

2018-2019

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2018 - 06/30/2019

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Permittee Information

City of Buellton

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Phase II Small MS4 Annual - Report - 2018-2019
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 - 6) (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 - 6) 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)? (pgs. 20-22, 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.? (page 22, 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), page 22). (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)? (pgs. 22-24, Year 3); OR Implemented the Enforcement Response Plan as specified in Section E.6.c.(ii)(a-f)? (Years 4-6) 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, page 25.) (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)? (pgs. 25-27, Year 2); OR Continued implementation of storm water public education and outreach program as specified by section E.7.a.(ii)(a - m)? (pgs. 25-27, Year 3-6) 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, page26) (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), page 27) (Year 3); OR Continued to implement the training program for all appropriate staff? (Years 4-6) 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), page 28 (Years 2-6) 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), (page 29, Year 3); OR Continued to distribute educational materials? (Years 4-6) 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), page 29) (Years 3-6) 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), pages 29-30 (Years 2-6) 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 2-6) If 'No', please provide a brief explanation.	Yes				
null	ILLCIT DISCHARGE DETECTION AND ELIMINATION					
15	Created and/or maintained outfall map? (E.9.a., page 31) (Years 2-6) 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), page 31) (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), page 31) (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), pages 31 -32. (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), page 32) (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), page 32) (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., page 32) (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), page 32) (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), page 33) (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), page 33) (Year 2) Attached copies of the notification of non-filers to the Regional Water Board (E.9.b(ii)(c)page 33) (Year 2) If 'No', please provide a brief explanation.	N/A				
25	Updated the inventory annually? (E.9.b(ii)(d), page 33) (Years 2-6) 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), page 33) (Year 2) OR Implemented the procedures established per E.9.b.(ii).(e).? (Years 3-6) 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., page 31)? (E.9.c., page 34) (Year 2) If 'No', please provide a brief explanation.	N/A				
28	Conducted monitoring for the parameters listed in Table 1 (page 34), or for parameters selected by Permittee based on local knowledge of pollutants of concern in priority areas? (E.9.c(ii)(a), page 34) (Years 2-6) 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 the City of Solvang adds Fluoride to their water system; therefore, the outfall samples collected are not sampled for this indicator parameter. The Tailored Parameter Justification/Modifications Buellton and Solvang Transmittal (Email Dated 10/6/17) - IDDE Sampling Chlorine was uploaded as an attachment to the Phase II Small MS4 Annual Report - Traditional 2016 - 2017 Annual submittal as requested by the CCRWQCB. Per CCRWQCB, no additional upload is necessary.		

29	Verified that indicator parameter action levels in Table 2 (page 35), or tailored parameter action levels were not exceeded? (E.9.c.(ii)(b), page 35) (Years 2-6) 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 the City of Solvang adds Fluoride to their water system; therefore, the outfall samples collected are not sampled for this indicator parameter. The Tailored Parameter Justification/Modifications Buellton and Solvang Transmittal (Email Dated 10/6/17) - IDDE Sampling Chlorine was uploaded as an attachment to the Phase II Small MS4 Annual Report - Traditional 2016 - 2017 Annual submittal as requested by the CCRWQCB. Per CCRWQCB, no additional upload is necessary.		
30	Conducted follow-up investigations per Section E.9.d. if the action level concentrations were exceeded? (E.9.c(ii)(c) , page 35) (Years 2-6) 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), page 36) (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), page 36) (Years 2-6) If 'No', please provide a brief explanation.	No		N/A. 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), page 36) (Years 2-6) If 'No', please provide a brief explanation.	Yes				
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), page 36) (Years 2-6) If 'No', please provide a brief explanation.	NA		Neither the City of Buellton nor the City of Solvang had any flows believed to be an immediate threat to human health or the environment requiring notification to local Health Department. The City of Buellton continues to notify Central Coast Regional Water Quality Control Board of the continued non-stormwater discharge from the agricultural land outside the City limits.		
35	Determined and documented through investigations the source of all non-storm water discharges? (E.9.d.(ii)(d), page 36) (Years 2-6) 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), page 36. (Years 2-6) If 'No', please provide a brief explanation.	Yes				
37	Developed and began implementing a spill response plan? (E.9.e., page 36) (Year 1); OR Continued to implement a spill response plan (Years 2-6) 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., page 37) (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., page 37) (Years 1-6) 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., page 38) (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, page 39). (Years 2-6) 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), page 39) (Years 2-6) 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), page 39) (Years 2-6) 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), page 39) (Years 2-6) 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), page 39) (Years 2-6) 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), page 40. (Years 2-6) 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., page 41) (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., page 41. (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), page 42-43)? (Year 4) Continued to implement SWPPPs for hotspots? (Years 5-6) If 'No', please provide a brief explanation.	No		<p>No. The City of Buellton conducted a Hotspot Site Investigation on 2 "Confirmed" Hotspots (WWTP and Post Office) during the facility assessments. All stormwater runoff is contained on site at each of the "Confirmed" Hotspots. The City did not develop and implement a SWPPP for the WWTP but has developed and implemented a Hazardous Materials Consolidated Emergency Response/Contingency Plan for the WWTP site; and reclassified the Post Office to a Non-Hotspot due to discussions with the Post Office as their operations are under federal regulation. Note: There were no "Severe" Hotspots identified during the Hotspot Site Investigations.</p> <p>N/A. The City of Solvang conducted a Hotspot Site Investigation on each City owned or operated facility and did not find a "Severe" or "Confirmed" Hotspot during the facility assessments that would require the development and implementation of a SWPPP.</p>		
50	Conducted quarterly visual inspection of hotspots and hotspot discharge locations? (E.11.e.(ii)(a and c), page 43) (Years 5-6) If 'No', please provide a brief explanation.	No		<p>No. The City of Buellton did perform the quarterly visual inspections of "confirmed" hotspots but did not perform the quarterly hotspot visual observation of stormwater and non-stormwater discharges as all stormwater is contained onsite. All inspection reports/records are either maintained electronically or hard copy within the records for each SWMP reporting year.</p> <p>N/A. The City of Solvang 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.</p>		
51	Conducted annual comprehensive hotspot inspection? (E.11.e(ii)(b), page 43) (Years 5-6) If 'No', please provide a brief explanation.	Yes				
52	Inspected each inventoried facility that is not a hotspot once during permit term? (E.11.e(ii)(d), page 44) (Years 5-6) If 'No', please provide a brief explanation.	Yes				

53	Implemented procedures to assess and prioritize maintenance of storm drain system infrastructure and assigned a high priority to each catch basin meeting any of the criteria listed in section E.11.f(ii)(1-6), page 44? (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), page 45? (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), page 44. (E.11.g.(ii)(a), page 45). (Year 3); OR Continued to implement the strategy to inspect storm drain systems? (Years 4-6) 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), page 45) (Year 3); OR Continued to implement a schedule to clean high priority catch basins? (Years 4-6) 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), page 45) (Years 3-6) If 'No', please provide a brief explanation.	Yes				
58	Reviewed and maintained high priority facilities and removed trash and debris from high priority areas prior to the rainy season? (E.11.g.(ii)(d), page 45). (Years 3-6) If 'No', please provide a brief explanation.	Yes				
59	Developed and maintained a procedure to dewater and dispose of materials extracted from catch basins that ensures that water removed during the catch basin cleaning process and waste material will not reenter the MS4? (E.11.g.(ii)(e), page 45). (Year 3) Continued to implement a procedure to dewater and dispose of materials extracted from catch basins? (Years 4-6) 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), page 45-46? (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), page 46, to assess O & M activities and subsequently developed applicable BMPs? (E.11.h(ii)(a), page 46) (Year 3); OR Continued to implement a program to assess O&M activities? (Years 4-6) 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), page 46) (Years 3-6) 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), page 46) (Year 3); OR Continued to implement identified BMPs for O&M activities? (Years 4-6) If 'No', please provide a brief explanation.	Yes				
64	Evaluated all BMPs implemented during O&M activities quarterly? (E.11.h(ii)(d), page 46) (Years 3-6) If 'No', please provide a brief explanation.	No		The O&M activities assessment program was implemented during Year 6. O&M activities assessment inspection forms were not received for each quarter.		
65	Developed and implemented a process for incorporating water quality and habitat enhancement into new and rehabilitated flood management projects? (E.11.i, page 46-47) (Year 3); OR Continued to implement the process for incorporating water quality enhancement into flood management projects? (Years 4-6) If 'No', please provide a brief explanation.	Yes		N/A. 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., page 47) (Years 2-6) 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), page 47) (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), page 47-48)? (Years 2-6) If 'No', please provide a brief explanation.	Yes				
69	Implemented educational activities for municipal applicators and distributors? (E.11.j(ii)(b)(1), page 47) (Years 2-6) 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), page 47? (Years 2-6) 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), page 48)(Years 2-6) 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), page 48), (Years 2-6) 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), page 48) (Years 2-6) 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., page 48) (Years 2-6) 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., page 48-49) (Years 2-6) 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., pages 49 -51) (Years 2-6) 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., page 51-52) (Years 2-6) 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., page 53. (E.12.e., page 52-56)? (Years 2-6) 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? (pgs. 56 - 57, Year 3); OR Continued to implement hydromodification management procedures for Regulated Projects? (Years 4-6) 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., page 58) (Years 3-6) 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), page 58-60? (Years 2-6) 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., page 60) (Years 3-6) 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), page 60-61? (Year 3); OR Continued to implement plan to inventory, map and assessment of maintenance condition of post-construction BMPs? (Years 4-6) 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), page 61) (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), page 61) (Years 2-6) 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 Cities are considering future opportunities to improve that were identified during the analysis and/or adopt a new ordinance to align with the Department of Water Resource's Model Water Efficient Landscape Ordinance (MWELO).		
86	Implemented post-construction storm water management requirements based on a watershed-process approach as specified by section E.12.k, page 62? (Years 1 - 6)	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.I., page 62? (Years 1 - 6)	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 - 6) Upload the Monitoring Study Results if monitoring was completed in 2018/2019.			Refer to Attached 303(d) Monitoring Program Summary and Results.		
null	PROGRAM EFFECTIVENESS ASSESSMENT					
94	Developed and implemented a Program Effectiveness Assessment and Improvement Plan (PEAIP) that includes the minimum requirements listed in section E.14.a(ii)(a-f), page 70-72)? (Year 2) Continued to implement the PEAIP? (Years 3-6) 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 on page 72 of the permit. Upload as an attachment. (Years 3 - 6) {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), page 72-73) (Year 5) If 'No', please provide a brief explanation. If 'yes', upload required PEAIIP as attachment. {required if 'Yes'}	NA				
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), page 74 of permit? (Years 1-6) {required if 'Yes'} If 'No', please provide a brief explanation.	NA		Although the Santa Ynez River is a 303(d) impaired water body, it was not identified within "Phase II Permit Traditional Small MS4 Attachment G-Region Specific Requirements" that outlines Regional Water Board Approved TMDLs.		
null	ADDITIONAL INFORMATION					
98	Optional: If you have any additional information, reports or attachments that you would like to provide to describe your storm water program please use the text box and/or the upload attachment button below. (Years 1 - 6)					

