Romain	(805) 588-1760	Private	N/A	
Little Sod Hotel	24-042 (Building)/24-0129 (Grading)	1704 Mission Drive, Solvang, CA 93463	PR2: Water Quality Treatment	SDRR2, SDRR5, WQT1	(1) Self-Retaining Areas - Landscape (DMA A - LS-A) DMAs Drain to Self-Retaining Area Roof (DMA A - HS-A Drains to DMA A - LS-A); (2) Self-Retaining Areas - Permeable Pavers (DMA B - PP) DMAs Drain to Self-Retaining Area Roof (DMA B - RF-1, DMA B-RF-2A; DMA B - RF-3A, DMA B - RF-5A, DMA B - RF-6, DMA B - RF-7A, DMA B - RF-8A, DMA B - RF-9A, DMA B - RF-10; Concrete or Asphalt (DMA B - HS-B); Landscape (DMA B - LS-B); (3) Bioretention Basin (SCM 1) DMAs Drain to SCM Roof (DMA C - RF-4B, DMA C - RF-5B, DMA C RF-7B, DMA C - RF-8B, DMA C - RF-9B; Concrete or Asphalt (DMA C - HS-C, Landscape (DMA C - LS-C); (4) Bioretention Basin (SCM 2) DMAs Drain to SCM Roof (DMA D - RF-2B, DMA D - RF-3B, DMA D - RF-4A; Concrete or Asphalt (DMA D-HS-D); Landscape (DMA D - LS-D)				11/18/24	MNS and/or City Electronic File	Ed St. George C/o Lonnie Roy	(805) 896-7896	Private		
*SCM Type Code	SDRR1: Direct roof runoff into cisterns or rain barrels for reuse SDRR2: Direct roof runoff onto vegetation areas SDRR3: Direct runoff from sidewalks, walkways and/or patios onto vegetated areas SDRR4: Direct runoff from driveways and/or uncovered parking lots, onto vegetated areas SDRR5: Construct bike lanes, driveways, uncovered parking lots, sidewalks, walkways and patios with permeable surfaces WQT1: LID Treatment System - Harvesting and Use, Infiltration and Evapotranspiration SCM w/Hydraulic Sizing Criteria (Retain Stormwater Runoff- 85 percentile 24-hour storm event based on local rainfall data) WQT2: Biofiltration Treatment System (Treat Storm Water Runoff - 0.2 inches/hour intensity or 2 X's 85 percentile hourly rainfall for the applicable area, based on historical records of hourly rainfall depth) WQT3a: Non-Retention Treatment Systems w/Hydraulic Sizing Criteria - Volume Hydraulic Design Basis (Treat Stormwater Runoff - 85 percentile 24-hour storm event, based on local rainfall data) WQT3b: Non-Retention Treatment Systems w/Hydraulic Sizing Criteria - Flow Hydraulic Design Basis (Treat Storm Water Runoff - 0.2 inches/hour intensity or 2 X's 85 percentile hourly rainfall for the applicable area, based on historical records of hourly rainfall depth) RR1: Retain 95th Percentile Rainfall Event - Optimizing Infiltration via Storage RR2: Retain 95th Percentile Rainfall Event - Optimizing Infiltration via Rainfall Harvesting RR3: Retain 95th Percentile Rainfall Event - Optimizing Infiltration via Evapotranspiration RR4: LID - Site Assessment Measures RR5: LID - Site Design Measures RR6: LID - Delineation of discrete Drainage Management Areas RR7: LID - Undisturbed and Natural Landscape Areas RR8: LID: Structural Stormwater Control Measures RR9: Hydrologic Analysis and Structural Control Measuring Sizing PM1: Post-development peak flows, discharge from the site, shall not exceed pre-project peak flows for the 2-10 year storm events.														

Tier 1 Stormwater Control Plan

For Small (Tier 1) Land Development Projects

Development projects that create or replace 2,500 sf or more of impervious surface (roofs or pavement) must incorporate specific measures to reduce stormwater runoff. This Stormwater Control Plan template applies to Small Tier 1 Projects¹. Please complete the following template and include with your land use permit application submittal.

It is fairly easy to accomplish the stormwater requirements for most small land development projects. However, compliance must be carefully documented. The municipal stormwater staff will review your Tier 1 Stormwater Control Plan, site plan, and associated permit submittals to confirm that the following design strategies have been incorporated:

- Limit disturbance of creeks and natural drainage features
- Minimize compaction of highly permeable soils
- Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access, and provide fire protection
- Minimize impervious surfaces by concentrating improvements on the least-sensitive portions of the site, while leaving the remaining land in a natural undisturbed state
- Minimize stormwater runoff by implementing one or more site design measures, consistent with the checklist below.

