Storm Water Resource Plan Checklist and Self-Certification

The following should be completed and submitted to the State Water Resources Control Board Division of Financial Assistance in support of a storm water resource plan /functionally equivalent plan. The documents submitted, including this checklist, will be used to determine State Water Board concurrence with the Storm Water Resource Plan Guidelines and statutory water code requirements.

When combining multiple documents to form a functionally equivalent Storm Water Resource Plan, submit a cover letter explaining the approach used to arrive at the functionally equivalent document. The cover letter should explain how the documents work together to address the Storm Water Resource Plan Guidelines.

STORM WATER RESOURCE PLAN GENERAL CONTACT INFORMATION						
Contact Info:						
Name	Mladen Bandov					
Phone Number	(805) 781-5116					
Email	mbandov@co.slo.ca.gov					
Date Submitted to State Water						
Resource Control Board:	February 28 2019					
Regional Water Quality						
Control Board:	Region 3 - Central Coast					
Title of attached documents						
(expand list as needed):	Final San Luis Obispo County Stormwater Resource Plan					

STORM WATER RESOURCE PLAN INFORMATION					
Storm Water Resource Plan Title:	San Luis Obispo County Stormwater Resource Plan				
Date Plan Completed/Adopted:	February 28, 2019				
Public Agency Preparer:	County of San Luis Obispo, Department of Public Works and City of Arroyo Grande				
IRWM Submission:	Upon concurrence of the SLO County SWRP by the State Water Board, the IRWM will adopt the SWRP and the Final SWRP will be posted on the County's website for public access.				

Plan Description:	
•	Stormwater resource plan for the San Luis Obispo County that is compliant with the State Water Board's SWRP Guidelines adopted December 15, 2015, and the California Water Code Section 10561-10573. The SLO County SWRP guides the quantification and prioritization of projects addressing regional
	and watershed-based stormwater multi-benefit objectives.

Checklist Instructions:

For each element listed below, review the applicable section in the Storm Water Resource Plan Guidelines and enter ALL of the following information. Be sure to provide a clear and thorough justification if a recommended element (non shaded) is not addressed by the Storm Water Resource Plan.

- A. Mark the box if the Storm Water Resource Plan meets the provision
- B. In the provided space labeled **References**, enter:
 - 1. Title of document(s) that contain the information (or the number of the document listed in the General Information table above);
 - 2. The chapter/section, and page number(s) where the information is located within the document(s):
 - 3. The entity(ies) that prepared the document(s) if different from plan preparer;

 - 4. The date the document(s) was prepared, and subsequent updates; and
 5. Where each document can be accessed (website address or attached).

STORM WATER RESOURCE PLAN CHECKLIST AND SELF-CERTIFICATION						
	Mandatory Required Elements per California Water Code are Shaded and Text is Bold					
Y/N	Y/N Plan Element					
	WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)					
Y	1.Plan identifies watershed and subwatershed(s) for storm water resource planning.	10565(c) 10562(b)(1) 10565(c)				
Referer	nces:					
1. San Luis Obispo County SWRP; 2. Section 1.2.1 Watershed Setting and Boundaries, pp. 1-4 to 1-7 including Figures 1a and 1b and Table 1-1.						
Y	 Plan is developed on a watershed basis, using boundaries as delineated by USGS, CalWater, USGS Hydrologic Unit designations, or an applicable integrated regional water management group, and includes a description and boundary map of each watershed and sub-watershed applicable to the Plan. 					
References:						
	n Luis Obispo County SWRP; 2. Section 1.2.1 Watershed Setting and Boundaries, p lix 1-B; also Appendix 1-C (for MS4 areas) and Appendix 3-A (for CalWater Plannin					

county-wide)

¹ All documents referenced must include a website address. If a document is not accessible to the public electronically, the document must be attached in the form of an electronic file (e.g. pdf or Word 2013) on a compact disk or other electronic transmittal tool

WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)

Υ

3. Plan includes an explanation of why the watershed(s) and sub-watershed(s) are appropriate for storm water management with a multiple-benefit watershed approach;

References:

1. San Luis Obispo County SWRP; 2. Section 1.2.1 Watershed Setting and Boundaries, pp. 1-5

Y

4. Plan describes the internal boundaries within the watershed (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, etc.; preferably provided in a geographic information system shape file);

References:

1. San Luis Obispo County SWRP; 2. Sections 1.2.4 Water Supply discussion and 1.2.6 Land Cover, Land Use, and Service Areas of Wastewater discusses WWTPs and CSDs by WG, pp. 1-14 to 1-29.