Phase II Small MS4 Annual - Report - 2018-2019
CERTIFICATION

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

Name: Rose Hess	Title: Director of Public Works	Date: 10/14/2019
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Phase II Small MS4 Annual - Report - 2018-2019
ATTACHMENTS

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
303(d) Monitoring Program Results FY2018-2019	303(d) Monitoring Program Results FY2018-2019	2019-10-11 14:53:51.0	Supporting Documentation	1791fafe67954377c191c724e59f42124e267c98ffa2dd5cccf793794446a96	1/1
PEAIP Annual Summary-FY2018-2019-Buellton and Solvang	PEAIP Annual Summary-FY2018-2019-Buellton and Solvang	2019-10-14 11:09:59.0	Supporting Documentation	42de348cdaa107b58fe21acc2d7736e0cfeaf740eb3680c1ebd320ce54c589	1/1

Report_Summary

Report Summary Text File - Auto-generated by SMARTS on 10/14/2019 12:04:22

Name of Report: Phase II Small MS4 Annual Report - Traditionals 2018 - 2019 Annual

Certifier Name: Rose Hess

Certifier Title: Director of Public Works

Certifier Password Hash:

b322eb3eb17b39568453529cb56b9a9b74ab3673dec5636b82e6c80c33614b56

Certifier User Account ID: 626600

Certification Computer IP: 198.143.33.5

Certification Executed On:

WARNING - Unable to Retrieve Certifier Details or Confirmation Number



**County of Santa Barbara Public Works Department
Project Clean Water**

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www.sbprojectcleanwater.org



SCOTT D. MCGOLPIN
Director

THOMAS D. FAYRAM
Deputy Director

Memorandum

Date: October 11, 2019

To: 303(d) Monitoring Partner Agencies:
Erin Maker, City of Carpinteria
Andrea Dransfield, Dudek representing City of Goleta
Bridget Elliot, City of Solvang
Rose Hess, City of Buellton
Mary Zepeda, MNS representing Buellton and Solvang

From: Cathleen Garnand, County of Santa Barbara

Subject: Transmittal of 303(d) Monitoring Program Results, 2018-2019

The following summary and supporting documents describe implementation of the fourth year of the 303(d) monitoring effort.

Background

In accordance with the NPDES California Phase II General Municipal MS4 Permit section E.13.c requirements, the County, along with partner cities of Carpinteria, Goleta, Solvang, and Buellton, implemented a storm water quality monitoring program. This program, consisting of a Monitoring Plan and QAPP, was approved by the Central Coast Regional Water Quality Control Board in their letter dated March 4, 2016.

The storm water quality monitoring is intended to address the requirements of E.13.c and also to inform the Program Effectiveness Assessment and Improvement Plan of E.14.a. by focusing on wet weather runoff from specific urban land use areas and applying that data to the LPR Model.

The first three years of sampling data were analyzed and summarized in the Urban Stormwater Monitoring Report (Geosyntec, Sept 2018). Recommendations from the report that were implemented in this 2018-2019 sampling year include:

- Continue monitoring to obtain robust datasets to replace values used in the LPR Model

303(d) Monitoring Results

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- Discontinue pesticides that were not detected in the first three years of the program: carbamates and urea pesticides, diuron and degradates, and neonicotinoids
- Discontinue toxicity as it does not correlate with measured constituents (e.g. pesticides, metals, and nutrient detections) and does not provide substantial insight into the characterization of stormwater discharges.

Summary

During the reporting period of Jul 1, 2018 – Jun 30, 2019, three separate wet weather events were monitored at the six unique sampling sites. These include:

	Date	Rainfall (in)	Location	Land Use Type
1.	Nov 29	1.29	Solvang	Residential
2.	Jan 05	1.50	Goleta	Commercial
3.	Jan 05	1.50	Goleta	Industrial
4.	Jan 15	0.67	Carpinteria	Urban Agriculture
5.	Jan 15	0.67	Carpinteria	Residential
6.	Jan 15	0.71	Buellton	Industrial

The Sampling Log (Attachment 1) describes the storm events that were tracked throughout the year. The log includes details on forecasts, events that were considered but not monitored, and events that we attempted to monitor but had to abort for reasons such as lack of sufficient runoff or lab closures.

The lab results are summarized in Attachment 2.

Thresholds and standards do not exist for many of the parameters analyzed. Those that do have comparative benchmarks are listed in Attachment 3. Results that are noteworthy for discussion include:

Copper, Dissolved (10 ug/l)

Site: Carpinteria Urban Agriculture (13 ug/l)

Possible sources include pesticides and fungicides (anti-fouling coatings), automotive brake pads, and metal and electrical manufacturing.

Cyfluthrin (12.5 ng/l)

Site: Solvang Residential (21 ng/l)

Pyrethroid insecticide used for structural pest control and livestock operations.

Total Nitrogen (0.38 mg/l)

Solvang Residential (1.3 mg/l)

Goleta Commercial (1.1 mg/l)

Goleta Industrial (2.8 mg/l)

Carpinteria Urban Agriculture (15 mg/l)

Buellton Industrial (sample was outside hold time and not analyzed for this constituent)

Sources include fertilizer, pet waste, leaf litter/green waste, detergents

303(d) Monitoring Results

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Permethrin (10.6 ng/l)

Sites: Goleta Commercial (33 ng/l)

Buellton Industrial (84 ng/l)

Pyrethroid insecticide used as crop protectant, and for indoor and outdoor residential pest control. Also a common ingredient in lice and scabies treatments.

Phosphorus as P, total (0.02188 mg/l)

Solvang Residential (0.2 mg/l)

Goleta Commercial (0.19 mg/l)

Goleta Industrial (0.61 mg/l)

Carpinteria Urban Agriculture (17 mg/l)

Buellton Industrial (0.2 mg/l)

Sources include fertilizer, pet waste, leaf litter/green waste, detergents

Zinc (4 ug/L)

Solvang Residential (8.5 ug/l)

Goleta Commercial (44 ug/l)

Goleta Industrial (42 ug/l)

Carpinteria Urban Agriculture (230 ug/l)

Buellton Industrial (27 ug/l)

Carpinteria Residential (6.6 ug/l)

Major sources are galvanized surfaces (roofs, gutters, flashing, fencing, guard rails, downspouts and drainage pipes), and wear debris from vehicle tires.

Attachment 1 – Sampling Log for 2018-2019

Rainfall data sources and distance to sampling locations

- Carpinteria: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 208, Carpinteria Fire Station, within 0.75 miles of both Carpinteria sampling locations.
- Goleta: Santa Barbara County Flood Control District Daily Rainfall Record Station 440 Goleta Fire Station, within 1.1 miles of Goleta Commercial and 2 miles of Goleta Industrial.
- Buellton: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 233 Buellton Fire Station #31, 0.50 miles.
- Solvang: Santa Barbara County Flood Control District Official Daily Rainfall Record Station 393 Solvang PW Water, 1.3 miles.

Rainfall amounts noted are per storm not rainfall day (as of 8am for previous 24 hours)

Wed Oct 3

Mild rain all day, not enough intensity for long enough period of time to have runoff for 2 hour sampling window 0.44 inches total for the storm at Goleta Fire Station (70)

Thurs Oct 4

Intense rain over downtown SB and harbor and the Mesa, little rain over sampling locations and too brief to sample

0.05 inches total for the storm at Goleta Fire Station (70)

Friday 12 October

NWS Forecast – Santa Barbara County

Friday & Saturday

Slight chance of light rain late Friday night through Saturday morning (South Coast).