Here are the simple step-by-step instructions for completing a Tier 1 Stormwater Control Plan for Small (Tier 1) Land Development projects:

Step 1: Project Data Form

Complete all fields in the Project Data form. Select one or more runoff reduction measures.

¹ Projects that create or replace 5,000 sf or more of impervious surface (not single-family), and all other projects including single-family projects that create or replace 15,000 sf or more of impervious surface, require a more comprehensive *Stormwater Control Plan*. Please see Santa Barbara County's Stormwater Technical Guide for more information, including definition of "net impervious" as applicable. www.sbprojectcleanwater.org

Step 2: Delineate Impervious Areas and Runoff Reduction Measures

Delineate the impervious area. On an attached site plan or sketch, show the impervious area—for example, a roof, or portion of a roof, or a paved area—that will drain to your runoff reduction measure. Typically these delineations follow roof ridge lines or grade breaks. Alternatively, show the type and extent of pervious paving. An example sketch follows.

Indicate the location and type of runoff reduction measure(s) you've selected. On the site plan or sketch, show the reduction measure(s) selected. At least one measure is required that is designed to minimize runoff from some amount of impervious area.

Step 3: Complete Checklist and Submit Your Tier 1 Stormwater Control Plan

For each measure selected, fill out the brief checklist to verify that your design meets the minimum standards. Include the checklist with your Stormwater Control Plan.

This Stormwater Control Plan will accompany your land use application submittal and include:

1. Project Data form including the runoff reduction measures(s) selected
2. Site plan or sketch showing runoff management from impervious areas (see attached)
3. Checklist of runoff reduction measures design standards (see below)

Tier 1 Stormwater Control Plan Project Data

[Complete all fields]

Project Name / Case File Number	
Project Location [Street Address if available, or intersection and/or APN]	
Name of Owner or Developer	
Project Type and Description [Examples: “Single Family Residence,” “Parking Lot Addition,” “Retail and Parking”]	
Total New Impervious Surface Area (square feet) [Sum of currently pervious areas that will be covered with new impervious surfaces]	
Total Replaced Impervious Surface Area [Sum of currently impervious areas that will be covered with new impervious surfaces.]	
Total Pre-Project Impervious Surface Area	
Total Post-Project Impervious Surface Area	
Runoff Reduction Measure(s) Selected (Check one or more)	<ul style="list-style-type: none"> <input type="checkbox"/> 1. Disperse runoff from roofs or pavement to vegetated area <input type="checkbox"/> 2. Permeable pavement <input type="checkbox"/> 3. Cisterns or Rain Barrels <input type="checkbox"/> 4. Bioretention Facility or Planter Box

Stormwater Control Plan Runoff Reduction Measures Design Standards Checklist

Measure 1: Disperse runoff from roofs or pavement to vegetated areas.

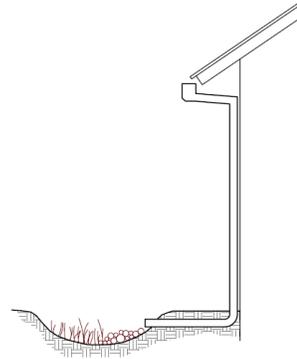
This is the simplest option. Downspouts can be directed to flat or concave vegetated areas adjacent to buildings or extended via pipes to reach such vegetated areas further away. Paved areas can be designed with curb cuts, or without curbs, to direct flow into surrounding vegetation.

On the site plan, show:

- Each impervious area from which runoff will be directed, and its square footage.
- The vegetated areas that will receive runoff, and the approximate square footage of each.
- If necessary, explain in notes on the plan how runoff will be routed from impervious surfaces to vegetated areas.

Confirm the following standards are met:

- Pervious areas must be relatively flat and if graded, the surface should be slightly concave. Tributary impervious square footage in no instance exceeds twice the square footage of the receiving pervious area. On your sketch, show rough dimensions that will confirm this criterion is met.
- Roof areas collect runoff and route it to the receiving pervious area via gutters and downspouts.
- Paved areas are sloped so drainage is routed to the receiving pervious area.
- Runoff is dispersed across the vegetated area (for example, with a splash block) to avoid erosion and promote infiltration.
- Vegetated area has amended soils, vegetation, and irrigation as required to maintain soil stability and permeability.
- Any area drains within the vegetated area have inlets at least 3 inches above surrounding grade.
- Additional comments: _____



Connecting a roof leader to a vegetated area. The head from the eave height makes it possible to route roof drainage some distance away from the building.

Measure 2: Permeable Pavement

Permeable pavements may include pervious concrete, pervious asphalt, porous pavers, crushed aggregate, open pavers with grass or plantings (turf block), open pavers with gravel, or solid pavers with open (non-grouted) joints.

