2020-2021

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2020 - 06/30/2021

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Permittee Information

City of Buellton

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Phase II Small MS4 Annual - Report - 2020-2021

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 1-8) (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 1-8) 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				
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 4-8) 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 3-8) 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 4-8) 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 2-8) 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 4-8) 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 3-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 3-8) 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 2-8) If tailored parameter action levels, attach justification and modifications to parameters If 'No', please provide a brief explanation.	Yes		Neither the City of Buellton nor Solvang 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; 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 2-8) If tailored parameter action levels, attach justification and modifications to parameter action levels. If 'No', please provide a brief explanation.	Yes		Neither the City of Buellton nor Solvang 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; no additional upload is necessary.		
30	Conducted follow-up investigations per Section E.9.d. if the action level concentrations were exceeded? (E.9.c(ii)(c)) (Years 2-8) If 'No', please provide a brief explanation.	Yes				
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 2-8) If 'No', please provide a brief explanation.	Yes		NA - Buellton. The City of Buellton did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated. Yes - Solvang.		
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 2-8) If 'No', please provide a brief explanation.	Yes		NA - Buellton. The City of Buellton did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated. Yes - Solvang.		
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 2-8) If 'No', please provide a brief explanation.	Yes		NA - Buellton. The City of Buellton did not have any non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated. Yes - Solvang.		
35	Determined and documented through investigations the source of all non-storm water discharges? (E.9.d.(ii)(d)) (Years 2-8) 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 2-8) 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 2-8) 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 1-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 5-8) 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 no longer 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 5-8) 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 no longer 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 did not find a "Severe" or "Confirmed" Hotspots identified 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 5-8) If 'No', please provide a brief explanation.	Yes		Yes - Buellton. A comprehensive hotspot inspection is performed quarterly at the WWTP; however, per hotspot rating criteria, the facility is no longer a hotspot and does not have a Hotspot SWPPP. Yes - Solvang.		
52	Inspected each inventoried facility that is not a hotspot once during permit term? (E.11.e(ii)(d)) (Years 5-8) If 'No', please provide a brief explanation.	Yes		Yes - Buellton. For the City of Buellton, the WWTP is the only City facility that may have potential significant sources of pollution. According to the hotspot rating criteria, the facility is no longer a Hotspot, but the City continued to conduct quarterly inspections at this location. Yes - Solvang.		

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 4-8) 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 4-8) 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 3-8) If 'No', please provide a brief explanation.	No		No - Buellton. The City of Buellton inspected all storm drains and 18 are were found to have missing or damaged marker, The new markers will be installed during the 2021-2022 reporting year. Yes - Solvang		
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 3-8) If 'No', please provide a brief explanation.	No		No -Buellton. The City of Buellton cleaned 194 of the City's 218 storm drains; however, due to timing of the contract award, this was not performed prior to the the rainy season. No - Solvang. Although the City began inspecting 92 storm drain structures located within priority areas prior to the rain season, 73 structures (79%) were inspected and cleaned by November 4, 2020. The remaining 19 storm drain structures were not inspected until March 12, 2021 due limited resources or location/access issues with scheduled cleaning via Vac Truck completed by April 12, 2021.		
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 4-8) 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 4-8) 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 3-8) If 'No', please provide a brief explanation.	Yes				
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 4-8) If 'No', please provide a brief explanation.	Yes				
64	Evaluated all BMPs implemented during O&M activities quarterly? (E.11.h(ii)(d)) (Years 3-8) If 'No', please provide a brief explanation.	No		No - Buellton. The City of Buellton implemented their O&M Assessment Programs; however, assessment forms were not received from every Department every quarter. This is likely due to reduced operations during the COVID-19 pandemic. No - Solvang. The O&M activities assessment program was implemented during Year 8. O&M activities assessment inspection forms were not received for each quarter from each Division which may have resulted from in-activity during the quarter or due to restructure of assigned during the COVID-19 Outbreak.		
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 4-8) If 'No', please provide a brief explanation.	Yes		NA - Buellton. Yes - Solvang.		
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 2-8) 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 2-8) If 'No', please provide a brief explanation.	Yes				
69	Implemented educational activities for municipal applicators and distributors? (E.11.j(ii)(b)(1)) (Years 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 2-8) 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 4-8) 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 3-8) 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 2-8) 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 3-8) 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 4-8) 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 2-8) If 'No', please provide a brief explanation.	No		The Cities of Buellton and Solvang did not find any impediments with administering the post construction requirements during the Municipal Landscape Gap Analysis but the City is 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 1-8)	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 1-8)	No		Neither the City of Buellton nor the City of Solvang submitted 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					
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 3-8) Upload the Monitoring Study Results if monitoring was completed in 2020/2021.			NA. Buellton. Refer to a letter sent by the County of Santa Barbara (dated 2/3/21) on behalf of 303(d) monitoring partners (including the City of Buellton) to the Central Coast Water Board. The letter requested relief from 303(d) monitoring for this reporting year due to risk of COVID-19 spread and the State's Stay-at-Home Order. The request made by the County and 303(d) monitoring partners was approved by the Central Coast Water Board in a letter dated 3/2/21. NA - Solvang. On 2/4/21, the COS sent a Notification Letter to the Central Coast RWQCB of 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 $3,800* 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. Note: * = Correction of Amount of Equivalent Funds for COS to allocate toward cleanup/abatement. Although contracts were executed on 5/6/21 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 7/16/21 with the removal of 1 cubic yard of sediment; and has a tentative date of 10/30/21 date for needed repair of outfall pipe. The cleanup/abatement work for Outfall 20 and 21 was completed on 8/25/21 with the estimated removal of 5 cubic yards of sediment.		
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 3-8) 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				

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. Upload as an attachment. (Years 3-8) {required}					
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 1-8) {required if 'Yes'} If 'No', please provide a brief explanation.	NA		NA - Buellton. NA - Solvang. 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 1-8)					

Phase II Small MS4 Annual - Report - 2020-2021

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 qualilfied 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 threre 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: 10/04/2021**

Phase II Small MS4 Annual - Report - 2020-2021

ATTACHMENTS

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
2021-02-03 SBC Notification Temporary COVID Adjustment	2021-02-03 SBC Notification Temporary COVID Adjustment	2021-09-27 18:13:58.0	Supporting Documentation	c75431e47ac1bb32d531e2ec51c1a7afcde2e0887f703290df567fd81079fa	1/1
2021-02-04 Solvang Notification Temporary COVID Adjustment	2021-02-04 Solvang Notification Temporary COVID Adjustment	2021-09-27 18:13:59.0	Supporting Documentation	b6ba2a6a7d479ffd67e2978ca4298c75de7906fba79b3604a8618a851121cb	1/1
2021-03-02 CCRWQCB Notification Temporary COVID Adjustment Response	2021-03-02 CCRWQCB Notification Temporary COVID Adjustment Response	2021-09-27 18:14:00.0	Supporting Documentation	3e1261fbeef3924cc29a6d049a65e31ebead9f462cd820b2695b737935903a	1/1
2020-2021-PEAIP Annual Summary-Buellton	2020-2021-PEAIP Annual Summary-Buellton	2021-09-20 22:44:54.0	Supporting Documentation	b303d94bc598d044a9d894fc52656c7a77f3753991623efa2e919f8981d8d	1/1
2020-2021-PEAIP Annual Summary-Solvang	2020-2021-PEAIP Annual Summary-Solvang	2021-09-22 23:03:27.0	Supporting Documentation	888c913bd6ce77b119dba799f8f80e167e0b04c6077c51dfa3d6a63cc1af44	1/1

County of Santa Barbara Public Works Department
Project Clean Water
123 E. Anapamu Street, Suite 27, Santa Barbara, CA 93101
(805) 568-3440 FAX (805) 568-3434
www.sbprojectcleanwater.org

PROJECT CLEAN WATER
County of Santa Barbara

SCOTT D. MCGOLPIN
Director

THOMAS D. FAYRAM
Deputy Director

Sent via electronic mail to R3_STORMWATER@WATERBOARDS.CA.GOV

February 3, 2021

Lucas Sharkey
Central Coast Regional Water Quality Control Board

RE: County of Santa Barbara Municipal Stormwater Management Program (WDID No. 3 42M2000047)

Dear Mr. Sharkey,

The County is making a temporary adjustment to our storm water program due to COVID-19 directives, and would like to notify you of this temporary change.

Program Element- 303(d) Monitoring per section E.13.c

Inconsistent COVID-19 Guideline- Regional Stay at Home orders and activities of higher risk

Explanation- The County and its partner agencies Carpinteria, Goleta, Solvang, and Buellton, have been conducting storm runoff monitoring for the past five years since the monitoring program was approved in 2016. In the 2018 three-year summary report, the dataset was then robust to meet statistical acceptance criteria for one land use sites with recommendation to continue on the remaining land use sites, which we have done. This year we conducted our first-season sampling on December 28, 2020. Normally we work with sampling team partners. Due to COVID, samplers worked alone to reduce exposure/transmission of the virus. There was a safety incident that occurred to one of the samplers, made worse by being alone. The partner agencies discussed this particular issue combined with the level of risk involved throughout the sampling procedures: exchanging equipment and bottles prior to and after the event, driving bottles to the collection point, the lab courier from Los Angeles, and efforts at the lab. We considered these along with the safety of our staff in mind, and determined that further sampling should be postponed until we can conduct the effort using partners in the field, at a time when traveling is considered safe, ICU capacity is restored, and overall conditions have improved, which we hope will be soon. Missing two storms this season will not impact the monitoring program, the quality of the dataset, or progress to date.

Due to these circumstances, the County proposes to postpone any further sampling under the 303(d) sampling program until next season.