Possibility of isolated thunderstorms

Sunday to Thursday

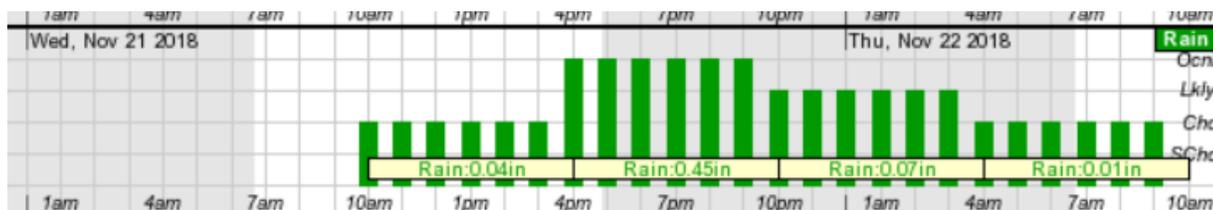
Dry

Due to hold times and staff absence, not watching this storm for sampling

0.01 total for the storm at Goleta Fire Station (70)

20 Nov 2018

Forecast calls for rain starting Wednesday 21 Nov afternoon in SB County south coast. Weck labs will be receiving samples Thanksgiving Day between 6am and 9am, although they may not have an analyst available to run the nitrate and nitrite immediately. Hold times for those are 24 hrs. Called FGL in Santa Paula and Oilfield Environmental and Compliance in SM, both closed Thursday and Friday. No couriers are available for Weck, so if analyst is working, Bree will drive samples directly to lab for arrival at 6am Thursday. Trying for both Goleta sites and maybe Carp residential if the rain lasts long enough. If no analyst at Weck, no sampling for this storm.



303(d) Monitoring Results

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21 Nov 2018

Weck to have analyst available for Friday, so pushing the 48 hour hold time on the nitrate/nitrite for collection on Wed afternoon. Significant rain did not start until ~8pm on Wednesday, decision to call off sampling. Total rain was .79" at Goleta Fire Station

26 Nov 2018 Monday

Storm system bringing moderate rain Wednesday evening through Thursday morning, turning to scattered showers Thursday afternoon.

Expected rainfall of 0.5" to 2.0" (Coast/Valleys), with higher amounts possible in the South-Coast Mountains (up to ~3").

Peak rainfall rates of 0.25"/hr to 0.50"/hr (with rates up to 1"/hr if localized thunderstorms develop)

29 Nov 2018

Solvang sampled, total for storm at Solvang PW Water gauge 1.29"

Rain mostly overnight 28-29 for south coast, not enough intensity during the day 29 for samples

4 Dec 2018

NWS Forecast – Santa Barbara County

Dry thru Tues evening, then light rain

Wednesday & Thursday: Light rain, 0.25" to 1.5", mostly through Wed afternoon, then scattered showers through Thurs evening. Rainfall rates <0.25"/hr

Rain started around 920pm 4 Dec in Goleta, only gentle showers in predawn, so no morning sampling.

Headed out to Goleta sampling locations before 10am, not enough to sample, blue skies breaking through, some mild rain after dark

Total 4 Dec-6 Dec at Goleta Fire Station gauge 0.32"

14 Dec 2018

NWS Forecast – Santa Barbara County

Friday to Sunday: Dry

Light rain Monday morning, then a possibility scattered showers through Monday afternoon (<0.25").

17 Dec 2018

Rain started around 1am, stopped before 5am. Rain again briefly at 9am not enough runoff to sample for two hours, total rain at Goleta Fire Station gauge 0.16"

21 Dec 2018

Slight chance of light rain for 25 Dec

25 Dec 2018

Forecast didn't look good for sampling at last check on 24 Dec. Rain started about 6am 25 Dec, large drops heavy rain. Belyea drove to the office and got the work truck with sampling equipment already loaded, rain had let up on the way out of SB, not raining into Goleta. No rain and blue skies appearing by 7am at site. Some residual flow at outfall persisted. Maybe if on site as first drops started, might have been able to collect 12 samples with residual flow, but would be pushing it.

0.09 inches total rain at Goleta Fire Station gauge.

3 Jan 2019

Forecast for rain Saturday 5 Jan

Saturday & Sunday

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Light to Moderate rainfall, mostly Saturday afternoon through Sunday morning.
Rainfall amounts of 0.5" – 1.0" (Coast/Valleys), and 1.0 – 2.0" (Foothills/Mtns)
Peak rainfall rates of 0.25"/hr to 0.50"/hr
Slight possibility of thunderstorms Saturday night
Any impacts to recent burn areas anticipated to be at minimal "nuisance" levels.

5 Jan 2019

Sampled Goleta Commercial and Goleta Industrial

Arrived at Goleta Commercial site ~240pm, not raining yet. Rain started 250pm large drops. 307pm no flow yet. First sample at 319pm. Outfall area smelled like wet trash at beginning of sampling, odor faded by the fourth sample. Drove to Goleta Industrial, lots of flow in the gutter, no odor. Rain stopped after first two samples, flow was still strong. Condensed sample time to every 8 minutes and finished the site. Lab does not have analysts available on Sunday so may exceed hold times for nitrate and nitrite
Total for Goleta Fire Station 1.50"

6 Jan 2019

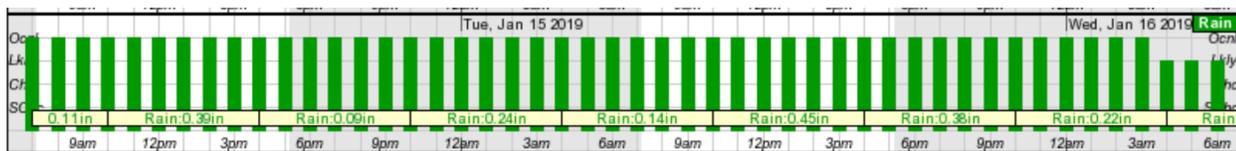
Forecast for second smaller system to arrive Sunday evening with rain falling south of Point Conception after midnight. Rain to linger over LA and Ventura long enough to affect the morning commute. Drove samples to lab in am (7am in Ventura) Rain continued until 7am in Carp. Did not sample.
Total for Carpinteria Fire Station this storm 0.75"

7 Jan 2019

Forecast for Wednesday 9 Jan, rain into southern Santa Barbara County late afternoon.

14 Jan 2019

Moderate rainfall expected starting early morning with accumulations of 1-2 inches.



15 Jan 2019

Moderate to Heavy rain with accumulations of 2-4 inches, possibly greater amounts along South Coast mountains

Three sites sampled

Carpinteria Urban Agriculture

Buellton

Carpinteria Residential

Total at Carp Fire 0.67

Total at Buellton Fire 0.71

First site sampled Carp Urban Agriculture, rain continuing and Garnand available so Belyea to sample Buellton with Zepeda (and then to Orcutt site for TMDL program) and Garnand to sample Carp Residential

Attachment 2 – Lab Results for 2018-2019

303(d) Monitoring Results
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Analyte	29 Nov 2018 Solvang Residential	5 Jan 2019 Goleta Commercial	5 Jan 2019 Goleta Industrial	5 Jan 2019 Goleta Commercial Duplicate	15 Jan 2019 Carpinteria Urban Agriculture	15 Jan 2019 Buellton Industrial	15 Jan 2019 Carpinteria Residential	Units	Water Quality Guidance	Units
1,3-Dimethyl-2-nitrobenzene [sum]	80	94	95	92	108	112	110	%		
Allethrin	ND	ND	ND	ND	ND	ND	ND	ng/l	1.05	ug/l
Aluminum, Dissolved	25	15	18	19	34	31	30	ug/l		
Aluminum, Total	710	670	300	960	550	990	480	ug/l	1000	ug/l
Ammonia as N	0.16	0.16	0.44	0.14	0.29	ND	ND	mg/l		
Azinphos methyl (Guthion)	ND	ND	ND	ND	ND	ND	ND	ng/l	0.08	ug/l
Bifenthrin	7.4	ND	ND	ND	ND	ND	ND	ng/l	800	ug/l
Bolstar	ND	ND	ND	ND	ND	ND	ND	ng/l		
Cadmium, Dissolved	ND	ND	ND	ND	ND	ND	ND	ug/l	1.8	ug/l
Cadmium, Total	0.23	0.16	ND	0.25	ND	ND	ND	ug/l	1.8	ug/l
Calcium, Total	12.4	4.02	5.06	5.36	22.7	4.61	9.36	mg/l		
Chlorpyrifos	ND	ND	ND	ND	ND	ND	ND	ng/l	0.05	ug/l
Copper, Dissolved	4.7	3.5	7.3	4.5	13	1.9	3.8	ug/l	10	ug/l
Copper, Total	7.1	9	9.9	13	15	4.6	5.6	ug/l		
Coumaphos	ND	ND	ND	ND	ND	ND	ND	ng/l	0.037	ug/l
Cyfluthrin	21	ND	ND	ND	ND	ND	ND	ng/l	12.5	ng/l
Cypermethrin	ND	ND	ND	ND	ND	ND	ND	ng/l	210	ng/l
Deltamethrin/Tralomethrin	ND	ND	ND	ND	ND	ND	ND	ng/l	0.055	ug/l
Demeton-o	ND	ND	ND	ND	ND	ND	ND	ng/l		
Demeton-s	ND	ND	ND	ND	ND	ND	ND	ng/l		
Desulfynilfipronil	n/a	ND	ND	ND	ND	ND	ND	ng/l	100	ug/l
Diazinon	ND	ND	ND	ND	ND	ND	ND	ng/l	105	ng/l
Dichloran	ND	ND	ND	ND	ND	ND	ND	ng/l		
Dichlorvos	ND	ND	ND	ND	ND	ND	ND	ng/l	0.035	ug/l
Dimethoate	ND	ND	ND	ND	ND	ND	ND	ng/l	21.5	ug/l
Disulfoton	ND	ND	ND	ND	ND	ND	ND	ng/l	1.95	ug/l
Ethoprop	ND	ND	ND	ND	ND	ND	ND	ng/l	22	ug/l
Ethyl parathion	ND	ND	ND	ND	ND	ND	ND	ng/l		
Fenpropathrin (Danitol)	ND	ND	ND	ND	ND	ND	ND	ng/l	0.265	ug/l
Fensulfothion	ND	ND	ND	ND	ND	ND	ND	ng/l		
Fenthion	ND	ND	ND	ND	ND	ND	ND	ng/l	2.6	ug/l
Fenvalerate/Esfenvalerate	ND	ND	ND	ND	ND	ND	ND	ng/l		
Fipronil	n/a	ND	22	ND	ND	ND	ND	ng/l	0.11	ug/l
Fipronil sulfide	n/a	ND	ND	ND	ND	ND	ND	ng/l		
Fipronil sulfone	n/a	ND	ND	ND	ND	ND	51	ng/l	0.36	ug/l
Hardness as CaCO3, Total	43.2	13.5	16.7	17.9	94.8	16.2	32.9	mg/l	>100 = hard, <100=soft	mg/l CaCO3
Iron, Dissolved	44	ND	33	ND	260	49	27	ug/l	5000	ug/l
Iron, Total	1100	880	430	1200	940	1300	510	ug/l		
L-Cyhalothrin	ND	ND	ND	ND	ND	ND	ND	ng/l	3.5	ng/l
Lead, Dissolved	ND	ND	0.27	ND	0.43	ND	ND	ug/l	50	ug/l
Lead, Total	0.84	1.3	1.3	1.9	2.8	1.4	0.96	ug/l		