Υ

5. Plan describes the water quality priorities within the watershed based on, at a minimum, applicable TMDLs and consideration of water body-pollutant combinations listed on the State's Clean Water Act Section 303(d) list of water quality limited segments (a.k.a impaired waters list);

References:

1. San Luis Obispo County SWRP; 2. Section 1.3 Receiving-Water Conditions, pp. 1-29 to 1-53; Section 1.6.2 Total Maximum Daily Loads (TMDLs), pp. 1-59.

Υ

6. Plan describes the general quality and identification of surface and ground water resources within the watershed (preferably provided in a geographic information system shape file);

References:

1. San Luis Obispo County SWRP; 2. Section 1.2.4 Water Supply, p.1-14 to 1-20; Section 1.2.5 Groundwater, pp. 1-20 to 1-27.

Ν

7. Plan describes the local entity or entities that provide potable water supplies and the estimated volume of potable water provided by the water suppliers;

References:

Unavailable estimates.

Y

8. Plan includes map(s) showing location of native habitats, creeks, lakes, rivers, parks, and other natural or open space within the sub-watershed boundaries; and

References:

1. San Luis Obispo County SWRP; 2. Appendix 1-B Maps 3,4 and 6.

Y

9. Plan identifies (quantitative, if possible) the natural watershed processes that occur within the sub-watershed and a description of how those natural watershed processes have been disrupted within the sub-watershed (e.g., high levels of imperviousness convert the watershed processes of infiltration and interflow to surface runoff increasing runoff volumes; development commonly covers natural surfaces and often introduces non-native vegetation, preventing the natural supply of sediment from reaching receiving waters).

References:

1. San Luis Obispo County SWRP; 2. Section 3.1 Process-Based Watershed Management, pp. 3-1 to 3-7; also Appendix 1-B.

WATER QUALITY COMPLIANCE (GUIDELINES SECTION V)

γ 10. Plan identifies activities that generate or contribute to the pollution of storm 10562(d)(7)water or dry weather runoff, or that impair the effective beneficial use of storm water or dry weather runoff.

References:

- 1. San Luis Obispo County SWRP; 2. Section 3.1 Process-Based Watershed Management, pp. 3-1 to 3-3.
- Υ 11. Plan describes how it is consistent with and assists in, compliance with total 10562(b)(5)maximum daily load implementation plans and applicable national pollutant discharge elimination system permits.

References:

- 1. San Luis Obispo County SWRP; 2. Sections 3.3.3 Consistency with NPDES Permits and Section 3.3.4 Consistency with TMDLs, pp. 3-11 to 3-12.
 - Y 12. Plan identifies applicable permits and describes how it meets all applicable 10562(b)(6) waste discharge permit requirements.

References:

1. San Luis Obispo County SWRP; 2. Sections 1.2.6 Land Cover, Land Use, and Service Areas of Wastewater pp. 1-27 to 1-29 and Section 3.3.3 Consistency with TMDLs and Section 3.3.4 Consistency with TMDLS, and Section 3.3.5 Consistency with Waste Discharge Permit Requirements, pp. 3-11 to 3-13

ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)

13. Local agencies and nongovernmental organizations were consulted in Plan 10565(a)

References:

Υ

- 1. San Luis Obispo County SWRP; 2.Section 2.3.1 Plan Stakeholder Management and Section 2.3.6 Stakeholder Engagement, pp. 2-4 to 2-7.
 - Y 14. Community participation was provided for in Plan development. 10562(b)(4)

References:

- 1. San Luis Obispo County SWRP; 2.Section 2.3.6 Stakeholder Engagement and 2.3.7 Stakeholder Involvement, pp.2-6 to 2-7.
- Y 15. Plan includes description of the existing integrated regional water management group(s) implementing an integrated regional water management plan.