Lucas Sharkey, Regional Water Quality Control Board
February 3, 2021

In lieu of the sampling that would otherwise be conducted this year, the County can implement the following actions. The cost of sampling three events, which is the minimum, is approximately $2,3000/year (total ~ $7,000 split amongst partners). The equivalent amount of funds will be directed toward one or more of the following:

- Increased street sweeping from 3x/year to 4x/year
- Additional cleanup/abatement of trash hotspot areas
- Increased storm drain clean out from 1x/year to 2x/year

I hope these in-lieu efforts, which will result in the direct removal of pollutants from the storm drain, will be an acceptable compensation for a short-term postponement of sampling.

Sincerely,

Cathleen Garnand, Manager
PROJECT CLEAN WATER

cc: Rose Hess, City of Buellton
Matt van der Linden, City of Solvang
Melissa Nelson, City of Goleta
Erin Maker, City of Carpinteria

February 4, 2021

Lucas Sharkey
Central Coast Regional Water Quality Control Board

Subject: City of Solvang Municipal Stormwater Management Program (WDID No. 3 42M2000036)

Dear Lucas:

The City of Solvang is making a temporary adjustment to our storm water program due to COVID-19 directives and would like to notify you of this temporary change.

Program Element- 303(d) Monitoring per section E.13.c

Inconsistent COVID-19 Guideline- Regional Stay at Home orders and activities of higher risk

Explanation- The City of Solvang and its partner agencies Carpinteria, Goleta, Buellton, and the County of Santa Barbara have been conducting storm runoff monitoring for the past five years since the monitoring program was approved in 2016. In the 2018 three-year summary report, the dataset was then robust to meet statistical acceptance criteria for one land use sites with recommendation to continue on the remaining land use sites, which we have done. This year, the first-season sampling on December 28, 2020 by partner agencies. . Due to COVID, samplers worked alone to reduce exposure/transmission of the virus. There was a safety incident that occurred to one of the samplers, made worse by being alone. The partner agencies discussed this particular issue combined with the level of risk involved throughout the sampling procedures: exchanging equipment and bottles prior to and after the event, driving bottles to the collection point, the lab courier from Los Angeles, and efforts at the lab. We considered these along with the safety of our staff in mind and determined that further sampling should be postponed until we can conduct the effort with field partners, traveling is considered safe, ICU capacity is restored, and overall conditions have improved, which we hope will be soon. Missing two more storms this season will not impact the monitoring program, the quality of the dataset, or progress to date.

Due to these circumstances, the City of Solvang proposes to postpone any further sampling under the 303(d) sampling program until next season.

In lieu of the sampling that would otherwise be conducted this year, the City of Solvang can implement the following actions. The cost of sampling three events, which is the minimum number, is approximately $2,3000/year (total ~ $7,000 split amongst partners). The equivalent amount of funds will be directed toward one or more of the following:

- Increased street sweeping in the downtown area from 2x to 3x for the month of March, April and May
- Additional cleanup/abatement of Outfall 20 and 21 to remove accumulated sediment

I hope these in-lieu efforts, which will result in the direct removal of pollutants from the storm drain, will be an acceptable compensation for a short-term postponement of sampling. If you have any questions or require additional information, please don't hesitate to call me at (805) 688-5575.

Sincerely,

Matt van der Linden, PE
Public Works Director/City Engineer

Copy: Xenia Bradford, City Manager

Central Coast Regional Water Quality Control Board

March 2, 2021

Cathleen Garnand
123 E. Anapamu Street
Suite 27
Santa Barbara, CA 93101
Email: cgarnan@cobpw.net

via Electronic Mail

Dear Ms. Garnand:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM: CITY OF SOLVANG, CITY OF CARPINTERIA, CITY OF GOLETA, CITY OF BUELLTON, AND COUNTY OF SANTA BARBARA - RESPONSE TO FACILITY COMPLIANCE WITH CALIFORNIA EXECUTIVE ORDER NO. N-33-20

The Central Coast Regional Water Quality Control Board (Central Coast Water Board) received your letter dated February 4, 2021, concerning compliance with certain requirements of State Water Board Phase II Small MS4 Permit[1] for the subject Phase II MS4 permittees (Permittees) and with California Executive Order No. N-33-20 during the COVID-19 pandemic. In your letter, you stated that you cannot comply with the following specific requirements of the Permit, Section E.13.c.

The Central Coast Water Board recognizes the concerns and challenges regarding staffing and resources posed by the COVID-19 pandemic. During this challenging time, the Central Coast Water Board is working to continue protecting public health, safety, and the environment.

As described in your letter, the rationale why the Permit requirements should be suspended include:

1) Sampling requires two staff and cannot maintain social distance. Permittee feels one staff is not safe for conducting sampling;
2) Will appropriate equivalent funds from the monitoring program to other stormwater related activities.

[1] National Pollutant Discharge Elimination System General Permit for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems; Order 2013-0001- DWQ NPDES NO. CAS000004 (Permit); Available at: https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/remediated_phase2ms4permit_v2.pdf

The Central Coast Water Board concurs with your request to temporarily suspend the following requirement:

1) Section E.13.c – 303(d) monitoring program, outfall monitoring throughout county for several land uses

The suspension of the requirement to conduct outfall monitoring is a temporary amendment to the existing Permit through June 30, 2021, and the permittees will be required to comply with all of the requirements identified in the Permit after June 30, 2021.

Any person affected by this action of the Central Coast Water Board may petition the State Board to review the action in accordance with section 13320 of the California Water Code and title 23, California Code of Regulations, section 2050. The petition must be received by the State Board within 30 days of the date of this order. Copies of the law and regulations applicable to filing petitions will be provided upon request.

The Central Coast Water Board will continue to monitor the impacts of the COVID-19 pandemic and may provide further guidance on how to safely comply with the Permit as we gain more information.

If you have questions regarding this letter, please contact **Lucas Sharkey at (805) 594-6144** or Lucas.Sharkey@waterboards.ca.gov.

Sincerely,

for Matthew T. Keeling
Executive Officer

cc via electronic mail:
Rose Hess, City of Buellton, roseh@cityofbuellton.com
Matt van der Linden, City of Solvang, mattv@cityofsolvang.com
Melissa Nelson, City of Goleta, mnelson@cityofgoleta.com
Erin Maker, City of Carpinteria, erinm@ci.carpinteria.ca.us
Stephanie Yu, OCC, stephanie.yu@waterboards.ca.gov
Thea Tryon, Central Coast Water Board, thea.tryon@waterboards.ca.gov
Angela Schroeter, Central Coast Water Board, angela.schroeter@waterboards.ca.gov
Phil Hammer, Central Coast Water Board, phillip.hammer@waterboards.ca.gov
Lucas Sharkey, Central Coast Water Board, Lucas.Sharkey@waterboards.ca.gov
Sheila Soderberg, Central Coast Water Board, sheila.soderberg@waterboards.ca.gov

City of Buellton

Stormwater Program Effectiveness Assessment and Improvement Plan

Annual Summary 2020-2021

October 15, 2021

PRESENTED TO

Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 100
San Luis Obispo, CA 93401

PREPARED FOR

City of Buellton
Public Works Department
107 West Highway 246
Buellton, CA 93427

PREPARED BY

Tetra Tech
3201 Airpark Drive, Suite 108
Santa Maria, CA 93455

TETRA TECH

TABLE OF CONTENTS

TABLES

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	Land use-based 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 2020-2021 reporting year (Year 8) 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 SM4 Permit requires the City to implement its *Program Effectiveness Assessment and Improvement Plan* (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 (total suspended solids)—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, which is the *Program Effectiveness Assessment and Improvement Plan (PEAIP) Framework* (2015). The City's PEIAP meets the requirements of the Small MS4 Permit. It discusses six Outcome Levels that categorize BMP actions. The City's Stormwater Program BMPs primarily fall into Outcome Level 2, *Barriers and Bridges to Action,* and Outcome Level 3, *Target Audience Actions,* and to some extent, Outcome Level 4, *Source Contributions*, and Outcome Level 5, *Urban Runoff and MS4 Contributions.* 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:

- Total Maximum Daily Loads (TMDLs) proposed by the Central Coast Regional Water Quality Control Board (Central Coast Water Board);
- 2010 *303(d) List of Impaired Waterbodies*;
- 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
- Best professional judgment and knowledge of local and/or 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), are being implemented as part of Stormwater Program. Applicable data was collected and analyzed for each BMP at the close of Permit Year 8 (July 1, 2020 through June 30, 2021) in order to assess program effectiveness and identify opportunities for improvement. This report summarizes implementation of the City's Stormwater Program for Year 8 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, extensive 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; are understanding and retaining information provided by the Program; and are changing behavior, is very difficult to measure. Therefore, the PEAIP 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 identify necessary modifications to the Program to make it more effective.