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Analyte	29 Nov 2018 Solvang Residential	5 Jan 2019 Goleta Commercial	5 Jan 2019 Goleta Industrial	5 Jan 2019 Goleta Commercial Duplicate	15 Jan 2019 Carpinteria Urban Agriculture	15 Jan 2019 Buellton Industrial	15 Jan 2019 Carpinteria Residential	Units	Water Quality Guidance	Units
Magnesium, Total	2.96	0.831	0.986	1.11	9.29	1.13	2.3	mg/l		
Malathion	ND	ND	16	ND	ND	ND	ND	ng/l	0.1	ug/l
Merphos	ND	ND	ND	ND	ND	ND	ND	ng/l		
Methyl parathion	ND	ND	ND	ND	ND	ND	ND	ng/l	0.485	ug/l
Mevinphos	ND	ND	ND	ND	ND	ND	ND	ng/l		
Naled	ND	31	28	15	ND	ND	ND	ng/l	0.07	ug/l
Nitrate as N	0.54	0.41	0.53	0.51	14	ND	0.54	mg/l		
Nitrite as N	ND	ND	ND	ND	ND	ND	ND	mg/l		
Nitrogen, Total	1.3	1.1	2.8	1.3	15	n/a	0.81	mg/l	0.38	mg/l
NO2+NO3 as N	540	0.41	0.56	0.52	14000	ND	560	mg/l		
o-Phosphate as P	0.32	0.022	0.5	0.02	16	0.12	0.16	mg/l		
o-Phosphate as P, dissolved	320	0.021	0.48	0.021	16000	120	150	mg/l		
Pendimethalin	ND	ND	ND	ND	ND	ND	ND	ng/l	140	ug/l
Permethrin	18	ND	ND	ND	ND	ND	ND	ng/l	10.6	ng/l
Perylene-d12 [surr]	185	66	74	65	74	62	75	%		
Phorate	ND	ND	ND	ND	ND	ND	ND	ng/l	0.3	ug/l
Phosphorus as P, Total	0.2	0.19	0.61	0.26	17	0.2	0.2	mg/l	0.02188	mg/l
Phosphorus, Dissolved	0.34	0.071	0.56	0.066	17	0.078	0.16	mg/l		
Prallethrin	ND	ND	ND	ND	ND	ND	ND	ng/l	3.1	ug/l
Ronnel	ND	ND	ND	ND	ND	ND	ND	ng/l		
Stirophos	ND	ND	ND	ND	ND	ND	ND	ng/l		
Sumithrin (Phenothrin)	ND	ND	ND	ND	ND	ND	ND	ng/l	2.2	ug/l
Tefluthrin	ND	ND	ND	ND	ND	ND	ND	ng/l	0.035	ug/l
TKN	0.73	0.73	2.2	0.82	0.76	ND	0.26	mg/l		
Tokuthion (Prothiofos)	ND	ND	ND	ND	ND	ND	ND	ng/l		
Total Suspended Solids	33	61	20	58	32	25	9	mg/l		
Trichloronate	ND	ND	ND	ND	ND	ND	ND	ng/l		
Triphenyl phosphate [surr]	122	197	195	224	137	140	137	%		
Triphenyl phosphate [surr]	238	154	126	183	89	89	89	%		
Zinc, Dissolved	8.5	44	42	64	230	27	6.6	ug/l	4	ug/l
Zinc, Total	25	120	64	160	250	66	16	ug/l		

Attachment 3 - Water Quality Benchmarks and Thresholds

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

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



City of Buellton and City of Solvang Stormwater Program Effectiveness Assessment and Improvement Plan (PEAIP) Annual Summary 2018-2019

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 6 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 2018 through June 30, 2019.

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 in 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 3-6 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 the 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, b) 2010 303(d) List of Impaired Waterbodies, c) Central Coast Regional Water Quality Control Board (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 PEAIIP, are being implemented as part of the Cities stormwater program, and where applicable, corresponding data was collected and analyzed at the close of Permit Year 6 in order to assess program effectiveness and identify opportunities for program improvement.

2. Data Summary – Program Assessment

In accordance to the NPDES Phase II MS4 General Permit's Section E.7, both the COB and COS have developed and implemented 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 Cities education and outreach campaign 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 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.

On each of the City's stormwater website, an online survey was conducted to assess the public's knowledge on their Stormwater Management Program (SWMP). Based on the lack of participation in the online survey received for Year 2 (4 Responses COB; 10 Responses COS), Year 3 (5 Responses COB; 6 Responses COS), Year 4 (2 Responses COB; 2 Responses COS), Year 5 (1 Response COB; 0 Responses COS), Year 6 (5 Response COB; 0 Response COS) the Cities altered their approach to promoting the online surveys through direct interactions with during City-sponsored events as described below within the POCs data summary to achieve the MEP standard. Although the City's stormwater website online survey results showed a decline for Year 4-6, the Cities altered approach of promoting the online survey through direct interactions at an event resulted in an increase total participation for Year 4 (22 Responses COB; 22 Responses COS), Year 5 (12 Responses COB; 11 Responses COS) and Year 6 (14 Responses COB and 14 Responses COS). Due to the success rate, the Cites will continue to implement the alternative approach of promoting the online survey through direct interactions at an event and will continue to engage the residents and business through direct mailers to take the on-line survey.

For the PEAIIP, 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 PEAIIP. The data assessment for each POC consisted primarily of a qualitative assessment and/or a descriptive statistic methodology and the data collection methods included internal tracking by stormwater program, review of external data sources, interviews/surveys, site investigations/inspections; and monitoring and sampling as described below within COB and COS PEAIIP.

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

NUTRIENTS

Education and Outreach (CASQA Outcome Level 2-3)

COB Data Assessment/Collection:

During Year 6, COB participated in 3 education and outreach events (Buellton BBQ Bonanza, State of the City, Santa Ynez Valley Botanic Garden's (SYVBG) Pooch-a-Palooza and sponsored a Stormwater Display Booth at each event. Note: The SYVBG will no longer be hosting the Earth Day Event. The Earth Day Event will be combined into an Open Streets/Earth Fest Event beginning October 2020 and is currently in the planning stages. This event will be hosted by the Santa Ynez Valley Healthy Eating Active Lifestyle (SYV HEAL), People Helping People (PHP) and the COB.

The numbers of education and outreach materials distributed during events related to Nutrients (Brochures: Gardener's Guide to Clean Water; Homeowner's Guide to BMPs; Business Owner's Guide to BMPs; Recognizing and Reporting Stormwater Pollution; The Ocean Begins On Your Street; Our Water Our World Pests Bugging You; Landscaper's Guide to BMPs; Giveaways: COB & COS Stormwater Bookmarks) are as follows: Buellton BBQ Bonanza (94 Visitors: 27 Brochures,; 57 Bookmarks; State of the City (6 Visitors; 10 Brochures; 0 Bookmarks) and SYVBG Pooch-a-Palooza (26 Visitors; Brochures; 14 Bookmarks). It should be noted that on 6/21/19, the Business Owner's Guide to BMPs was retired following issuance of topic specific BMP guides that were developed to expand upon each topic area listed on the Business Owner's Guide to BMPs.

The City also provided stormwater education and outreach materials to businesses and residents attending the Valley Wide Shred Day. The number of education and outreach materials distributed during this event related to Nutrients (Giveaways: COB & COS Stormwater Bookmarks) are as follows: Valley Wide Shred Day-Buellton (36 Visitors; 36 Bookmarks). The COB also distributed brochures through brochure displays at designated City facilities (City Hall, Planning Department). The numbers of education and outreach materials distributed at the City facilities related to Nutrients (6 Gardener's Guide to Clean Water; 4 Homeowners Guide to BMPs; 0 Business Owner's Guide to BMPs, 4 Recognizing and Reporting Stormwater Pollution; 3 The Ocean Begins on Your Street-English; 0 The Oceans Begins on Your Street-Spanish as well as had 1114 File Views/Hits/Downloads (782English; 332 Spanish) thru the City's website. The City's website includes other documents related to Nutrients such as Creek Care, Creekside concerns for residents and a Use and Disposal of Pesticide Fact Sheet by Our Water Our World. The COB also provides

weblinks to additional resources on the City's website to the Santa Barbara County Project Clean Water, Our Water Our World, Less is More and Santa Barbara County Water Wise website.