References:

1. San Luis Obispo County SWRP; 2. Section 2.4.3 Lead Advisor, pp.2-10.

ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)

Y

16. Plan includes identification of and coordination with agencies and organizations (including, but not limited to public agencies, nonprofit organizations, and privately owned water utilities) that need to participate and implement their own authorities and mandates in order to address the storm water and dry weather runoff management objectives of the Plan for the targeted watershed.

References:

1. San Luis Obispo County SWRP; 2.Sections 2.3.6 Stakeholder Engagement, 2.4.1 Project Management Team Members, and 2.4.4 Advisors and Stakeholders, pp. 2-6, 2-9 and 2-11.

Υ

 Plan includes identification of nonprofit organizations working on storm water and dry weather

References:

1. San Luis Obispo County SWRP; 2.Section 2.4.4 Advisors and Stakeholders, pp 2-11, Section 4.1.1.1 Screening (Step 1) and Scoring (Step 2) of Identified Projects, pp. 4-6.

Υ

18. Plan includes identification and discussion of public engagement efforts and community participation in Plan development.

References:

1. San Luis Obispo County SWRP; 2. Section 2.2 to Section 2.4.4., pp 2-2 to .2-13.

Υ

19. Plan includes identification of required decisions that must be made by local, state or federal regulatory agencies for Plan implementation and coordinated watershed-based or regional monitoring and visualization

References:

1. San Luis Obispo County SWRP; 2. Section 5.3 Implementation Strategy, pp 5-3 to 5-6.

Υ

20. Plan describes planning and coordination of existing local governmental agencies, including where necessary new or altered governance structures to support collaboration among two or more lead local agencies responsible for plan implementation.

References:

1. San Luis Obispo County SWRP; 2.Section 2.1 Introduction, pp. 2-1 to 2-2; Section 2.4, pp. 2-9; Section 5.3 Implementation Strategy, pp. 5.3 to 5-6.

Y

21. Plan describes the relationship of the Plan to other existing planning documents, ordinances, and programs established by local agencies.

References:

1. San Luis Obispo County SWRP; 2.Section 1.2.1 Watershed Setting and Boundaries, pp. 1-3 to 1-5; Section 2.4.5 Relationship to Other Plans, pp.2-12.

Y

22. (If applicable)Plan explains why individual agency participation in various isolated efforts is appropriate.

References:

1. San Luis Obispo County SWRP; 2. Section 1.2.1 Watershed Setting and Boundaries, pp. 1-3 to 1-5.

QUANTITATIVE METHODS (GUIDELINES SECTION VI.C)

Υ

23. For all analyses:

Plan includes an integrated metrics-based analysis to demonstrate that the Plan's proposed storm water and dry weather capture projects and programs will satisfy the Plan's identified water management objectives and multiple benefits.

References

1. San Luis Obispo County SWRP; 2. Section 4.1 Methodology, pp. 4-1 to 4-16 and Appendix 4.

Υ

24. For water quality project analysis (section VI.C.2.a)

Plan includes an analysis of how each project and program complies with or is consistent with an applicable NPDES permit. The analysis should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. Describes how each project or program will contribute to the preservation, restoration, or enhancement of watershed processes (as described in Guidelines section VI.C.2.a)

References:

1. San Luis Obispo County SWRP; 2. Appendix 4D, Table 4D-4 Average annual pollutant load reduction, using the factors listed in Table 4D-3. Note that 10 identified projects had sufficient design information to calculate pollutant loading, and so watershed-scale simulations are not feasible at this time (see pp. 4-3).

Υ

25. For storm water capture and use project analysis (section VI.C.2.b):

Plan includes an analysis of how collectively the projects and programs in the watershed will capture and use the proposed amount of storm water and dry weather runoff.