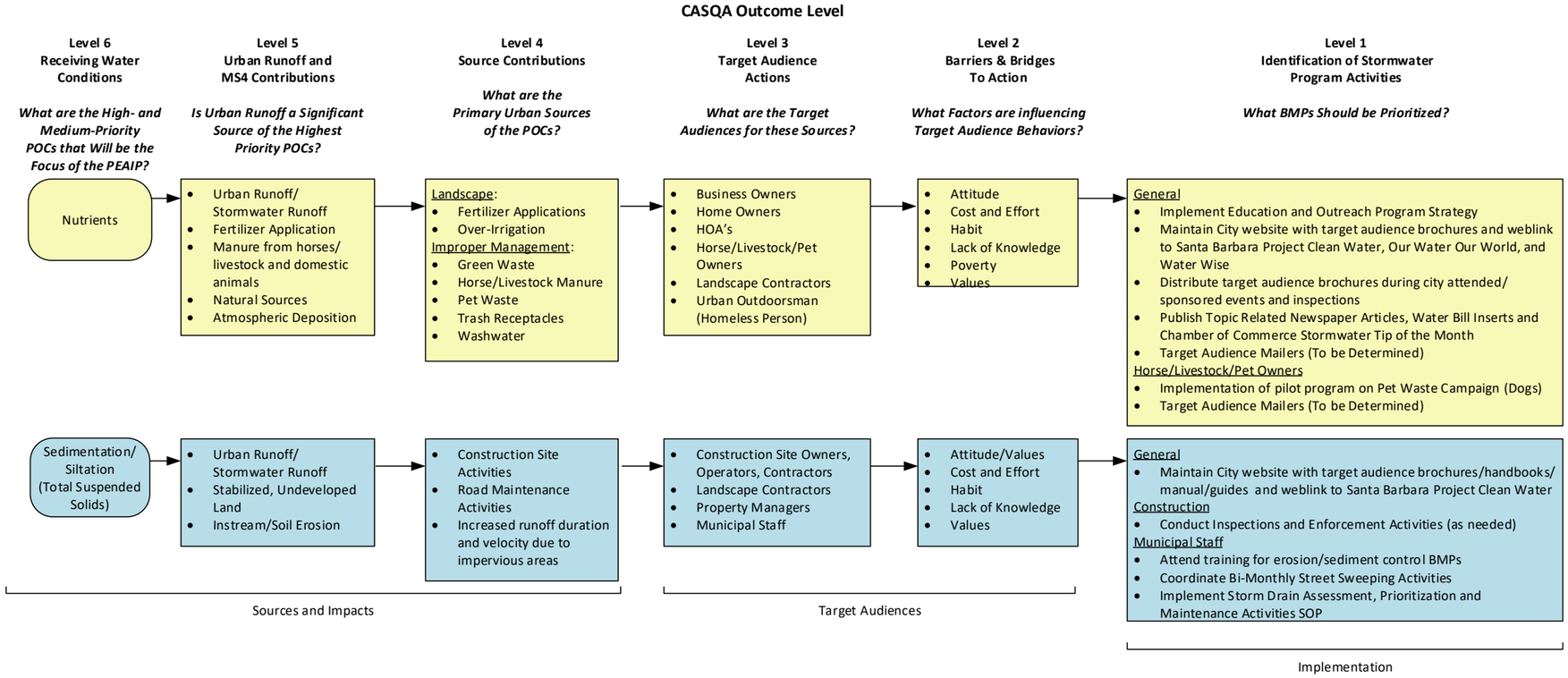

Figure 1. PEIAP Prioritized BMPs Identified for Target Audiences

2.0 PROGRAM ASSESSMENT METHODS

As stated above, the City BMPs are largely intended to achieve Outcome Level 2, *Barriers and Bridges to Action,* and Outcome Level 3, *Target Audience Actions*. Per the PEAIP, 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, and the general public. Since 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, including 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 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 load.

This PEAIP is organized by high-and medium-priority POCs—nutrients and sedimentation/siltation—and the assessment was conducted according to the management questions, data collection, and data assessment methods outlined within Table 5 and 6 of the PEAIP (see Tables 1 and 2). 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. PEIAP 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]		
• 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?	Descriptive Statistics • 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.	Internal Tracking by Stormwater Program • 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 Review of External Data Sources • Brochure Distribution during FOG and/or IWD Program Inspection
Public Involvement and Participation [Outcome Level 2-3]		
• 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?	Qualitative Assessment • Confirmation of Stormwater Pollution Prevention Interested Parties Sign-Up List at City's sponsored event's Stormwater Display Booth Descriptive Statistics • 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	Interviews/Surveys Internal Tracking by Stormwater Program • 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 Review of External Data Sources • Number of Stormwater Survey's Completed and Interested Parties Sign-up Inquiry via or Survey Monkey

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

Illicit Discharge Detection and Elimination [Outcome Level 4]		
• 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?	Qualitative Assessment • 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 Descriptive Statistics • 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	Internal Tracking by Stormwater Program • 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 Review of External Data Sources • FOG and/or IWD Inspection Reports and/or Violations • Local Hauler Green Waste Website/Mailers
Pollution Prevention and Good Housekeeping [Outcome Level 2-4]		
• 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?	Qualitative Assessment • Confirmation of on-going City Staff Training Descriptive Statistics • Number of FOG and/or IWD Inspection Reports	Interviews/Surveying Review of External Data Sources • FOG and/or IWD Inspection Reports • FOG and/or IWD Inspection Report Stormwater Questionnaires

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

Water Quality Monitoring [Outcome Level 5]		
• Is the urban discharge a significant source of nutrients to receiving water?	• Comparing modeled data to established targets • Use local data acquired through regional 303(d) monitoring program	• Monitoring and sampling results • Pollutant load model results

Table 2. PEIEP 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]		
• 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?	Qualitative Assessment • 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	Internal tracking by stormwater program • 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

3.0 PROGRAM EFFECTIVENESS ASSESSEMENT FINDINGS

3.1 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 regional 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, posters 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 (albeit, this was very limited in Year 8 due to the COVID-19 pandemic); (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 essential outdoor recreation and business areas that remained open during the pandemic, including the Santa Ynez Valley Botanic Garden (SYVBG), Windmill Nursery, and Farm Supply. The brochures that were stocked at the SYVBG included *A Gardener's Guide to Clean Water* (48 copies taken), *How to be Water Wise in your Garden* (67 copies taken), *The Ocean Begins on Your Street* (in English [46 copies taken] and Spanish [33 copies taken]), and the *Recognizing and Reporting Stormwater Pollution* pocket guide (43 copies taken). Additionally, stormwater posters were displayed in the garden's kiosk for the majority of the year. These City offices were closed or limited to the public this reporting year due to safety guidelines during the COVID-19 pandemic, so these locations were temporarily unavailable for public outreach.

3.1.1.2 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 fact sheets have a list of household hazardous waste disposal facilities in Santa Barbara County. The City also 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.

3.1.1.3 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?*, Our Water Our World's *Use and Disposal of Pesticides* fact sheet. The City also provides weblinks on its website to additional resources including the Project Clean Water, Our Water Our World, LessisMore.org, and WaterWiseSB.org. The City's Stormwater Management webpage had consistent public interaction, with a total of 330 views throughout the reporting year.

Two online surveys (one for residents and one for restaurants) are available on the City's stormwater webpage, which consist of questions designed to assess the respondents' knowledge of the Stormwater Program. Despite decent Stormwater Management webpage traffic and the City's promotion of the survey during community events and restaurant inspections, survey response has been very low:

- Year 2: 4 responses
- Year 3: 5 responses
- Year 4: 2 responses
- Year 5: 1 response
- Year 6: 5 responses
- Year 7: 1 response
- Year 8: 0 responses

However, the City will continue to promote the surveys. The City will determine whether changes to the website are needed to highlight the surveys in Year 9.

3.1.1.4 Outreach During FOG and IWD Inspections

The City continued to 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*).

3.1.1.5 Stormwater Hotline

During the 2020-2021 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, they received no inquiries in Year 8.

3.1.1.6 Children's Education

During Year 8, children largely attended school from home. As an alternative to the in-person educational assembly the City has provided to local schools in the past, the City coordinated with partner municipalities to obtain virtual assembly videos on water science, called "Shows that Teach". The City coordinated distribution to Oak Valley Elementary School, which has 355 students, and the videos were incorporated into class curriculum. The videos were used at elementary schools throughout the County and received positive feedback from teachers and principals at multiple schools.

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

Due to the COVID-19 pandemic and duty to protect its citizens and comply with State-mandated Stay-at-Home Order, the City was unable to host or participate in traditional community events (Buellton BBQ Bonanza, State of the City, Pooch-a-Palooza, and Earth Day events) during Year 8. However, the City implemented alternative measures, which are summarized in Section 3.1.1.

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 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. During Year 8, the Ordinance was updated in response to the Central Coast Water Board's Notice of Violation received July 9, 2020 stating that the Ordinance did not adequately demonstrate compliance with the Small MS4 Permit provision, "The construction site storm water runoff control ordinance shall include, at a minimum, requirements for erosion and sediment controls, soil stabilization, dewatering, source controls, pollution prevention measures and prohibited discharges." This clarification was added to the Ordinance 20-08, as well as minor changes throughout, such as changing terminology from *illegal discharges* to *illicit discharges* and *illicit connections* to *illegal connections* and provide more thorough examples that capture additional prohibited activities not explicitly described in the previous version. The Central Coast Water Board approved of the updates and dismissed the Notice of Violation on February 23, 2021. The City adopted the Ordinance as updated.

3.1.3.2 IDDE Procedures

The City updated its *Enforcement Response Plan* (ERP) (Bity of Buellton, 2016 updated 2021) and *Spill Response Plan* (SRP) (City of Buellton 2016, updated 2021) to reflect the amended Ordinance and to be stand-alone documents for the City that were previously combined with the City of Solvang. The ERP and SRP 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 (27 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 90%.

3.1.3.3 IDDE Detection, Elimination, and Reporting

During Year 8, seven potential illicit discharges or illegal connections were reported and were investigated by City staff and/or its contractors. Three of the seven investigated incidents were determined to have resulted in an illicit discharge.

- One incident was reported at 11:02 AM on January 7, 2021. The discharge consisted of gray water from a sink leaking from a broken pipe into an alley behind the Monighetti's Farrier, Feed, & Pet located at 545 Avenue of Flags.
- One incident was reported at 10:08 AM on March 17, 2021. The discharge consisted of wash water from power washing the sidewalk at a residential construction site located at 218 Ranch Road.
- One incident was reported at 3:45 PM on June 6, 2021. The discharge consisted of wash water from washing a concrete pad used for beer production at Figueroa Mountain Brewing Company located at 47 Industrial Way.

Staff responded to follow-up and verify the discharges were ceased in all cases. Incident reports were completed for the confirmed discharges. Photographs and incident details (location, timeline, description of discharge, written response, etc.) were retained within the City's records.

The four other potential illicit discharges were reported during FOG inspections. The City's stormwater contractor followed up with an additional inspection at each location. Although evidence of outdoor washing was observed (e.g., ponded water adjacent to the facilities) non-stormwater discharges to the MS4 was not verified. The stormwater contractor met with a manager from each facility and provided verbal training regarding prohibited activities, recommended BMPs to minimize and eliminate pollutants from entering the storm drain system, and provided copies of the *Restaurant's Guide to BMPs* in English and Spanish (no date, available on the Stormwater

Program website). Follow-up inspections will be conducted at each facility in the next reporting year to determine whether the washing activities have ceased and to assess the need for additional restaurant staff training.