The COB and COS also maintains a permanent stormwater education and outreach display at the SYVBG Information Kiosk and at the Solvang Public Library's Stormwater Display Board. The numbers of education and outreach materials distributed at the SYVBG Information Kiosk related to Nutrients (39 Gardener's Guide to Clean Water; 39 Recognizing and Reporting Stormwater Pollution; 71 The Ocean Begins on Your Street-English; 31 The Ocean Begins on Your Street-Spanish). The City also distributed stormwater bookmarks as follows: 189 Buellton Public Library; 50 Jonata Middle School; 50 Oak Valley Elementary School; 39 Buellton Senior Center; 7 Pre-K Children @ SYVBG.

In addition, the COB's Authorized Contract Staff continue to distribute education and outreach materials during Fats, Oil and Grease (FOG) and Industrial Waste Discharge (IWD) Inspections related to Nutrients (FOG – Kitchen's Guide to BMPs; Restaurant's Guide to BMPs; Beverage Manufacturing and Stormwater; COB Guidance Document – SWRCB Industrial Storm Water Pollution Prevention Plan Requirements; and Mobile Cleaning Guide to BMPs). The Cities will begin development of a Cleaning Up Poster that will be available online to the business community.

The COB and COS collaborated with the Cities of Carpinteria, Goleta, Lompoc, Santa Barbara and the County of Santa Barbara on a new Landscaper's Guide to BMPs that included topics such as proper management of pesticides, herbicides and fertilizers including handling and disposal as well as cleanup and disposal of landscape waste. In August 2018, the guide was finalized and distributed in both English and Spanish to 4 City approved landscape maintenance contractors (1 COB and 3 COS) to review within their staff as well as 13 known landscape service providers in the area. Following issuance, the City also worked with the Santa Barbara County Water Agency to send out a Notice of Stormwater Pollution Prevention for Landscapers in English and Spanish along with the new guide to 91 attendees of the Green Gardener Program. The City also worked with the Santa Barbara County Water Agency to disseminate the Landscaper's Guide to BMPs to all future students attending the Green Gardener class offered via Allan Hancock Community College. It should be noted that the new Landscaper's Guide to BMPs received 459 File Views/Hits/Downloads (162 COB-94 English and 68 Spanish; and 297 COS-157 English and 140 Spanish) and replaced the previous Landscaper's Maintenance BMP Guide that received 109 File Views/Hits/Downloads (12 COB-7 English and 5 Spanish; and 97 COS-59 English and 38 Spanish) thru the City's website.

Additionally, the COB and COS collaborated with the Cities of Carpinteria, Goleta, Lompoc, Santa Barbara and the County of Santa Barbara on a new Restaurant Guide to BMPs. This guide was finalized in November 2018 and distributed along with a Notice of Stormwater Pollution Prevention for Restaurant Owners in both English and Spanish to 106 Restaurants (49 COB and 57 COS) within the area. The Notice also included a copy of the Mobile Cleaner's Guide to BMPs in both English and Spanish) should the Restaurant Owner have their employees and/or conduct these outdoor cleaning activities. It should be noted that the new Restaurant Owner's Guide to BMPs received 428 File Views/Hits/Downloads (139 COB-79 English and 60 Spanish; and 289 COS-162 English and 127 Spanish) and replaced the previous Restaurant Owner's Guide that received 105 File Views/Hits/Downloads (47 COB and 58 COS) thru the City's website.

The COB and COS also created a new CTPL Post Card for The Solvang Gathering of a greyhound named “Walker”. The COS posted CTPL messaging on The Solvang Gathering webpage and invited their members to participate in a scavenger hunt to find “Walker” at 3 designated locations. When found, the participant would win a Stormwater Giveaway (Reusable Grocery Bag) as a thank you for picking up after their pet and is an alternative way to provide outreach to non-residents.

In Year 7, the COB and COS will begin collaboration with the Partner Agencies on a new Special Events Guide to BMPs as well as revisions to the Homeowner’s Guide to BMPs to be released in both English and Spanish. In addition, the COB and COS will be developing education and outreach materials to distribute to all Hotels and Motels; Multi-Unit Residential Dwellings; and Mobile Pet Groomer’s & Stylist working in the area.

The Cities will also be participating in a new CBSM Campaign via Our Water Our World that partners with local nurseries and hardware stores using 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, fact sheets and outreach tablings 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.

COS Data Assessment/Collection:

During Year 6 the COS participated in 3 education and outreach events (Buellton BBQ Bonanza, State of the City, SYVBG Pooch-a-Palooza) and sponsored a Stormwater Display Booth at each event. Note: The SYVBG will no longer be hosting the Earth Day Event. The Earth Day Event will be combined into an Open Streets/Earth Fest Event beginning October 2020 and is currently in the planning stages. This event will be hosted by the SYV HEAL, PHP and the COB. The numbers of education and outreach materials distributed during events related to Nutrients (Brochures: Gardener’s Guide to Clean Water; Homeowner’s Guide to BMPs; Business Owner’s Guide to BMP’s; Recognizing and Reporting Stormwater Pollution; The Ocean Begins On Your Street, Our Water Our World Pests Bugging You; Landscaper’s Guide to BMPs; Giveaways: COB & COS Stormwater Bookmarks) are as follows: Buellton BBQ Bonanza (94 Visitors; 27 Brochures, 57 Bookmarks), State of the City (4 Visitors; 6 Brochures, 9 Bookmarks), The Solvang Gathering (5 Visitors, 3 Bookmarks, 3 CTPL Bag Dispensers for Pet Waste). It should be noted that on 6/21/19, the Business Owner’s Guide to BMPs was retired following issuance of topic specific BMP guides that were developed to expand upon each topic area listed on the Business Owner’s Guide to BMPs.

The City focused on providing stormwater education and outreach materials to businesses and residents attending the Valley Wide Shred Day. The numbers of education and outreach materials distributed during this event related to Nutrients (Giveaways: COB & COS Stormwater Bookmarks) are as follows: Valley Wide Shred Day-Solvang (47 Visitors; 47 Bookmarks). The COS also distributed brochures through brochure displays at designated City facilities (City Hall, Planning Department). The numbers of education and outreach materials distributed at the City facilities related to Nutrients (11 Gardener’s Guide to Clean Water; 12 Homeowners Guide to BMPs; 2 Business Owner’s Guide to BMPs; 0 Recognizing and Reporting Stormwater Pollution; 15 The Ocean Begins on Your Street-English; 26 The Ocean Begins on Your Street-Spanish, 43 Bookmarks) as well as had 1,441 File View/Hits/Downloads (801 English and 640 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, Less is More website and Santa Barbara County Water Wise website.

The COB and COS also maintains a permanent stormwater education and outreach display at the SYVBG information kiosk and at the Solvang Public Library's Stormwater Display Board. The numbers of education and outreach materials distributed at the SYVBG Information Kiosk related to Nutrients (39 Gardener's Guide to Clean Water; 39 Recognizing and Reporting Stormwater Pollution; 71 The Ocean Begins on Your Street-English; 31 The Ocean Begins on Your Street-Spanish). The City also distributed stormwater bookmarks as follows: 250 Solvang Public Library; 200 Solvang School.

The COB and COS collaborated with the Cities of Carpinteria, Goleta, Lompoc, Santa Barbara and the County of Santa Barbara on a new Landscaper's Guide to BMPs included topics such as proper management of pesticides, herbicides and fertilizers including handling and disposal as well as cleanup and disposal of landscape waste. In August 2018, the guide was finalized and distributed in both English and Spanish to the 4 City approved landscape maintenance contractors (1 COB and 3 COS) to review with their staff as well as 13 known landscape service providers in the area. Following issuance, the City also worked with the Santa Barbara County Water Agency to send out a Notice of Stormwater Pollution Prevention for Landscapers in English and Spanish along with the new guide to 91 attendees of the Green Gardener Program. The City also worked with the Santa Barbara County Water Agency to disseminate the Landscaper's Guide to BMPs to all future students attending the Green Gardener class offered via Allan Hancock Community College. It should be noted that the new Landscaper's Guide to BMPs received 459 File Views/Hits/Downloads (162 COB-94 English and 68 Spanish; and 297 COS-157 English and 140 Spanish) and replaced the previous Landscaper's Maintenance BMP Guide that received 109 File View/Hits/Downloads (12 COB-7 English and 5 Spanish; and 97 COS-59 English and 38 Spanish) thru the City's website.

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be released in both English and Spanish. In addition, the COB and COS will be developing education and outreach materials to distribute to all Hotels and Motels; Multi-Unit Residential Dwellings; and Mobile Pet Groomer's & Stylist working in the area. The COB and COS will also be participating in a new CBSM Campaign via Our Water Our World that partners with local nurseries and hardware stores using 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, fact sheets and outreach tablings 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.

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

COB Data Assessment/Collection:

The COB participated in education and outreach events (Buellton BBQ Bonanza, State of the City, SYVBG Pooch-a-Palooza). The number of Stormwater Quiz's/Survey's and Interested Parties Sign-up Inquiry at the Stormwater Display Booth are as follows: Buellton BBQ Bonanza (94 Visitors; 14 Stormwater Survey-Event; 14 Stormwater Survey-Buellton Website; 14 Solvang Survey-Solvang Website; 21 CTPL Pledge Forms; 2 Interested Parties Sign-up); State of the City (6 Visitors; 0 Stormwater Quiz; 0 Interested Parties Sign-up); Pooch-a-Palooza (26 Visitors; 13 CTPL Pledges; 1 Interested Parties Sign-up). As a direct result of distributing a Stormwater Giveaway (Reusable Grocery Bag) to survey participants at the Buellton BBQ Bonanza, COB and COS experienced an increase in the number of Stormwater Surveys completed. The COB did not have any additional Interested Parties Sign-ups through the City's Website but had 5 residential Stormwater Management Program surveys completed. It should be noted that there were no changes to the survey or quizzes at outreach events or on-line at this time until the COB has comparable data through on-going surveys.