Show on your site plan:

- Location, extent and types of pervious pavements.

Confirm the following standards are met:

- No erodible areas drain on to permeable pavement.
- Subgrade compaction is minimal.
- Reservoir base course is of open-graded crushed stone. Base depth (3" or more) is adequate to retain rainfall and support design loads (more depth may be required).
- No subdrain is included or, if a subdrain is included, outlet elevation is a minimum of 3 inches above bottom of base course.
- Subgrade is level and slopes are not so steep that subgrade is prone to erosion.
- Rigid edge is provided to retain granular pavements and unit pavers.
- Solid unit pavers, if used, are set in sand or gravel with minimum 3/8 inch gaps between the pavers. Joints are filled with an open-graded aggregate free of fines.
- Permeable concrete or porous asphalt, if used, are installed by industry-certified professionals according to the vendor's recommendations.
- Selection and location of pavements incorporates Americans with Disabilities Act requirements (if applicable), site aesthetics, and uses.
- Additional comments: _____



Check with local Fire Department for applicability criteria using permeable pavement.

Measure 3: Cisterns or Rain Barrels

Use of cisterns or rain barrels to comply with this requirement may be subject to municipality approval. Planning and Building Permits may be required for very large systems.

Show on your site plan:

- Impervious areas tributary to each cistern or rain barrel.
- Location of each cistern or rain barrel.



Confirm the following standards are met:

- Rain barrels are sited at or above grade on a sound and level surface at or near gutter downspouts.
- Gutters tributary to rain barrels are screened with a leaf guard or maximum 1/2-inch to 3/4-inch-minimum corrosion-resistant metallic hardware fabric.
- Water collected will be used for irrigation only.
- Openings are screened with a corrosion-resistant metallic fine mesh (1/16 inch or smaller) to prevent mosquito harborage.
- Lids are secured to prevent entry by children.
- Rain barrels and gutters are to be cleaned annually.
- Additional comments: _____

Measure 4: Bioretention Facility or Planter Box

An above-ground planter box may be appropriate if the development site lacks level landscaped areas for dispersion and pervious pavements are not practical. Planter boxes and bioretention facilities can treat runoff from impervious surfaces 25 times their area (sizing factor of 0.04).

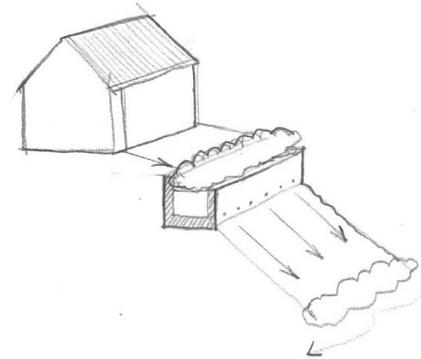
Detailed design guidance for bioretention facilities is in the *Stormwater Technical Guide*.

Show on your site plan:

- Impervious areas tributary to the facility.
- Location and footprint of facility.

Confirm the following standards are met:

- Ponding depth is 4"-6" minimum.
- Minimum 18" depth soil mix (60%-70% sand; 30%-40% compost) with minimum long-term infiltration rate of 5"/hour.
- Surface area of soil mix is a minimum 0.04 times the tributary impervious area.
- "Class 2 permeable" (Caltrans specification 68-2.02(F)(3) drainage layer 12" deep.
- No filter fabric.
- Perforated pipe (PVC SDR 35 or approved equivalent) underdrain.
- Connection with sufficient head to storm drain or discharge point.
- Underdrain has a clean-out port consisting of a vertical, rigid, non-perforated PVC pipe, connected to the underdrain via a sweep bend, with a minimum diameter of 4" and a watertight cap.
- Overflow outlet connected to a downstream storm drain or approved discharge point.
- Planter is set level.
- Emergency spillage will be safely conveyed overland.
- Plantings are suitable to the climate, exposure, and a well-drained soil.
- Irrigation system, if any, controlled as a separate zone.
- Additional comments: _____



Flow-through planter built into a hillside. Flows from the underdrain and overflow must be directed in accordance with local requirements.

Useful Resources

The following references may be useful for design. Designs must meet the minimum standard specifications herein.

Santa Barbara Project Clean Water Stormwater Technical Guide. Available at <http://www.sbprojectcleanwater.org>

Start At the Source: Design Guidance Manual for Stormwater Quality.
Bay Area Stormwater Management Agencies Association, 1999.