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 71 FOG and 41 IWD inspections during the reporting year. 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), and Year 8 (71 FOG and 44 IWD questionnaires). The questionnaires asked the respondents: (1) *Are you familiar with the City's Storm Water Program?*; (2) *Are you aware of the 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.

The City's online Restaurant Survey (available on the Stormwater Management website) was promoted during facility inspections; however, only two respondents completed the survey (one with 100% score, the other with 30% score).

3.1.4.2 Target Audience-Specific BMP Guides

A new mobile car detailer contacted the City to determine how to manage car wash water from the business. The City provided training (verbal) regarding authorized and unauthorized non-stormwater discharges to the MS4 and BMPs for their control. The City's *Mobile Cleaners Guide to BMPs* (no date, available on the Stormwater Management website) was also given to the business owner.

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.

The City continues to promote the CTPL pet waste management campaign on the City's website and through its direct mailers/media campaign via articles in the bimonthly *Buellton Buzz* water bill insert. Normally, the City also distributes CTPL outreach materials like flyers, doggy bag dispensers, and pet food scoops at community events to promote the proper cleanup and disposal of pet waste amongst residents. Since community events were postponed during this reporting year due to the COVID-19 pandemic, the City advertised the CTPL campaign via a new installation of 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. 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). The area was inspected and photographed before the signs were installed. Upon installation, landscapers cleaned all pet waste from the area. Moving forward, the estimated quantity of pet waste left will be monitored and recorded to evaluate the effectiveness of the posters.

3.1.5 Water Quality Monitoring (CASQA Outcome Level 5)

The City participates in a regional water quality monitoring program 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, or 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 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, 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. 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). The City submitted the required Technical Order Reports #1 through 4.

The City continues to participate in the regional water quality monitoring program. During Year 8, the City deployed to sample on December 28, 2020 with partner monitoring agencies; however, the event was called off due to safety risk and lack of ability to social distance while collecting samples. The lead agency, the County of Santa Barbara, then corresponded with the Regional Board on behalf of the partners to temporarily halt this monitoring effort due to the State's Stay-at-Home order and activities of higher risk (letter dated February 3, 2021). As an alternative to this BMP, the City extended its regular high-priority storm drain cleaning to all storm drains in the City. Estimates of material removed from the storm drains was recorded and will be used for comparison to that removed in future cleanings.

3.2 TOTAL SUSPENDED SOLIDS

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 (10 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 10 trainees being 93%.

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 8, the City did not issue any new construction site grading permits that required review of a Stormwater Pollution Prevention Plan (SWPPP), Erosion and Sediment Control Plan (E&SCP) and/or Stormwater Control Plan (SWCP). One Water Pollution Control Plan (WPCP) for a road rehabilitation project was reviewed. The City conducted monthly inspections at two active construction sites during the reporting year. This appears to be a very effective BMP, as the inspection contractor is able to meet with on-site staff to provide some 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 8, 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)

In Year 8, no new construction sites received discretionary approval. Three construction projects were in the Engineering project plan check phase (although one potentially will have no soil disturbance) that received discretionary approval after March 6, 2014 and may require a SWCP to be submitted to comply with the Central Coast Post-Construction Requirement (PCR) measures.

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

3.2.5.1 Street Sweeping

During Year 8, the City's street sweeping contractor continued to conduct bimonthly street sweeping on all municipal streets (residential and arterial roads, but not private roads), alleyways, and parking lots based on a pre-determined frequency and route. 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 8, the City contracted cleaning of the storm drain system catch basins, drop inlets, area drains, and sidewalk drains. The contractor cleaned 194 of the City's 218 storm drains and removed an estimated total of 2,540 gallons of organic material (313 five-gallon buckets), sediment (193 five-gallon buckets), and trash (two five-gallon buckets). Due to issues with the City's ability to secure a storm drain cleaning contact in the previous year, the storm drains were not cleaned and therefore, comparative data does not exist. However, cleaning is planned for the next reporting year, from which estimated material removed can be compared to this reporting year's estimates.

3.2.5.3 Hotspot Inspections

The City's only stormwater pollution "hotspot" is the Wastewater Treatment Plant (WWTP), which was inspected quarterly during Year 8. 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.

During 2020-2021 (Year 8), the City encountered many limitations in implementing its stormwater program due to the COVID-19 pandemic. The City was able to overcome most of the obstacles and through its search for alternative methods, make improvements in some areas of the program. For example, due to local public health regulations during the reporting year, children were attending school remotely. Instead of the educational assembly that the City has provided to local schools in the past, the City coordinated with partner municipalities to obtain virtual assembly videos on water science, called "Shows that Teach". The City coordinated distribution to Oak Valley Elementary School, which has 355 students, and the videos were incorporated into class curriculum. The videos were used at elementary schools throughout the County and received positive feedback from teachers and principals at multiple schools.

The biggest challenge the Stormwater Program faced during the reporting year was implementing its Public Involvement and Participation BMPs. Due to the COVID-19 pandemic, all local events in which the City's Stormwater Program typically participates in each year were cancelled. 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 implemented a new facet of the campaign during the reporting year by installing large CTPL posters along a high pet-traffic area to encourage the pet owners to pick up their pet's waste. The City received positive feedback from the public after the posters were installed. The City will continue to monitor the area for pet waste loading, compare to pre-signage loads, and assess the effectiveness of this BMP.

The City participates in the regional 303(d) monitoring program, which is designed to provide information for refining the County-wide LPRM. The City deployed to sample on December 28, 2020; however, the event was called off due to safety risk and lack of ability to social distance while collecting samples. The lead agency, the County of Santa Barbara, then corresponded with the Regional Board on behalf of the partners to temporarily halt this monitoring effort due to the State's Stay-at-Home order and activities of higher risk (letter dated February 3, 2021). As an alternative to this BMP, the City extended its regular high-priority storm drain cleaning to all storm drains in the City. Estimates of material removed from the storm drains was recorded and will be used for comparison to that removed in future cleanings.

Another successful adaptation in this reporting year is the altering of the staff training format. Due to the changes in staff schedules and working at home, the City developed a comprehensive slide presentation for each required staff/contractor training (i.e., illicit discharge and illegal connection detection and elimination, stormwater pollution prevention, construction, and post-construction) to be reviewed by applicable City staff. Training review was confirmed by email response and by the trainees' completion of the corresponding quiz. Quiz results reflected a high level of stormwater knowledge by staff.

As the COVID-19 pandemic continues, challenges will be met in the upcoming year and possibly more to engage the public and change behavior. The City will continue to innovate and find new mechanisms for connecting with the community, providing outreach and education, and encouraging participation. The City will also continue to perform self-assessments of its facilities and activities to further reduce potential pollution, carry out its training program, and maintain the MS4.

5.0 REFERENCES

California Stormwater Quality Association (CASQA)

2015 *Program Effectiveness Assessment and Improvement Plan (PEAIP) Framework* (April). Available online at: Guidance Documents | CASQA – California Stormwater Quality Association.

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

2015, updated 2017 *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, updated 2017 *Quality Assurance Project Plan for Urban Storm Water Monitoring Plan 2015-2018.*

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 Stormwater Chapter 15.01 Stormwater Management and Discharge Control, as revised by Ordinance 20-08.*

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*

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City of Solvang
Stormwater Program Effectiveness Assessment and Improvement Plan (PEAIP)
Annual Summary 2020-2021

1. PEAIP Summary Introduction:

The City of Buellton (COB) and City of Solvang (COS) prepared and submitted to the State Water Resources Control Board a multi-agency PEAIP 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 to be uploaded with Year 3 Annual Report. This report summarizes implementation of the PEAIP for Year 8 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, 2020 through June 30, 2021.

The purpose of the PEAIP 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 PEAIP is also to provide a description of how the COB and COS will use the information obtained through the PEAIP to improve the stormwater program. The PEAIP 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 PEAIP 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 PEAIP for Year 3-8 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. 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 PEAIP, 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 8 in order to assess program effectiveness and identify opportunities for program improvement.

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

2. Data Summary – Program Assessment:

In accordance with the NPDES Phase II MS4 General Permit's Section E.7, the COS continue to implement a Stormwater Education and Outreach Program Strategy. The program's goal is to inform people of the impacts of stormwater discharge on water bodies and the steps they can take to reduce pollutants in stormwater and how they can become involved in restoration activities.

The City's education and outreach campaign typically involves a combination of: (1) implementing a Community Based Social Marketing (CBSM) campaign to promote changes in people's behavior related to management of dog waste that will improve the quality of the Cities stormwater and surface waters; (2) conducting surveys or quizzes; (3) provide education and outreach materials (i.e. printed materials, billboard, mass transit advertisement, television advertisements, and websites) to target audiences as appropriate; (4) utilizing public input in developing outreach through event participation; (5) providing availability of water efficient/pesticide and fertilizer application/stormwater brochures within each City office and/or website; (6) promoting reporting of illicit discharges or illegal connections; (7) providing availability of pesticide and fertilizer application within each City office and/or website; (8) provide educational materials to school children to promote stormwater pollution prevention; and (9) Develop messaging to reduce discharges from organized car washes, mobile cleaning and pressure washing activities but do to COVID-19 Outbreak, the City's campaign did not operate at its full potential during the reporting year of 2020-2021.

The City did continue to maintain an on-line Stormwater Management Program survey to assess the public's knowledge on their Stormwater Management Program (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), and Year 8 (0 Responses)], the COS will continue to alter its approach to promote on-line surveys should COVID-19 Outbreak restrictions continue and not allow for direct interactions during City-sponsored events.

Although the COS's stormwater website on-line survey results showed a decline for Year 4-8, 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) and Year 7 (10 Responses). Due to the success rate, the COS will continue to implement the alternative approach of promoting the on-line survey through direct interactions at an event after COVID-19 Outbreak restrictions have lifted. The COS will also continue to engage the residents and business through direct mailers to take the on-line survey when applicable.