References:

1. San Luis Obispo County SWRP; 2. Appendix 4D, Table 4D-4 includes "Estimated Average Annual Volume Treated and/or Infiltrated." Capture of the 85th percentile 24-hour storm event is a rating criterion for project evaluation.

Υ

26. For water supply and flood management project analysis (section VI.C.2.c): Plan includes an analysis of how each project and program will maximize and/or augment water supply.

References:

1. San Luis Obispo County SWRP; 2. Appendix 4D, Table 4D-4 includes capture area, volume treated and or/infiltrated, estimated average annual volume treated and/or infiltrated. It is noted that future projects will require quantified metrics for a more accurate analysis.

Y

27. For environmental and community benefit analysis (section VI.C.2.d):

Plan includes a narrative of how each project and program will benefit the environment and/or community, with some type of quantitative measurement.

References:

1. San Luis Obispo County SWRP; 2. Section 4.1.1 Screening (Step 1) and Scoring (Step 2) of Identified Projects, pp. 4-3 to 4-11. Plan includes examples of how community benefits from various projects might be quantified in Table 4-1. Pp. 4-5 explains why community benefits were grouped as non-quantified criteria in the prioritization process. Table 4-5 includes community benefits, Table 4-8 summarizes the non-quantified metrics, including community benefits, and Table 4-10 on pp 4- 30 lists the community benefits of each project. The project Earth Genius is listed as a project that can be partner with other projects to increase community benefit scores such as enhanced recreational and public use.

Υ

28. Data management (section VI.C.3):

Plan describes data collection and management, including: a) mechanisms by which data will be managed and stored; b) how data will be accessed by stakeholders and the public; c) how existing water quality and water quality monitoring will be assessed; d) frequency at which data will be updated; and e) how data gaps will be identified.

References:

1. San Luis Obispo County SWRP; 2. Section 5.2.1 Decision Support Tools and Data Management, pp.5-2.(i.e. County will host spatial data on a GIS viewer online, Watershed Program Manager listed as contact; access through online platform, requests for data made to Watershed Program Manager who will work with County GIS staff; estimated data layer update every 5 years, project scoring spreadsheet and KML files will also be hosted by County).

IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D)

Y 29. Plan identifies opportunities to augment local water supply through 10562(d)(1) groundwater recharge or storage for beneficial use of storm water and dry weather runoff.

References:

- 1. San Luis Obispo County SWRP; 2. Section 4.1.1, Screening and Scoring of Identified Projects,. 4-3 to 4-11 and Section 4.1.2 Screening and Scoring of Prospective Focus Areas, pp 4-11 to 4-13 where the quantifiable scoring criteria criterion are found "designed to infiltrate" and "projected quantity of water infiltrated".
 - 30. Plan identifies opportunities for source control for both pollution and dry 10562(d)(2) weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff.

References:

- 1. San Luis Obispo County SWRP; 2. Section 3.3.2, pp. 3-9, has been revised to include a discussion of source control opportunities, highlighting The Morro Bay Watershed Bioreactor Installation project, a concept proposal for on-farm pollutant reductions in dry-weather runoff sources.
 - γ 31. Plan identifies projects that reestablish natural water drainage treatment and 10562(d)(3) infiltration systems, or mimic natural system functions to the maximum extent feasible.

References:

- 1. San Luis Obispo County SWRP; 2. Section 4.2, Application of the screening, scoring, and prioritization criteria. Pp. 4-16; Appendix 4-B and 4-C. Most of the identified projects are designed to achieve these outcomes in whole or in part.
 - 32. Plan identifies opportunities to develop, restore, or enhance habitat and open10562(d)(4) space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.

References:

1. San Luis Obispo County SWRP; 2. Section 4.2, Application of the screening, scoring, and prioritization criteria and Section 4.2.2, Focus Areas for Prospective SCMs pp. 4-16 and pp.4-20. Appendix 4B-2; five of the identified projects include habitat restoration. Other CalWater Planning Watersheds with high environmental resources/opportunities are identified in Appendix 4-E.