The COB continues to promote the survey on the City's website as well as during direct interactions with the public whenever possible.

COS Data Assessment/Collection:

The COS participated in education and outreach events (Buellton BBQ Bonanza, State of the City, SYVBG Pooch-a-Palooza). The number of Stormwater Quiz's/Survey's and Interested Parties Sign-up Inquiry at the Stormwater Display Booth are as follows: Buellton BBQ Bonanza (94 Visitors; 14 Stormwater Survey-Event; 14 Stormwater Survey-Buellton Website; 14 Solvang Survey-Solvang Website; 21 CTPL Pledges and 2 Interested Parties Signup); State of the City (4 Visitors; 0 Stormwater Quiz; 0 Interested Parties Signup); Pooch-a-Palooza (26 Visitors; 13 CTPL Pledges; 1 Interested Parties Sign-up). As a direct result of distributing a Stormwater Giveaway (Reusable Grocery Bag) to survey participants at the Buellton BBQ Bonanza, COB and COS experienced an increase in the number of Stormwater Surveys completed. The COS did not have any interested Parties Sign-up through the City's Website nor were any Stormwater Management Program surveys completed. There no changes to the survey or quizzes at outreach events or on-line at this time until the COS has comparable data through ongoing surveys.

The COS continues to promote the survey on the City's website as well as during direct interactions with the public whenever possible.

Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

COB Data Assessment/Collection:

During Year 6, the COB continued to implement its Illicit Discharge Detection and Elimination (IDDE) Program through Buellton Municipal Code (BMC) Title 15 Stormwater Chapter 15.01 Stormwater Management and Discharge Control also known as the Stormwater Management and Discharge Ordinance and the COB Stormwater Program Management Certification Statement which provides the COB full legal authority to implement and enforce each of the NPDES Phase II MS4 General Permit requirements. The COB also developed a draft Enforcement Response Plan that includes enforcement measures and tracking of the types of enforcement responses.

In addition, the COB continues 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 discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. Both City Staff and Authorized Contract Staff (10 City Staff and 6 City Contract Staff) were provided IDDE and Staff and Site Operator Training. The training has provided an increase in stormwater general awareness amongst staff and has result in and an increase in reporting of possible illicit discharges or connections. The COB also conducted additional IDDE and Staff and Site Operator Training via a combination of a desktop exercise and Survey Monkey quiz. This desktop training was sent to both 9 City Staff and 9 Authorized Contract Staff. Due to receipt of 11 out of 18 Survey Monkey quizzes, the City will resume in-class training to ensure receipt and evaluation of quizzes for all City Staff and City Contract Staff.

There were 11 out of 19 site investigations associated with potential and confirmed nutrient related discharges during Year 6. The nutrient related investigations were located within commercial zones. As a result of these investigations, the COB issued 10 verbal warnings; 4 written notices; and 1 notice of violations with all incidents resolved/closed through the IDDE Program. The COB continues to stormwater conduct education and outreach efforts whenever possible through direct integrations or through direct mail/media campaign to both residents and businesses. It should be noted that COB continues to notify Central Coast Regional Water Quality Control Board of the continued non-stormwater discharge from the agricultural land outside the City limits.

The COB Stormwater Program Coordinator reviewed all FOG and IWD inspection reports and/or violations for non-stormwater discharges which were resolved/closed through the FOG/IWD program. Although the COB had implemented an IDDE Program, the City does not have enough comparable data at this time to warrant any changes to the program. The COB will continue education and outreach efforts to help minimize and eliminate pollutants from entering the storm drain system.

As part of the Stormwater Management Program, the COB continues to contract with a local waste hauler for management of green waste and coordinates and promotes the annual Christmas Treecycle Program through the Chamber of Commerce E-Newsletter, Buellton Buzz (Water Bill Insert) and both the COB and Waste Hauler websites. This program allows residents to drop off their trees until 2nd week in January for mulching and reuse within the community.

The COB also maintains 11 Mutt Mitt Stations (5 River View Park; 3 Oak Valley Park; 2 PAWS Dog Park; 1 Via Corona Road). There are 4 additional Mutt Mitt Stations (1 North and 1 South Side along Highway 246 near the corner of Sycamore Drive; and 1 North and 1 South Side along Highway 246 near the corner of Valley Dairy) that are being maintained by Buellton Veterinary Clinic. The Mutt Mitt Program's efforts has helped reduce or eliminate pet waste at those locations. During Year 6, the Mutt Mitt Program purchased 66,000 bags for the Bi-weekly Maintenance of the Mutt Mitt Stations. In Year 7, the COB will be installing an additional 1 Mutt Mitt Station in the new Neighborhood Village Park that will be opening in October 2019.

COS Data Assessment/Collection:

During Year 6, 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 discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. There were 23 City Staff provided IDDE and Staff and Site Operator. The training has provided an increase in stormwater general awareness amongst staff and has result in and an increase in reporting of possible illicit discharges or connections. The COS also conducted additional IDDE and Staff and Site Operator Training via a combination of a desktop exercise and Survey Monkey quiz. This desktop training was sent to 11 City Staff. Due to receipt of 6 out of 11 Survey Monkey quizzes, the City will resume in-class training to ensure receipt and evaluation of quizzes for all City Staff.

There were 6 out of 19 site investigations associated with potential or confirmed nutrient related discharges during Year 6. All nutrient related investigations were located within the commercial zone. As a result of these investigations, the COS issued 5 verbal warnings, 3 written notices, and 2 notice of violations with all incidents resolved/closed through the IDDE Program. 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 continues to maintain 9 Mutt Mitt Stations (3 Hans Christian Andersen Park, 2 Sunny Fields Park, 1 Solvang Parks, and 1 Veterans Memorial Building, and 2 Skytt Mesa residential area). The Mutt Mitt Program's efforts has helped reduce or eliminate pet waste at those locations. During Year 6, the Mutt Mitt Program purchased between 30,000-40,000 bags for the Bi-weekly Maintenance of the Mutt Mitt Stations.

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

COB Data Assessment/Collection:

The COB and COS continues to promote the CTPL Pet Waste Campaign on the Cities website and through direct mailers/media campaign and/or at events such as the Buellton

BBQ Bonanza, SYVBG Pooch-a-Palooza, and The Solvang Gathering (Greyhounds). During Year 6, the COB and COS distributed education and outreach materials (21 CTPL Post Cards; 40 CTPL Dog Dispensers for Pet Waste; 10 Pet Food Scoops) to Dog Owners at these events who took a Pledge to CTPL and spread the word and use the CTPL bag dispenser for pet waste; and the CTPL pet food scoop to keep the message alive. The City also promoted the CTPL campaign through posting information at the SYVBG Information Kiosk Display Board and at the Solvang Public Library's Stormwater Display Board. It should be noted that the Pet Food Scoops will not be reordered as a stormwater giveaway item. Due to the lack of completion of the CTPL Pledge Form at the City Hall and SYV Humane Society, the Cities removed the pledge form but will continue to offer free CTPL Dog Dispensers for Pet Waste at each City Hall, designated event and will continue to make them available at the SYV Humane Society.

The COB Contract Staff also conducted a total of 40 FOG and 26 IWD Program Inspections with all non-storm water discharges resolved/closed through the FOG/IWD Program. As mentioned within the Education and Outreach (CASQA Outcome Level 2-3) Section, the COB Contract Staff initiated an annual survey during their FOG and IWD Program Inspections beginning Year 2 (11 FOG Questionnaires), Year 3 (27 FOG and 11 IWD Questionnaires), Year 4 (65 FOG and 22 IWD Questionnaires), Year 5 (40 FOG and 26 IWD Questionnaires) and Year 6 (88 FOG and 40 IWD Inspections Forms) to engage the target audience with the following 3 questions: (1) Are you familiar with the COB'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 showed more than 17.25% of businesses were not familiar with the COB's Stormwater Management Program; 16.25% of businesses were unaware of their business activities impact to stormwater; and 15.25% of the businesses did not believe their business was in compliance with the City's Stormwater Management Program. The response results may be attributed to new personnel encountered during the inspection as well as the survey questions not answered during the interview.

During Year 6, the COS continued to promote an online Restaurant survey; and has issued a new Restaurant and Mobile Cleaning Guide to BMPs in English and Spanish to 57 Restaurants within the City limits that addresses topics such as equipment and outdoor cleaning, cooking oil/grease management and dumpster and loading dock areas.

The COB also continues to provide IDDE and Staff and Site Operator Training as described within the Illicit Discharge Detection and Elimination (CASQA Outcome Level 4) Section above.

COS Data Assessment/Collection:

The COB and COS continues to promote the CTPL Pet Waste Campaign on the Cities website and through direct mailers/media campaign and/or at events such as the Buellton BBQ Bonanza, SYVBG Pooch-a-Palooza, and The Solvang Gathering (Greyhounds). During Year6, the COB and COS distributed education and outreach materials (21 CTPL Post Cards; 40CTPL Dog Dispensers for Pet Waste; 10 Pet Food Scoops) to Dog Owners at these events who took a Pledge to CTPL and spread the word and use the CTPL bag dispenser for pet waste; and the CTPL pet food scoop to keep the message alive. The City also promoted the CTPL campaign through posting information at the SYVBG Information Kiosk Display Board and at the Solvang Public Library's Stormwater Display Board. It should be noted that the Pet Food Scoops will not be reordered as a stormwater giveaway item.

Due to the lack of completion of the CTPL Pledge Form at the City Hall and SYV Humane Society, the Cities removed the pledge form but will continue to offer free CTPL Dog Dispensers for Pet Waste at each City Hall, designated event and will continue to make them available at the SYV Humane Society.

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.