For the PEAIP, the COB and 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 PEAIP. 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 PEAIP.

The COS data summary for the high-and medium-priority POCs by program element are as follows:

NUTRIENTS

Education and Outreach (CASQA Outcome Level 2-3)

COS Data Assessment/Collection:
The COS did not have any education and outreach events during Year 8 due to COVID-19 Outbreak restrictions but did support a Coastal Cleanup Day (September 21, 2020) via Explore Ecology and other partner agencies as well as the expanded cleanup event that lasted throughout the entire Month of September. In addition, the City was not able to distribute as many education and outreach materials through brochure displays at designated City facilities (City Hall, Planning Department) due to office closures. When the offices reopened in June 2021, it was determined that the number of education and outreach materials distributed at the City facilities included: 1 Gardener's Guide to Clean Water; 0 Homeowners Guide to BMPs; 0 Recognizing and Reporting Stormwater Pollution; 0 The Ocean Begins on Your Street-English; 0 The Ocean Begins on Your Street-Spanish.

Although the number of materials distributed at the City facilities decreased, the COS File View/Hits/Downloads from the City's website increased 324% during COVID-19 Outbreak from the previous year. The COS's website received 880 File View/Hits/Downloads on the following Nutrient related documents: 278 Gardener's Guide to Clean Water (136 English; 142 Spanish); 317 Homeowner's Guide to BMPs (174 English; 143 Spanish); 285 The Ocean Begins on Your Street (144 English; 141 Spanish) thru the City's website. The COS also provides weblinks to additional resources on the City's website to the Santa Barbara County Project Clean Water, Our Water Our World (OWOW), Less is More website and Santa Barbara County Water Wise website.

A permanent stormwater education and outreach display is continued to be maintained in the SYVBG and at the Solvang Public Library's Stormwater Display Board. The number of education and outreach materials distributed at the SYVBG Information Kiosk related to Nutrients included: 47 Gardener's Guide to Clean Water; 50 Recognizing and Reporting Stormwater Pollution; 36 The Ocean Begins on Your Street (36 English; 33 Spanish. The City did not distribute any stormwater bookmarks to Solvang Public Library nor to Solvang

School due to COVID-19 Outbreak restrictions and closure of these facilities but will resume distribution in Year 9.

The Santa Barbara County Water Agency continues to disseminate the Landscaper's Guide to BMPs digitally to all students attending the Green Gardener class offered on-line via Santa Barbara City College and/or Allan Hancock Community College.

The COS's website received 1309 File Views/Hits/Downloads on the following Nutrient related documents: 298 Landscaper's Guide to BMPs (156 English and 142 Spanish); 305 Restaurant's Guide to BMPs (163 English and 142 Spanish); 280 Special Events Guide to BMPs (147 English and 133 Spanish); 286 Multi-Unit Residential Dwellings Guide to BMPs (144 English and 142 Spanish) and 140 Mobile Pet Groomer & Stylist Guide to BMPs. The COS File View/Hits/Downloads from the City's website increased 615% during COVID-19 Outbreak from the previous year.

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.

Although there were less customers within the OWOW Partner Store (Valley Hardware) which resulted in less visibility to the OWOW Campaign due to the COVID-19 Outbreak restrictions, the number of education and outreach materials distributed at the Valley Hardware included: 68 Fact Sheets - 12 Less Toxic Products, 2 10 Most Wanted, 11 Ants (9 English and 2 Spanish), 4 Aphids, 2 Cockroaches, 4 Flees, 4 Healthy Gardens, 2 Lawn, 6 Mosquitos, 0 Pesticides (0 English and 0 Spanish), 0 HHW Facilities SBC, 4 Rats & Mice (4 English and 0 Spanish), 3 Roses, 3 Snails & Slugs, 4 Spiders, 6 Weeds, 1 Yellowjackets.

As an alternative OWOW campaign approach, the COS published an "It's Our Water Our World!" article within the Santa Ynez Valley News to educate the public on using less-toxic projects and to promote the OWOW campaign. The article also highlighted the information and services offered through the OWOW website as well as provided the location of OWOW Partner Stores (local nurseries and hardware stores) in Santa Ynez Valley and other participating stores in nearby partner agency community. The COS forwarded this article to OWOW Partners should the City's like to publish the article within their local newspaper

In Year 9, the COS will continue to implement the CBSM OWOW Campaign with 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.

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

<u>COS Data Assessment/Collection</u>:

Although there were no education and outreach events due to the COVID-19 Outbreak restrictions, the COS did encourage public involvement and participation through publishing stormwater pollution prevention articles within the Santa Ynez Valley News. The articles included “Reduce, Reuse and Recycle!”, “It’s Our Water Our World!” and “How to Recognize and Report Illicit Discharges”.

The COS did not have any interested Parties Sign-up through the City’s Website nor were any Stormwater Management Program surveys completed. There were also no changes to the survey or quizzes on-line at this time until the COS has comparable data through ongoing surveys. The COS will continue to promote the survey on the City’s website as well as during direct interactions with the public when COVID-19 Outbreak restrictions are lifted.

Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

COS Data Assessment/Collection:
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.

The COS continues to implement a Spill Response Plan 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. There were 21 City Staff (4 new and 17 existing), 3 Contract Staff and 2 Interns that were provided IDDE Training. . All new City Staff and Interns were provided an 11 Question Quiz following the initial training that was conducted remotely via video conference with follow-up with CD videos when needed due to technical difficulty. All existing City Staff were provided a 15 Question Quiz that was used to access trained staff’s knowledge in the identification of an illicit discharge, proper reporting and response to the illicit discharge or illegal connection. The annual assessment of exiting City Staff demonstrates an increase in stormwater general awareness amongst staff as indicated by the average score of 94% correct and has resulted in an increase in reporting of possible spills, illicit discharges, or illegal connections which was a 2% increase from last year.

There were 4 out of 8 site investigations/complaints associated with potential or confirmed Nutrient related discharges during Year 8. As a result of these investigations/complaints, the COS issued 3 verbal warnings, 3 written notices with 3 of the 4 incidents were resolved/closed through the IDDE Program with 1 pending resolution with the business owner. The COS will continue to conduct stormwater education and outreach efforts whenever possible through direct integrations or through direct mail/media campaign.

As part of the Stormwater Management Program, the COS continues to contract with a local waste hauler for management of green waste and coordinates/promotes green waste recycling in the community through the waste hauler. The COS also maintains Mutt Mitt Stations within the following locations: 4 Hans Christian Andersen Park, 3 Sunny Fields Park, 2 Solvang Parks, and 1 Veterans Memorial Building, 2 Skytt Mesa residential area and 1 Parking Lot 4. . The COS Mutt Mitt Program purchased approximately 50,000 bags for the

Bi-weekly Maintenance of the Mutt Mitt Stations and also installed 4 additional Mutt Mitt Stations in the City's effort to help eliminate pet waste from entering our local waterways.

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

COS Data Assessment/Collection:
The COS continues to promote the CTPL Pet Waste Campaign on the City's website and through giveaways (CTPL Dog Dispensers for Pet Waste and Stormwater Bookmarks), education and outreach materials (BMP Guides), direct mailers/media campaign and/or at events when COVID-19 Outbreak restrictions are lifted.

In June 2021 when COVID restrictions were lifted, the COS began restocking City Hall with CTPL Dog Dispensers for Pet Waste for distribution to Dog Owners The COS will also begin to distribute the CTPL Dog Dispensers for Pet Waste to Dog Owners at events who will verbally Pledge to CTPL and spread the word and use the CTPL bag dispenser for pet waste to keep the message alive. The City will continue to promote the CTPL campaign through information that is posted at the SYVBG Information Kiosk Display Board and at the Solvang Public Library's Stormwater Display Board; and offer free CTPL Dog Dispensers for Pet Waste at each City Hall, and at designated events.

The COS's FOG Program continues to be managed by the Wastewater (WW) Division. The WW Division provides FOG control material to new FSE 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 the FOG-control's number one goal of preventing main line blockage and spills. While additional data collection related to FOG-control is not discouraged it is also not a top priority for the collection system staff.

The COS continued to promote the on-line Solvang Restaurant Survey via the City's website but continued to have a lack of participation. The COS's website received 788 File Views/Hits/Downloads on the following Nutrient related documents included: 305 Restaurant Guide to BMPs (163 English and 142 Spanish), 298 Landscaper's Guide to BMPs (156 English and 142 Spanish), 185 Mobile Cleaners Guide to BMPs (94 English and 91 Spanish) and 274 Cleaning Up Posters (145 English and 129 Spanish). In addition, the COS's website also received 714 File Views/Hits/Downloads on the following BMP Guides: 288 Special Events Guide to BMPs (147 English and 133 Spanish); 286 Multi-Unit Residential Dwelling's Guide to BMPs (144 English and 142 Spanish), 140 Mobile Pet Groomer and Stylist Guide to BMPs (140 English/Spanish).

On March 8, 2021, the COS issued BMP Guides (Homeowners and Landscaper's) in English and Spanish to the Alamo Pintado Village Homeowners Association for distribution to the residents that live along Alamo Pintado Creek. The COS continues to issue the Special Events Guide to BMPs with the City's Special Event Permit Application.

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

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Water Quality Monitoring (CASQA Outcome Level 5)

The COS continues to participate in the Santa Barbara County Public Works Department's regional water quality monitoring program. The draft Urban Storm Water Monitoring Plan (titled Receiving Water Monitoring Plan) FY 2015-2018 was submitted to Region 3 Water Board 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 Urban Storm Water Monitoring Plan, 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 Urban Stormwater Monitoring Plan (USWMP) and the Quality Assurance Plan (QAPP). Monitoring was initiated during Year 3 and results was 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 event mean concentrations (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 requires the submission of the following reports that document progress on key activities relating to completing spatially based stormwater volume and pollutant loading estimates;

- 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 requirement 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 Cities 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.