Y

33. Plan identifies opportunities to use existing publicly owned lands and 10562(d)(5), easements, including, but not limited to, parks, public open space, community 10562(b)(8) gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use storm water and dry weather runoff either onsite or offsite.

References:

1. San Luis Obispo County SWRP; 2. Section 4.1.1.1, Screening criteria by project type, pp. 4-6. A comprehensive list of such parcels in highly ranked Planning Watersheds that offer the best opportunity for future CIPs are mapped and listed in Appendix 4-F (referenced in the main text of the plan on pp. 4-21).

IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D)

Y

34. For new development and redevelopments (if applicable): Plan identifies design criteria and best management practices to prevent storm water and dry weather runoff pollution and increase effective storm water and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development.

10562(d)(6)

References:

1. San Luis Obispo County SWRP; 2.Section 3.3.3 Consistency with NPDES Permits, pp.3-11. These criteria and BMPs are part of the Central Coast's NPDES permit for MS4's.

Υ

35. Plan uses appropriate quantitative methods for prioritization of projects. (This should be accomplished by using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.)

10562(b)(2)

References:

1. San Luis Obispo County SWRP; 2. Section 4.1 (description of methods) and 4.2 (application of the methods). Final results of all identified projects on pp. 4-19.

Υ

36. Overall:

Plan prioritizes projects and programs using a metric-driven approach and a geospatial analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and community benefits within the watershed.

References:

1. San Luis Obispo County SWRP; 2. Section 4.2.3, Prioritization of Projects and Programs, pp. 4-25 to 4.26, integrating quantitative and qualitative metrics to yield the final project prioritization.

Υ

37. Multiple benefits:

Each project in accordance with the Plan contributes to at least two or more **Main Benefits** and the maximum number of **Additional Benefits** as listed in Table 4 of the Guidelines. (Benefits are not counted twice if they apply to more than one category.)

References:

1. San Luis Obispo County SWRP; 2. Criterion articulated on p. 4-2; all projects included in plan meet this requirement, as demonstrated by their quantitative metric scoring (Appendix 4-A). 85% treatment appears in both Water Quality and Environment in Table 4-2 which is both intentional and well-supported (pp.4-10).

IMPLEMENTATION STRATEGY AND SCHEDULE (GUIDELINES SECTION VI.E)

Y

38. Plan identifies resources for Plan implementation, including: 1) projection of additional funding needs and sources for administration and implementation needs; and 2) schedule for arranging and securing Plan implementation financing.

References:

- 1. San Luis Obispo County SWRP; 2. Section 5.2 Resources for Plan Implementation; Section 5.3.1 Decision Support Tools and Data Management, pp.5-1 to 5-4; Section 5.3.6 Additional Funding Needs, p. 5-7; Section 5.3.7 Project Implication Strategy Summary and Table 5-1, pp. 5-7 to 5-8.
- Y 39. Plan projects and programs are identified to ensure the effective implementation of the storm water resource plan pursuant to this part and achieve multiple benefits.

10562(d)(8)

References:

- 1. San Luis Obispo County SWRP; 2. Section 5.1 Section 5.3, Plan Implementation, pp 5-1 to 5-8.
- Y
- 40. The Plan identifies the development of appropriate decision support tools and 10562(d)(8) the data necessary to use the decision support tools.

References:

- 1. San Luis Obispo County SWRP; 2. Section 5.2.1, Decision Support Tools and Data Management, pp 5-2.
 - Υ
- 41. Plan describes implementation strategy, including:
- a) Timeline for submitting Plan into existing plans, as applicable;
- b) Specific actions by which Plan will be implemented:
- c) All entities responsible for project implementation;
- d) Description of community participation strategy;
- e) Procedures to track status of each project;
- f) Timelines for all active or planned projects;
- g) Procedures for ongoing review, updates, and adaptive management of the Plan; and
- h) A strategy and timeline for obtaining necessary federal, state, and local permits.