In Year 4, the Stormwater Program created an online FOG Questionnaire/Survey. Survey invite cards were created with instructions and a link to the online survey. WW staff was asked to distribute the survey cards during routine FOG inspections. The online survey asked the following 3 questions 1) Are you familiar with the COS'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 and other questions related to good housekeeping behaviors and habits. The City did not receive any responses to the online survey nor has it since its creation. The low participation could be due in part to the lack of interest among restaurant employees and/or internal misunderstandings of stormwater and FOG program goals.

Currently there is 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.

During Year 6, the COS continued to promote the online survey; and has issued a new Restaurant and Mobile Cleaning Guide to BMPs in English and Spanish to 57 Restaurants within the City limits that addresses topics such as equipment and outdoor cleaning, cooking oil/grease management and dumpster and loading dock areas.

The COS continues to provide IDDE and Staff and Site Operator Training as described within the Illicit Discharge Detection and Elimination (CASQA Outcome Level 4) Section above.

Water Quality Monitoring (CASQA Outcome Level 5)

Both the COB and COS are participating 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 Regional Board 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 will be reported as part of the Year 3 and subsequent Annual Reports.

The results of the USWMP will provide a land use-based pollutant load prioritization and reduction model (LPRM) that will be 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 were 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. Once 8 to 10 storms have been analyzed, the EMCs used in the model will be revised to include our local runoff concentrations, and new modeling results will be reported.

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 issued on June 13, 2016. On July 18, 2017, the CCRWQCB approved the revised LPRM submitted to meet the requirements of Technical Report Order 13267 which includes the ability to determine the percent capture of the BMPs implemented based on the standard design attributes.

On October 15, 2018, the COB submitted Technical Report Order 13267 Report #3 (BMP Assessment Mitigated Volume, Loading Ranking) that included the Condition Assessment Forms for each BMP Inventoried as well as the COB and COS Pollutant Load, Prioritization, and Reduction (LPR) Model that provides the Stormwater Volume and Pollutant Loading-Loading Reductions Based on the Assessment and Catchment Rankings-Loading Reductions based on BMP Assessment.

The COB and COS will continue to conduct annual Condition Assessment Observations for each BMP Inventoried in accordance to the Attachment B - BMP Condition Assessment Guidance to the LPR Model Technical Report.

SEDIMENTATION/SILTATION (Total Suspended Solids)

Education and Outreach (CASQA Outcome Level 2-3)

COB Data Assessment/Collection:

During Year 6, the COB 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 discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. Both City Staff and Authorized Contract Staff (3 City Staff and 4 City Contract Staff) were provided IDDE training; Staff and Site Operator Training; and Permittee Staff Training. The annual training has provided an increase in stormwater general awareness amongst staff and has resulted in and an increase in reporting of possible illicit discharges or connections.

The COB also maintained connections with 6 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.

The COB continues to maintain the EPA's Construction Outreach Poster (24 in x 36 in) "Stormwater and the Construction Industry" and the "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guide on its Stormwater Management webpage. The "Stormwater and the Construction Industry" Poster received 222 File Views/Hits/Downloads and the "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guide received 132 File Views/Hits/Downloads on the City's website. The COS also distributed 2 "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guides through brochure displays at designated City facilities (1 City Hall, 1 Planning Department).

In addition, the COB and COS began collaboration with the Cities of Carpinteria, Goleta, and the County of Santa Barbara on a new Construction Industry's Guide to BMPs that includes topics such as erosion control BMPs, sediment control BMPs, tracking control BMPs, run-on and run-off control BMPs, good housekeeping BMPs, non-stormwater management, stabilize disturbed areas and post-construction BMPs etc. The new Construction Industry Guide to BMPs was posted on the COB website and received 7 File Views/Hits/Downloads (6 English and 1 Spanish). It should be noted that on 6/21/19, the Business Owner's Guide to BMPs was retired following issuance of topic specific BMP guides that were developed to expand upon each topic area listed on the guide. The City replaced the brochure within the Planning Department display with the new Construction Industry's Guide to BMPs and 1 was distributed in English by end of Year 6.

In Year 7, the COB will email the Construction Industry's Guide to BMPs in English and Spanish to all construction contractors during Q1.

COS Data Assessment/Collection:

During Year 6, 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 discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. There were 1 City Staff that was provided IDDE training; Staff and Site Operator Training; and Permittee Staff Training. The annual training has provided an increase in stormwater general awareness amongst staff and has resulted in and an increase in reporting of possible illicit discharges or connections.

The COS maintained connections with 2 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.

The COS continues to maintain the EPA's Construction Outreach Poster (24 in x 36 in) "Stormwater and the Construction Industry" and the "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guide on its Stormwater Management webpage. The "Stormwater and the Construction Industry" Poster received 175 File Views/Hits/Downloads and the "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guide received 177 File Views/Hits/Downloads on the City's website. The COS also distributed 11 "Prevent Soil Erosion on Your Property – A Homeowner's Guide to Erosion Control" guides through brochure displays at designated City facilities (10 City Hall, 1 Planning Department).

The COB and COS also began collaboration with the Cities of Carpinteria, Goleta, and the County of Santa Barbara on a new Construction Industry's Guide to BMPs that includes topics such as erosion control BMPs, sediment control BMPs, tracking control BMPs, run-on and run-off control BMPs, good housekeeping BMPs, non-stormwater management, stabilize disturbed areas and post-construction BMPs etc. The new Construction Industry Guide to BMPs (English version) was posted on the COS website in June 2019 and received 3 File Views/Hits/Downloads. It should be noted that on 6/21/19, the Business Owner's Guide to BMPs was retired following issuance of topic specific BMP guides that were developed to expand upon each topic area listed on the guide. The City replaced the brochure within the Planning Department display with the new Construction Industry's Guide to BMPs and 1 was distributed in English by end of Year 6.

In Year 7, the COS will post the Spanish version of the new Construction Industry's Guide to BMPs on the website. The COS will also email the new Construction Industry's Guide to BMPs in English and Spanish to all construction contractors during Q1.

Illicit Discharge Detection and Elimination (CASQA Outcome Level 4)

COB Data Assessment/Collection:

During Year 6, the COB continues to implement its IDDE Program through BMC Title 15 Stormwater Chapter 15.01 Stormwater Management and Discharge Control also known as the Stormwater Management and Discharge Ordinance and the COB Stormwater Program Management Certification Statement which provides COB full legal authority to implement and enforce each of the NPDES Phase II MS4 General Permit requirements. The COB also continues to implement the Enforcement Response Plan that documents enforcement measures and tracks the types of enforcement responses.

The COB has also implemented a Spill Response Plan which provides guidance to City Staff and Authorized Contract Staff responding to a complaint or notice of a spill discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. During Year 6, both City Staff and Authorized Contract Staff (10 City Staff and 6 City Contract Staff) were provided IDDE and Staff and Site Operator Training. The training has provided an increase in stormwater general awareness amongst staff and has resulted in and an increase in reporting of possible illicit discharges or connections. It should be noted that the COB also conducted additional IDDE and Staff and Site Operator Training via a combination of a desktop exercise and Survey Monkey quiz. This desktop training was sent to both 9 City Staff and 9 Authorized Contract Staff. Due to receipt of 11 out of 18 Survey Monkey quizzes, the City will resume in-class training to ensure receipt and evaluation of quizzes for all City Staff and City Contract Staff.

In Year 6, there were 4 site investigations associated with sedimentation/siltation related discharges from construction site. As a result of these investigations, the COB issued 1 verbal warnings, 21 written notices and 4 notices of violations that included 2 informal referrals to the CCRWQCB as a result of construction activities notice of violations. As part of the Stormwater Management Program, the COB continues to work with construction contractors to resolve any corrective actions and/or discrepancies found during the inspection.

COS Data Assessment/Collection:

During Year 6, the COS continues 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 discharge or illicit connection; and investigating to locate and identify the source of a non-stormwater discharge. There were 23 City Staff that were provided IDDE; Staff and Site Operator Training; and Permittee Staff Training. The training has provided an increase in stormwater general awareness amongst staff and has result in and an increase in reporting of possible illicit discharges or connections. It should be noted that the COS also conducted additional IDDE and Staff and Site Operator Training via a combination of a desktop exercise and Survey Monkey quiz. This desktop training was sent to 11 City Staff. Due to receipt of 6 out of 11 Survey Monkey quizzes, the City will resume in-class training to ensure receipt and evaluation of quizzes for all City Staff.

In Year 6, there were 5 site investigations associated with sedimentation/siltation related discharges from 3 construction sites, 1 residential vacant property, and 1 COS Street Sweeping Maintenance Contractor. As a result of these investigations, the COS issued 8 written notices. 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)

COB Data Assessment/Collection:

During Year 6, the COB 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 Plans (SWCP). The COB also continued to inspect 6 construction inspections monthly during active construction and following active construction as applicable. As part of the Stormwater Management Program, the COB will continue to monitor the erosion and sediment control measures at each of these construction sites.

In Year 6, there were 4 site investigations associated with sedimentation/siltation related discharges from construction site. As a result of these investigations, the COB issued 1 verbal warnings, 21 written notices and 4 notices of violations that included 2 informal referrals to the CCRWQCB as a result of construction activities notice of violations.

COS Data Assessment/Collection:

During Year 6, the COS issued 1 new construction site grading permits and required review of a SWPPP (includes E&SCP) but not a SWCP as the site received discretionary approval prior to March 6, 2014. The COS also continued to inspect the 2 active construction sites inspections monthly during active construction and following active construction as applicable. As part of the Stormwater Management Program, the COS will continue to monitor the erosion and sediment control measures at each of these construction sites.