On February 4, 2021, the COS sent a Notification Letter to the Central Coast RWQCB of 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. Note: * = Correction. The cost of Sampling 3 Events is approximately $2,300/year (total~7,000 spilt 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. The cleanup/abatement work for Outfall 20 and 21 was completed on August 25, 2021 with the estimated removal of 5 cubic yards of sediment.

SEDIMENTATION/SILTATION (Total Suspended Solids)

Education and Outreach (CASQA Outcome Level 2-3)

<u>COS Data Assessment/Collection</u>:
The COS continued to implement a Spill Response Plan which provides guidance to City Staff and Authorized Contract 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. There were 21 City Staff (4 new and 17 existing), 3 Contract Staff and 2 Interns that were provided IDDE Training. All new City Staff and Interns were provided an 11 Question Quiz following the initial training that was conducted remotely via video conference with follow-up with CD videos when needed due to technical difficulty. All existing City Staff were provided a 15 Question Quiz that was used to access trained staff's knowledge in the identification of an illicit discharge, proper reporting and response to the illicit discharge or illegal connection. The annual assessment of existing City Staff

demonstrates an increase in stormwater general awareness amongst staff as indicated by the average score of 94% correct and has resulted in an increase in reporting of possible spills, illicit discharges, and illegal connections which was a 2% increase from last year.
All Contract Staff were provided Permittee Staff Training remotely via video conference with follow-up with CD videos when needed due to technical difficulty. All Plan Reviews and Permitting Staff (3 Contract Staff) were provided a 10 Question Quiz to test their knowledgeable in the technical review of local Erosion and Sediment Control Plans (E&SCP) including proper control measure selection, installation, implementation, and maintenance as well as administrative requirements such as inspection reporting/tracking and the use of the Permittees enforcement responses. The annual training has provided an increase in stormwater requirements amongst staff with an average score of 93% correct for Plan Reviewers and Permittee Staff and has resulted in increased knowledge of staff inspecting sites and reviewing plans.

The COS maintained connections with 2 of the 3 construction contractors through issuance of grading permits and inspections which occur at a minimum monthly during active construction to ensure the construction contractors are informed of proper erosion and sediment control measures. One of the 3 construction sites has had no soil disturbance with the anticipated construction start date to begin September 2021.

The COS was not able to distribute as many education and outreach materials through brochure displays at designated City facilities (City Hall, Planning Department) due to office closures. When the offices reopened in June 2021 and although it was determined that there no Sediment related education and outreach materials distributed at these facilities, the COS's website received 587 File View/Hits/Downloads on the following Sediment related documents: 311 Construction Industry's Guide to BMPs (170 English and 141 Spanish); 141 EPA's Stormwater and the Construction Industry Poster; 135 Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control. The COS File View/Hits/Downloads from the City's website increased 314% during COVID-19 Outbreak from the previous year.

The COS also updated its Stormwater Management webpage and created a New and Redevelopment Projects page that provides Low Impact Development information including forms and examples of plans as well as information on Trash Treatment Control Devices and Storm Water Drainage Wells (Class V Underground Injection Wells). In Year 9, the COS will continue to distribute educational materials to construction site operators when needed and information on training/workshop opportunities.

Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

<u>COS Data Assessment/Collection</u>:
The COS continued to implement its IDDE Program through SMC Title 14 Stormwater Management also known as the Stormwater Management Ordinance and the COS's Stormwater Program Management Certification Statement which provides the City full legal authority to implement and enforce each of the NPDES Phase II MS4 General Permit requirements. The COS also continues to implement the Enforcement Response Plan that documents enforcement measures and tracks the types of enforcement responses.

The COS has also implemented a Spill Response Plan 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. There were 21 City Staff (4 new and 17 existing), 3 Contract Staff and 1 Interns that were provided provide IDDE Training. All new City Staff and Interns were provided an 11 Question Quiz following the initial training that was conducted remotely via video conference with follow-up with CD videos when needed due to technical difficulty. All existing City Staff were provided a 15 Question Quiz that was used to access trained staff's knowledge in the identification of an illicit discharge, proper reporting and response to the illicit discharge or illegal connection. The annual assessment of existing City Staff demonstrates an increase in stormwater general awareness amongst staff as indicated by the average score of 94% correct and has resulted in an increase in reporting of possible spills, illicit discharges, or illegal connections which was a 2% increase from last year.

There were 2 site investigations associated with Sediment related discharges in Year 8. 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.

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

COS Data Assessment/Collection:
During Year 8, the COS issued 3 new construction site grading permit and required an E&SCP and a Stormwater Control Plan (SWCP) but not a Stormwater Pollution Prevention Plan (SWPPP). The COS also continued to inspect the2 of the 3 active construction sites inspections monthly during active construction and will conduct following active construction inspections as applicable until the project is closed.

One of the 3 construction sites has had no soil disturbance with the anticipated construction start date to begin September 2021.There were 2 site investigations associated with Sediment related discharges from a construction site that was issued a building permit and not a grading permit lot as it was part of a previous development that was approved in 2008. The building inspector issued a copy of the Construction Industry's Guide to BMPs and followed up with the Construction Contractor.

In Year 9, the COS will continue to monitor the erosion and sediment control measures at each of these construction sites and will continue to work with construction contractors to resolve any corrective actions and/or discrepancies found during the inspection. The City will 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.

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

COS Data Assessment/Collection:
During Year 8, 2 out of 4 construction sites received discretionary approval after March 6, 2014. One of the 4 received Ministerial Approval on July 13, 2020; and 1 was a Capital Improvement Project (CIP) that and did not need discretionary or ministerial approval. Three of the 4 construction projects required to develop a SWCP to comply with PCR

Measures; and 1 project is considered unregulated per PCRs section B.1.a as it was too small (less than 2,500 SF). All 4 construction sites have or will be implementing LID measures. The project status of the 4 construction sites are as follows: No Soil Disturbance-1, Active Construction-2 and Closed-1.

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

COS Data Assessment/Collection:
During Year 8, the COS Street Sweeping Maintenance Contractor continues 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, the COS minimized Sediment from the entering the storm drain conveyance system to comply with the NPDES Phase II MS4 General Permit.

On May 26, 2021, COS requested that Street Sweeping Maintenance Contractor to perform an extra sweep on Old Mission Drive due to excess sediment/debris accumulation within the gutters from the properties above the current construction project along this road, and to ensure that street sweeping on this road is added to its regular Wednesday schedule (1st and 3rd) Wednesday of the Month).

The COS continued the implementation of the Storm Drain System 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 210 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 approximately 75 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.

On February 4, 2021, the COS sent a Notification Letter to the Central Coast RWQCB of 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.
Note: * = Correction. The cost of Sampling 3 Events is approximately $2,300/year (total~7,000 spilt amongst partners with County taking 2 portions). The Amount of Equivalent Funds for COS to allocate toward cleanup/abatement is $1166/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. The cleanup/abatement work for Outfall 20 and 21 was completed on August 25, 2021 with the estimated removal of 5 cubic yards of sediment.

Water Quality Monitoring (CASQA Outcome Level 5)

The COS continues to participate in the Santa Barbara County Public Works Department's regional water quality monitoring program. The draft Urban Storm Water Monitoring Plan (titled Receiving Water Monitoring Plan) FY 2015-2018 was submitted to Region 3 Water Board 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 Urban Storm Water Monitoring Plan, 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 Urban Stormwater Monitoring Plan (USWMP) and the Quality Assurance Plan (QAPP). Monitoring was initiated during Year 3 and results was reported as part of the Year 3 and subsequent Annual Reports.

The results of the USWMP provided a land use-based prioritization and reduction (LPRM) model 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 event mean concentrations (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 requires the submission of the following reports that document progress on key activities relating to completing spatially based stormwater volume and pollutant loading estimates;

- 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 requirement 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 along 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 Cities 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.

On February 4, 2021, the COS sent a Notification Letter to the Central Coast RWQCB of 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. Note: * = Correction. The cost of Sampling 3 Events is approximately $2,300/year (total~7,000 spilt 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. The cleanup/abatement work for Outfall 20 and 21 was completed on August 25, 2021 with the estimated removal of 5 cubic yards of sediment.

3. Short- and Long-Term Program Effectiveness:

During Year 8, the COS was determined to maintain its two short term goals during the COVID-19 Outbreak: (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. On February 4, 2021, the COS notified the CCRWQCB that the City was making a temporary adjustment to the stormwater program and would postpone 303(d) Monitoring Program sampling activities and in lieu of sampling conducted cleanup/abatement of sediment accumulation within 3 Outfalls.

The COS maintain its long-term goal of the effectiveness assessment program to reduce pollutants from the MS4 to the maximum extent practicable. By applying Best Management Practices that are 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 to prevent pollutants from entering storm water run-off. The COS recognizes that this is a dynamic process and may require changes over time as we gain experience and as new science and technologies become available.