References:

1. San Luis Obispo County SWRP; 2. Chapter 5 Plan Implementation, pp. 5-1 to 5-11; Section 5.3.1; Section 5.5, Tracking Implementation Performance Measures, pp. 5-10 to 5-11; Section 5.3.7 – Project Implementation Strategy Summary and Table 5-1, pp. 5-7 to 5-8.

Y

42. Applicable IRWM plan: 10562(b)(7)

The Plan will be submitted, upon development, to the applicable integrated regional water management (IRWM) group for incorporation into the IRWM plan.

References:

1. San Luis Obispo County SWRP; 2. Section 5.3, Implementation Strategy, pp. 5-3.

IMPLEMENTATION STRATEGY AND SCHEDULE (GUIDELINES SECTION VI.E)

Υ

43. Plan describes how implementation performance measures will be tracked.

References:

1. San Luis Obispo County SWRP; 2. Section 5. Tracking Implementation Performance Measures for sharing of data in the region following the IRWM Framework as well as applicable industry standards (resources provided) pp. 5-7 to 5-8.

EDUCATION, OUTREACH, PUBLIC PARTICIPATION (GUIDELINES SECTION VI.F)

44. Outreach and Scoping:

10562(b)(4)

Community participation is provided for in Plan implementation.

References:

- 1. San Luis Obispo County SWRP; 2. Section 5.1 Introduction p.5-1 and 5.3. Implementation Strategy pp.5-3.
 - 45. Plan describes public education and public participation opportunities to engage the public when considering major technical and policy issues related to the development and implementation.

References:

1. San Luis Obispo County SWRP; 2.Sections 2.3.5, Stakeholder Group Role,p.2-6, 2.3.8, Meetings and Outreach/Education, pp. 2-7 to 2-8; 2.4.3 p.2-10.

Υ

46. Plan describes mechanisms, processes, and milestones that have been or will be used to facilitate public participation and communication during development and implementation of the Plan.

References:

- 1. San Luis Obispo County SWRP; 2. Section 2.3.9 Communication Process p. 2-8; Section 5.3.1 pp. 5-3 to 5-4.
 - Υ
- 47. Plan describes mechanisms to engage communities in project design and implementation.

Refere	ences:							
 San Luis Obispo County SWRP; 2. Sections 2.4.4, Advisors and Stakeholders; SWRP should help drive additional conversations between stakeholders, which was seen during TAC and Stakeholder and Public meetings held throughout the planning of the SWRP. 								
Υ	Y 48. Plan identifies specific audiences including local ratepayers, developers, locally regulated commercial and industrial stakeholders, nonprofit organizations, and the general public.							
Refere	nces:							
1. Sa Section 2-11.	n Luis Obispo County SWRP; 2 n 2.4.2, Technical Advisory Con	Section 2.2, Purpose, Se nmittee and Section 2.4.4,	ction 2.4.1, Project N Advisors and Staket	Management Team, nolders pp 2-2, 2-9, and				
	the contract of the contract o	OUTREACH, PUBL GUIDELINES SECTIO		ATION				
Y		gies to engage disadvantag aries and ongoing tracking						
Refere	nces:	Water from the second of the s						
1. Sa pp 2-2	n Luis Obispo County SWRP; 2 and 2-11 to 2-12	Section 2.2 Purpose and	Section 2.4.4, Adv	isors and Stakeholders,				
Y	50. Plan describes efforts within the watershed.	to identify and address en	vironmental injustice	needs and issues				
Refere	nces:							
1. San Luis Obispo County SWRP; 2. Section 2.2 Purpose, pp. 2-2.								
Y	51. Plan includes a sched	lule for initial public engage	ement and education					
Refere	nces:							
1. San Luis Obispo County SWRP; 2. Section 2.3.8, Meetings and Outreach/Education, pp.2-7								
DECLARATION AND SIGNATURE I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief.								
	rized Signature	<i>Public Wor</i> Title	ks Drector	2/20/2020 Date				
Addito	nzoy olynature	HUC		Dale				

Public Agency

Authorized Signature

Date

Title