In Year 6, there were 3 of out of 5 site investigations associated with sedimentation/siltation related discharges from construction sites. As a result of these investigations, the COS issued 7 written notices. As part of the Stormwater Management Program, the COS continues to work with construction contractors to resolve any corrective actions and/or discrepancies found during the inspection.

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

COB Data Assessment/Collection:

During Year 6, there were 3 out of 6 active construction sites received discretionary approval after March 6, 2014 and are required to submit a SWCP to comply with PCR Measures. All 6 active construction sites have or will be implementing LID Measures.

COS Data Assessment/Collection:

During Year 6, there was 1 out of the 2 active construction sites received discretionary approval after March 6, 2014 and required to submit a SWCP to comply with PCR Measures. Both active construction sites will be implementing LID Measures.

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

COB Data Assessment/Collection:

During Year 6, the COB Street Sweeping Maintenance Contractor continues to conduct Bi-Monthly Street Sweeping Activities on all municipal streets (residential and arterial roads but not private roads), alleyways, and parking lots based on a pre-determined frequency and route. By conducting street sweeping activities, the COB minimized sedimentation/siltation from the entering the storm drain conveyance system.

The COB also continued to implement a Storm Drain System Assessment, Prioritization and Maintenance Standard Operating Procedure (SOP) to comply with the NPDES Phase II MS4 General Permit. The Storm Drain Maintenance Contractor (SDMC) inspected and cleaned approximately 141 catch basins/drop inlets and 58 sidewalk/area drains. Additionally, the COB also updated its inventory for to include newly identified structures, replaced/installed and damaged/missing Storm Drain Curb Markers; and facilitated storm drain infrastructure repairs. In Year 7, the will issue an informal bid request to perform annual cleaning of the city's storm drain system catch basins, drop inlets, area drains and sidewalk drains.

The Wastewater Treatment Plan (WWTP) was inspected quarterly and the WWTP Staff were instructed on pollution prevention and good housekeeping measures as identified during the facility assessment (hotspot site investigation). All observations are being tracked on an action log with target completion dates until items are completed. The City also reclassified the Post Office (which is located on a City owned property) to a Non-Hotspot due to discussions with the Post Office as their operations are under federal regulation.

COS Data Assessment/Collection:

During Year 6, 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 sedimentation/siltation from the entering the storm drain conveyance system to comply with the NPDES Phase II MS4 General Permit. It should be noted that in June 2019 the Street Sweeping Maintenance Contractor was observed to have dumped street sweeping debris within the storm drain system. The COS contacted the contractor and as part of the contractor's investigation, the employee was terminated by the company.

The COS also developed and implemented a 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 300 storm drain structures in its inventory. The COS does not have the resources to inspect and clean all storm drain structures annually. The COS used their GIS database to develop a method for prioritizing and assessing the inventory. All high-priority areas were inspected, and minor maintenance was performed based on an annual maintenance schedule. The City is going to continue with the assessment method describe above for the remainder of this permit term.

Water Quality Monitoring (CASQA Outcome Level 5)

Both the COB and COS are participating 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 Regional Board 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 will be reported as part of the Year 3 and subsequent Annual Reports.

The results of the USWMP will provide a land use-based prioritization and reduction (LPRM) model that will be 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 will 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. Four storms were monitored at a total of 6 sites representing different land use types. Once 8 to 10 storms have been analyzed, the event mean concentrations used in the model will be revised to include our local runoff concentrations, and new modeling results will be reported

On November 10, 2016, the CCRWQCB provided comments on how to refine the model approach to meet specific requirement listed in both Technical Report Order 13267 (issued on June 13, 2016) and 13383 (issued on June 1, 2017). On July 18, 2017, the CCRWQCB approved the revised LPRM submitted to meet the requirements of Technical Report Order 13267 which includes 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 will be uploaded to the LPRM and the new modeling results will be reported along Technical Report Order 13267 Report #3.

On October 15, 2018, the COB submitted Technical Report Order 13267 Report #3 (BMP Assessment Mitigated Volume, Loading Ranking) that included the Condition Assessment Forms for each BMP Inventoried as well as the COB and COS Pollutant Load, Prioritization, and Reduction (LPR) Model that provides the Stormwater Volume and Pollutant Loading-Loading Reductions Based on the Assessment and Catchment Rankings-Loading Reductions based on BMP Assessment.

The COB and COS will continue to conduct annual Condition Assessment Observations for each BMP Inventoried in accordance to the Attachment B - BMP Condition Assessment Guidance to the LPR Model Technical Report.

3. Short- and Long-Term Program Effectiveness

During Year 6, the COB and COS continued to maintain its two short term goals. 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. Continue its education and outreach efforts and to collect and track program data that will be used to modify and improve each City's Storm Water Management Program.

Both COB and 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. Both Cities recognize that this is a dynamic process and may require changes over time as we gain experience and as new science and technologies become available.

2018-2019

Phase II Small MS4 Annual - Report

REPORTING PERIOD:07/01/2018 - 06/30/2019

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 - 2018-2019
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 - 2018-2019
CERTIFICATION

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

Name: Rose Hess	Title: Director of Public Works	Date: 10/14/2019
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Phase II Small MS4 Annual - Report - 2018-2019
ATTACHMENTS

Attachment Title	Description	Date Uploaded	Attachment Type	Attachment Hash	Doc Part No/Total Parts
PCRs Annual Report FY2018-2019-Buellton	PCRs Annual Report FY2018-2019-Buellton	2019-10-02 16:26:40.0	Supporting Documentation	a6be524b02cd9a65ab3a854f3afbb a5d031cc3a846d9dcc58d7d7956b a721cb	1/1
PCRs Annual Report FY2018-2019-Solvang	PCRs Annual Report FY2018-2019-Solvang	2019-10-02 16:26:41.0	Supporting Documentation	7bf0bcd9288a893cb1bbcd94d376 dea00659139673e905979a7393a a00	1/1
PCRs Annual Report FY2018-2019-Long-Term Operation and Maintenance-Buellton	PCRs Annual Report FY2018-2019-Long-Term Operation and Maintenance-Buellton	2019-10-02 16:26:41.0	Supporting Documentation	f64f8ad36fc0f6fba751e64a92b849 dcdafed876ac799e81cb6da82758 e	1/1

Report_Summary

Report Summary Text File - Auto-generated by SMARTS on 10/14/2019 12:04:23

Name of Report: Central Coast Post-Construction Stormwater Requirements Annual Reporting 2018 - 2019 Annual

Certifier Name: Rose Hess

Certifier Title: Director of Public Works

Certifier Password Hash:

b322eb3eb17b39568453529cb56b9a9b74ab3673dec5636b82e6c80c33614b56

Certifier User Account ID: 626600

Certification Computer IP: 198.143.33.5

Certification Executed On:

WARNING - Unable to Retrieve Certifier Details or Confirmation Number

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

County:

SECTION II: REPORTING PERIOD

Reporting Period:

SECTION III: COMPLETED PROJECTS

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

SECTION III: CONTINUED ...

Project categories based on created and/or replaced impervious surface area		Number of Projects in each category that received occupancy completion documentation (e.g., Certificate of Occupancy) during the Reporting Period and had an approval per PCRs Provision B.1.c
Lower Bound	Upper Bound	
≥ 2,500 square feet	<5,000 square feet Net Impervious Area (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	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	0
Total		1

SECTION IV: PROJECTS SUBJECT TO POST-CONSTRUCTION REQUIREMENTS

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

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

SECTION V: CONTINUED ...

To add another Project, click 'Add Row'

Add Row

Delete Row

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

Entry No.	Project Name	Project Number (City # / MNS # / TetraTech #)	Project Address	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		Name	Phone Number			
#	Tyson Development	##-ABC-## / 12345	5555 Tower Road; Tower City, CA 55555	PR4: Peak Management	SDRR2, WQT1	Retention/Detention Basin (DMA #)	7/1/14	12/15/14	2/15/15				Private			
5	Hampton Inn	14-FDP-01 / CIBUE.140183.00	600 McMurray 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		No
8	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	No
9	Chumash Mixed Use Project	CIBUE.121089.00	890 McMurray Road, Buellton, CA 93427	PR4: Peak Management	On Hold											
11	Fig Mountain Brewery Expansion	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 Engineer Project File & Electronic Copy - MNS Engineer Electronic File and City of Buellton PWD Electronic File	Jamie Dientenhofer	Jamie (805) 694-2252	Private		
12	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-MNS Engineer Project File & Electronic Copy - MNS Engineer Electronic File and City of Buellton PWD Electronic File	John Peterson	(805) 331-5932	Private		No
13	Buellton 5 Acre Building (aka The Network)	90044 / 155059-1701-08	Industrial Way, Buellton, CA 93427	PR4: Peak Management												
*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															

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)

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

County:

SECTION II: REPORTING PERIOD

Reporting Period:

SECTION III: COMPLETED PROJECTS

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

SECTION III: CONTINUED ...

Project categories based on created and/or replaced impervious surface area		Number of Projects in each category that received occupancy completion documentation (e.g., Certificate of Occupancy) during the Reporting Period and had an approval per PCRs Provision B.1.c
Lower Bound	Upper Bound	
≥ 2,500 square feet	<5,000 square feet Net Impervious Area (all projects except single-family homes) and <15,000 square feet Net Impervious Area (only single-family homes)	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 <u>ALL</u> Site Design, Water Quality Treatment, Runoff Retention, and/or Peak Management controls were implemented in accordance with PCRs
Only No. 1	0	N/A		
Only Nos. 1 and 2		0		
Only Nos. 1, 2, and 3			0	
Only Nos. 1, 2, 3, and 4				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

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

SECTION V: CONTINUED ...

To add another Project, click 'Add Row'

Add Row

Delete Row

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