Report Summary Text File - Auto-generated by SMARTS on 10/04/2021 15:09:03

Name of Report: Phase II Small MS4 Annual Report - Traditionals 2020 - 2021 Annual

Certifier Name: Rose Hess
Certifier Title: Director of Public Works
Certifier Password Hash: 19956134760bfa28c54ec868cffce12a54ab8a5032cd6d7f99c457e618c6594c

Certifier User Account ID: 626600
Certification Computer IP: 198.143.34.9
Certification Executed On:
WARNING - Unable to Retrieve Certifier Details or Confirmation Number

2020-2021

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2020 - 06/30/2021

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 - 2020-2021

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 - 2020-2021

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 qualilfied 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 threre 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: 10/04/2021**

Phase II Small MS4 Annual - Report - 2020-2021

ATTACHMENTS

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
2020-2021 PCRs Annual Report-Buellton	2020-2021 PCRs Annual Report-Buellton	2021-09-24 12:26:56.0	Supporting Documentation	6c6a9c971c3af3974fe6d94b122ad1c2f9b95a267353441ae3721bf955	1/1
PCRs Annual Report [2020-2021]-Long-Term Operation and Maintenance-Buellton	PCRs Annual Report [2020-2021]-Long-Term Operation and Maintenance-Buellton	2021-09-27 17:53:09.0	Supporting Documentation	f994b27dd21d4c3ce8eef26729c54ee6d32f3e1d92208ae7b8ff4d14c524e96e	1/1
2020-2021 PCRs Annual Report-Solvang	2020-2021 PCRs Annual Report-Solvang	2021-09-24 01:00:29.0	Supporting Documentation	9ec0285e73c56159c831309d9ef19adc4fd89159dc3dae1076187d545f16ed	1/1
PCRs Annual Report [2020-2021]-Long-Term Operation and Maintenance-Solvang	PCRs Annual Report [2020-2021]-Long-Term Operation and Maintenance-Solvang	2021-09-24 01:00:29.0	Supporting Documentation	cd7fc9eb2faa829984dc5a7d1c220c9722e3e8a9a2e0d2cc9342e975298	1/1
PCRs Annual Report [2020-2021]-Performance Req No1 Implementation	PCRs Annual Report [2020-2021]-Performance Req No1 Implementation	2021-09-24 01:00:30.0	Supporting Documentation	a94e0f43d936e2ede89c6114a5ac35ae65a5512c43f44f16fd4943e20b	1/1
2020-2021 PCRs Annual Report-Buellton	2020-2021 PCRs Annual Report-Buellton	2021-09-24 12:30:15.0	Supporting Documentation	6c6a9c971c3af3974fe6d94b122ad1c2f9b95a267353441ae3721bf955	1/1

Central Coast Post-Construction Stormwater Management Requirements (PCRs)

Resolution No. R3-2013-0032

Annual Reporting Form

August 2014 Version

Due Date: By October 15, 2014 and October 15 annually thereafter, 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: 3 42M2000150 - City of Buellton

County: Santa Barbara

SECTION II: REPORTING PERIOD

Reporting Period: 7/1/2020 - 6/30/2021

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 ≥ 2,500 square feet of impervious surface? 0

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)	0
≥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)	0
≥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		0

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 ALL Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls were implemented in accordance with PCRs
Only No. 1	0	N/A	0	0
Only Nos. 1 and 2	0	0	0	0
Only Nos. 1, 2, and 3	0	0	0	0
Only Nos. 1, 2, 3, and 4	0	0		0
Total	0	0	0	0

* 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

	Alternative Compliance type (Select all that apply)								
Names of Projects that received completion documentation during the Reporting Period and the Permittee granted Special Circumstances and/or Alternative Compliance	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	**If technical infeasibility is rationale for Alternative Compliance, does Project's Stormwater Control Plan adequately demonstrate basis for infeasibility?**
0	☐	☐	☐	☐	☐	☐	☐	☐	N/A

SECTION V: CONTINUED ...

To add another Project, click 'Add Row'

Add Row | Delete Row

	Alternative Compliance type (Select all that apply)								
Names of Projects that received completion documentation during the Reporting Period and the Permittee granted Special Circumstances and/or Alternative Compliance	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	**If technical infeasibility is rationale for Alternative Compliance, does Project's Stormwater Control Plan adequately demonstrate basis for infeasibility?**
0	☐	☐	☐	☐	☐	☐	☐	☐	N/A

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?

- 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) of the structural Stormwater Control Measure Operation and Maintenance database that shows all entries from the Reporting Period (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 BUELLTON
POST-CONSTRUCTION MANAGEMENT REQUIREMENTS FOR DEVELOPMENT PROJECTS IN THE CENTRAL COAST REGION
RESOLUTION NO. R3-2013-0032
Section E Operation and Maintenance for Structural Stormwater Control Measures (SCM)

Project Name	Project Number (City # / MNS # / TetraTech #)	Project Address / Location	SCM ID Number	SCM Type (List Applicable Codes*)	SCM Description (DMA#)	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	Phone Number			
Hampton Inn	14-FDP-01 / CIBUE.140183.00	600 McMurrary Road, Buellton, CA 93427	PR4: Peak Management	SDRR2,SDRR3, WQT2, RR1, RR8, RR9, PM1	**(1) Direct Infiltration -** Retention/Detention Basin (SCM-1) **DMAs Drain to SCM** Concrete or Asphalt (IMP-1-Overflow, IMP-4, IMP-6, IMP-7) Roof (Roof-1, Roof-2, Roof-3, Roof-4, Roof-5, Roof-6, Roof-7) **(2) Self-Treating Areas -** Landscape Area (LS-1, LS-2, LS-3, LS-4, LS-5, LS-6, LS-7, LS-8, LS-9, LS-10, LS-11, LS-12, LS-13, LS-14, LS-15, LS-16, LS-17, LS-18, LS-19, LS-20) **(3) Self-Retaining Areas -** Landscape Area (DMA SR-1, DMA SR-2, DMA SR 3, DMA SR-4, DMA SR-5) **DMAs Drain to Self-Retaining Areas** Concrete or Asphalt (IMP-1 to SR1, IMP-2 to SR-1, IMP-3 to SR-4, IMP-5 to SR-3, IMP-8 to SR-1)	5/4/18	Initial 8/17/17; Follow-up: 4/9/18, 4/25/18, 5/18/18	6/16/17	7/28/16	Plan: Hard Copy-MNS Engineer Project File & Electronic Copy -MNS Engineer Electronic File and City of Buellton PWD Electronic File	James Flagg, Ocean Park Hotel BLT LLC	(805) 544-0800	Private	3/17/21	No
Tilton Engineering	14-FDP-04 / CIBUE.150087	890 McMurray Road, Buellton, CA 93427	PR4: Peak Management	SDRR2, SDRR4, WQT1, RR1, RR8, RR9, PM1	**(1) Direct Infiltration -** Stormtech Chamber MC-3500 (Underground Storage 1 & 2) **DMAs Drain to SCM** Concrete and Asphalt (Parking South, Parking North, Sidewalk South, Sidewalk North) Crushed Aggregate (Gravel South, Gravel North, Existing Concrete) **(2) Self-Retaining Areas -** Landscape Area (Landscape 12, Landscape 13, Landscape 14, Landscape 15, Landscape 16, Landscape 17) **DMAs Drain to Self-Retaining Areas** Concrete or Asphalt (Sidewalk Corner to Landscape 12, Sidewalk West to Landscape 14)	11/2/16	11/28/16	12/28/16	8/31/16	Plan: Hard Copy-MNS Engineer Project File & Electronic Copy -MNS Engineer Electronic File and City of Buellton PWD Electronic File	Todd Cooper-Tilton Engineering, Inc.	(805) 688-2353	Private	10/31/17, 3/6/19, 12/14/20	No
Fig Mountain Brewery Expanison	CIBU.160366	73/75 Industrail Way, Buellton, CA 93427	PR4: Peak Management	SSD2, WQT1, RR1, RR4-RR9, PM1	**(1) Direct Infiltration** - Stormtech Chamber MC-4500 (SCM-1 Underground Storage) **DMAs Drain to SCM** Concrete or Asphalt (P-1, P-2, P-3, TS-2, TS-3, TS-4, CONC 1, CONC 2, L-2) Landscape Area (L-4, L-5) Roof (BLD 1 East Half, BLD West Half and BLD 2 West Half) **(2) Self-Treating Area -** Landscape Area (L-1, L-3, L-6, L-7, L-8, BLD East Half) **(3) Self-Retaining Area -** Crushed Aggregate (Beer 2) Landscape Area (L-15)					Plan: Hard Copy-MNS/Terravant Engineer Project File & Electronic Copy -MNS Engineer Electronic File and City of Buellton PWD Electronic File	Jamie Dientenhofer	(805) 694-2252	Private		
270 Industrial Way	80000 / 200-155059-17001-07	270 IndustrialWay, Buellton, CA 93427	PR2: Water Quality Treatment	WQT1, RR1, RR4-RR9, PM1	**(1) Direct Infiltration -** Stormtech Chamber SC-160 (Underground Storage 1 & 2) **DMAs Drain to SCM** Concrete and Asphalt (AC P-1, ACP-2, ACP-3, C-2, C-3 & C-4) **(2) Self-Treating Areas -** Landscape Area (L-2 & L-3)	9/27/18	5/20/18 and 9/27/18	10/29/18	10/29/18	Plan: Hard Copy-Tetratech Engineer Project File & Electronic Copy - Teratech Engineer Electronic File and City of Buellton PWD Electronic File	John Peterson	(805) 331-5932	Private	4/20/20, 12/3/20	No
Buellton 5 Acre Building (aka The Network)	90044 / 155059-1701-08	Industrial Way, Buellton, CA 93427	PR4: Peak Management	SDRR2, WQT1 RR1, RR8, RR9, PM1	**(1) Direct Infiltration -** Existing Detention Basin (SCM-1) **DMA's Drain to SCM** Concrete and Asphalt (DMA 1, DMA 5, DMA 12, DMA 27) Roof (DMA 6, DMA 7, DMA 8, DMA 9, DMA 11) **(2) Self-Retaining** Landscaping Area (DMA 2, DMA 3, DMA 4, DMA 10, DMA 13, DMA 14, DMA 15, DMA 16, DMA 17, DMA 18, DMA 19, DMA 20, DMA 21, DMA 22, DMA 23, DMA 24, DMA 25, DMA 26, DMA 28)					Plan: Hard Copy-Tetratech Engineer Project File & Electronic Copy - Teratech Engineer Electronic File and City of Buellton PWD Electronic File	Gavin Moores	(805) 692-2006	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.

Central Coast Post-Construction Stormwater Management Requirements (PCRs)

Resolution No. R3-2013-0032

Annual Reporting Form

August 2014 Version

Due Date: By October 15, 2014 and October 15 annually thereafter, 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: 3 42M2000036 - City of Solvang

County: Santa Barbara

SECTION II: REPORTING PERIOD

Reporting Period: 7/1/2020 - 6/30/2021

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 ≥ 2,500 square feet of impervious surface? 2

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)	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)	0
≥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	1
Total		2

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 ALL 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		0		
Only Nos. 1, 2, and 3			0	
Only Nos. 1, 2, 3, and 4	1	1	1	1
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.