California Nevada Cement Association, www.cncpc.org

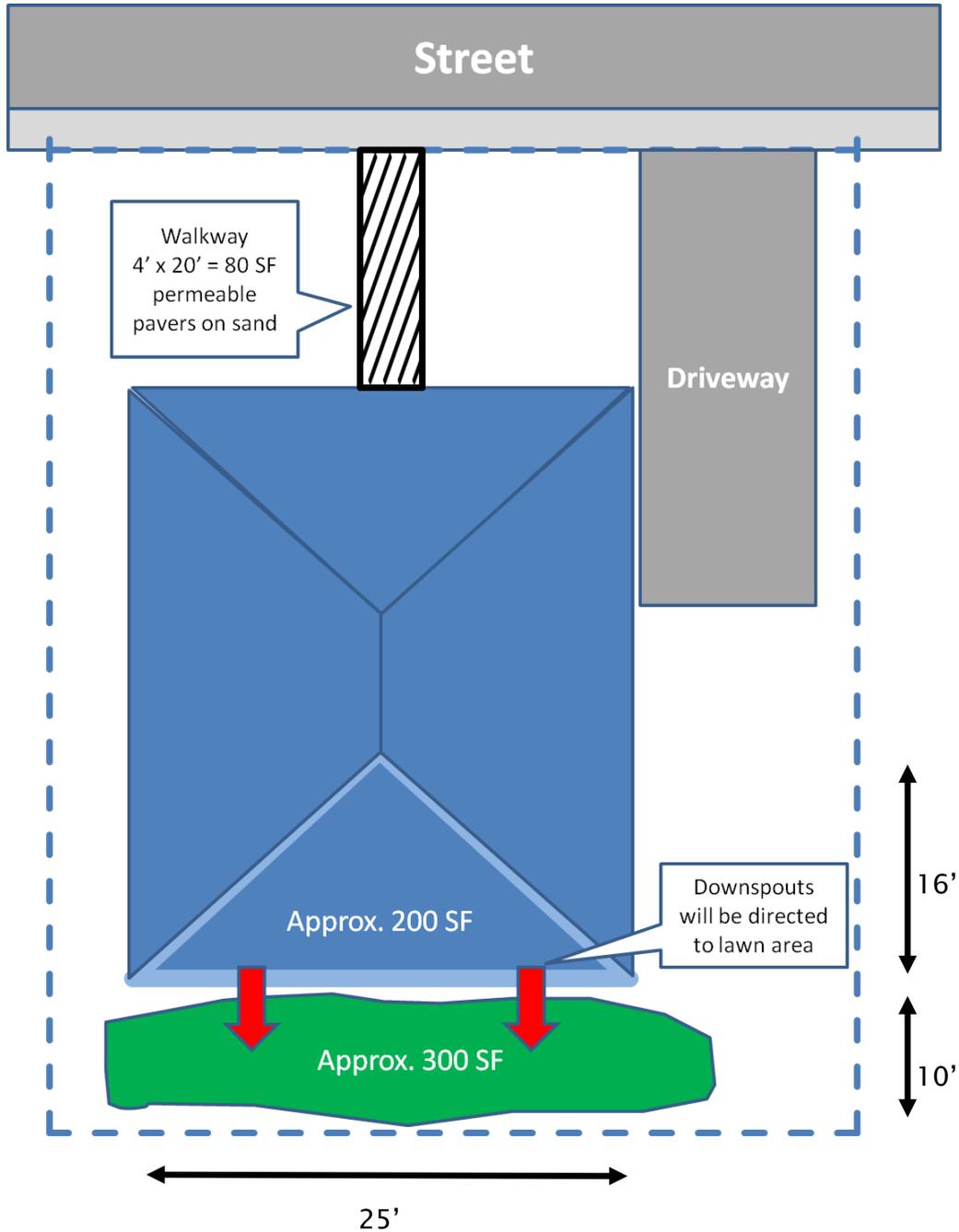
[Specifier's Guide for Pervious Concrete](#), Colorado Ready Mixed Concrete Association. www.crmca.org
Interlocking Concrete Pavement Institute
<http://www.icpi.org/>

Porous Pavements, by Bruce K. Ferguson. 2005. ISBN 0-8493-2670-2

Stormwater Control Plan Example Sketch

The example below illustrates the level of detail required. This site plan addresses two Runoff Reduction Measures: permeable paving and dispersing runoff to vegetated areas.

Not to Scale



Report Summary Text File - Auto-generated by SMARTS on 10/14/2025 10:31:07

Name of Report: Central Coast Post-Construction Stormwater Requirements Annual Reporting 2024 - 2025 Annual

Certifier Name: Rose Hess

Certifier Title: Director of Public Works

Certifier Password Hash:

e982cc01577a11efbed3d562735751f2716361f7dd2eb62003fb253e491b7012

Certifier User Account ID: 626600

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