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

	Alternative Compliance type (Select all that apply)								
Names of Projects that received completion documentation during the Reporting Period and the Permittee granted Special Circumstances and/or Alternative Compliance	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	**If technical infeasibility is rationale for Alternative Compliance, does Project's Stormwater Control Plan adequately demonstrate basis for infeasibility?**
	☐	☐	☐	☐	☐	☐	☐	☐	N/A

SECTION V: CONTINUED ...

To add another Project, click 'Add Row'

Add Row | Delete Row

	Alternative Compliance type (Select all that apply)								
Names of Projects that received completion documentation during the Reporting Period and the Permittee granted Special Circumstances and/or Alternative Compliance	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	**If technical infeasibility is rationale for Alternative Compliance, does Project's Stormwater Control Plan adequately demonstrate basis for infeasibility?**
	☐	☐	☐	☐	☐	☐	☐	☐	N/A

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?

- 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) of the structural Stormwater Control Measure Operation and Maintenance database that shows all entries from the Reporting Period (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 Stormwater Control Measures (SCM)

Project Name	Project Number (City #)	Project Address / Location	SCM ID Number	SCM Type (List Applicable Codes*)	SCM 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	Phone Number			
The Merkantile	PW 083	1980-1992 Old Mission Road, Solvang, CA 93463	PR4: Peak Management	SDRR2, SDRR4, SDRR5, WQT1, 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, 26, 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 Asphalt (DMA 24 to DMA 38, DMA 25 to DMA 39)	7/10/20	6/24/20	8/30/20	3/30/20	Refer to SWCP	Joshua Richman	(805) 350-1791	Private		
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	N/A	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	5/21/21	N/A	N/A - Tier 1 Project	City of Solvang	(805) 688-5575	City	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-B, SCM 2-B, SCM 3-B) **(4) Self-Retaining Areas** (1-SR) **(5) Self-Retaining Areas** (2-SR) **(6) Self-Retaining Areas** (3-SR) **(7) Direct Self-Retaining Areas** (4-SR)				7/12/21	MNS Electronic File	Jake Rodriguez	(307) 200-9242	Private		
539 Alisal Road	PW 114	539 Alisal Road, Solvang, CA 93463	PR2: Water Quality Treatment	SDRR1, SDRR2, SDRR4, SDRR5, WQT2	**(1) Bioretention Basin** (SCM- 1) DMAs Drain to SCM Roof (DMA1) , Concrete/Asphalt (DMA 3 and DMA 4) **(2) Bioretention Basin** (SCM-2) DMAs Drain to SCM Roof (DMA 2), Concrete/Asphalt (DMA 5) **(3) Self-Retaining Areas** - Pervious Pavers (DMA 6) **(4) Self-Treating Areas** - Landscape Areas (DMA 7, DMA 8, DMA 9)				8/9/21	MNS Electronic File	Jake Rodriguez	(307) 200-9242	Private		
Solvang Festival Theaterfest	PW 162	433 Second Street Solvang, CA 93463	PR1: Site Design and Runoff Reduction	SDRR5	**(1) Direct Infiltration** - Permable Pavement				N/A	N/A - Tier 1 Project	Solvang Festival Theater (Executive Director)	(805) 686-1789	Private	N/A	
670 Alamo Pintado Rd	PW 168	670 Alamo Pintado Road, Solvang, CA 93463	PR3: Runoff Retention												
1546 Copenhagen Driv -3 Vacation Rentals		1546 Copenhagen Drive, Solvang, CA 93463	PR1: Site Design and Runoff Reduction												

***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 Projects[1]. 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

[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

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

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

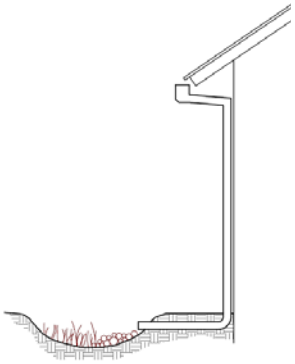
[Complete all fields]

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)	❑ 1. Disperse runoff from roofs or pavement to vegetated area ❑ 2. Permeable pavement ❑ 3. Cisterns or Rain Barrels ❑ 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 vegetated areas further away. Paved areas can be designed with curb cuts, or without curbs, to direct flow into surrounding vegetation.



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.

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 enough 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:_____

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 standardsare 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 1/8 inch gaps between the pavers. Joints are filled with an open-grade 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.

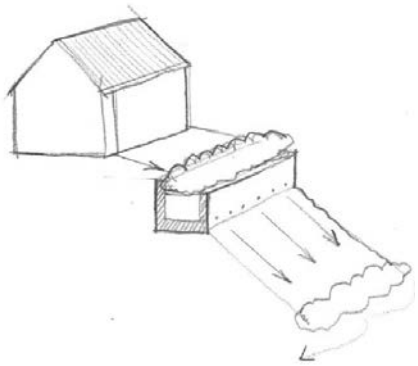
Confirm the following standards are met:

- ❑ 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 ½-inch to ¼-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*.



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

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 perm[illegible] (Caltrans specification 68-2.02(F)(3) drainage layer 12" deep.
- ❑ No filter fabr[illegible]
- ❑ Perforated pipe (PVC SDR 35 or approved equivalent) underdrain[illegible]
- ❑ 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:_____

Sample

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

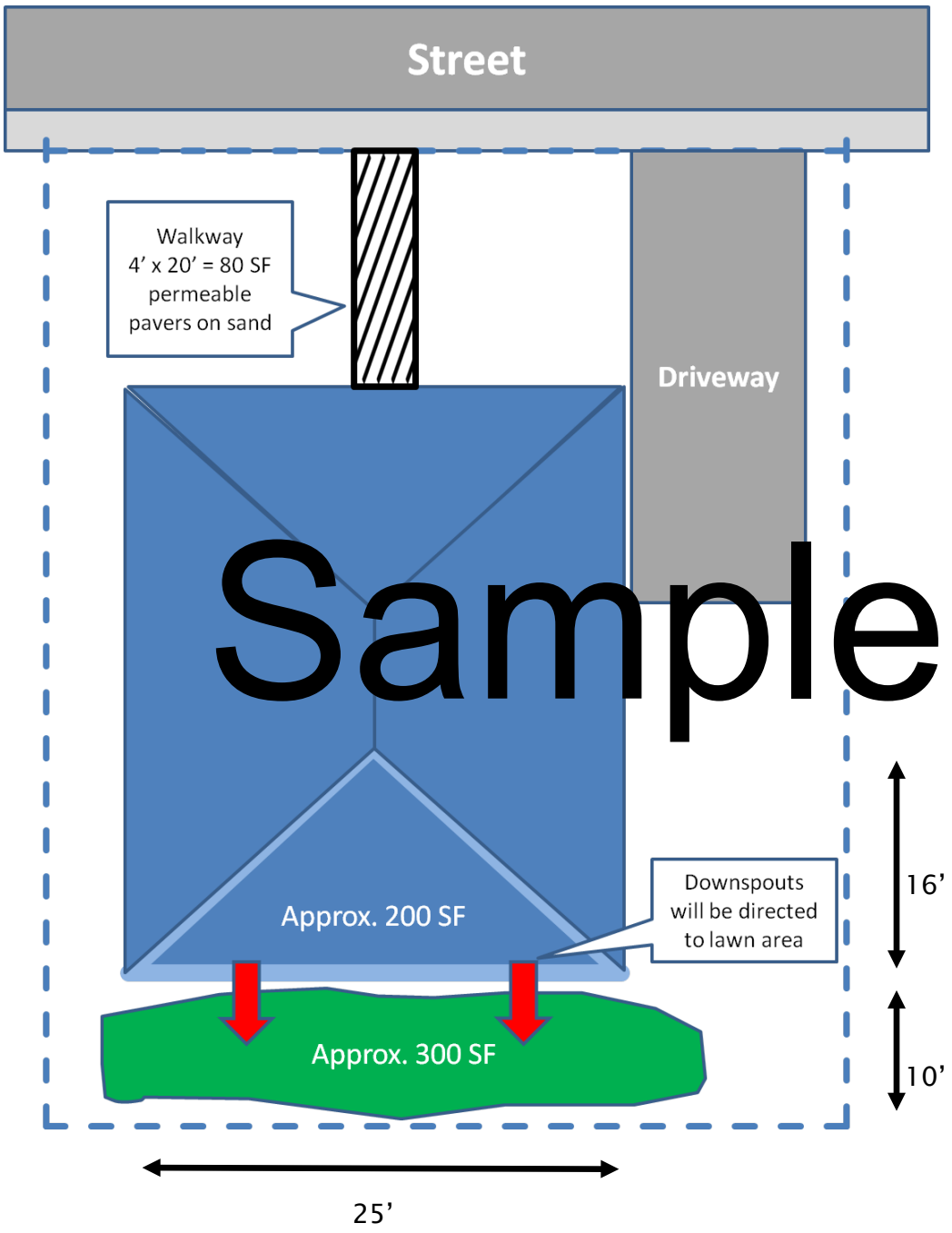
Specifier's Guide for Pervious Concrete, Colorado Ready Mixed Concrete Association. www.crmca.org
Interlocking Concrete Pavement Institute
http://www.icpi.org/

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 10/04/2021 15:09:05

Name of Report: Central Coast Post-Construction Stormwater Requirements Annual Reporting 2019 - 2020 Annual

Certifier Name: Rose Hess
Certifier Title: Director of Public Works
Certifier Password Hash: 19956134760bfa28c54ec868cffce12a54ab8a5032cd6d7f99c457e618c6594c

Certifier User Account ID: 626600
Certification Computer IP: 198.143.34.9
Certification Executed On:
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