

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							

This document serves to guide the City of Santa Maria's storm water pollution prevention program under State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ (2013 Permit). Findings 29 through 32 of the 2013 Permit describe certain provisions within Section E pertaining to compliance dates and the former regulating permit. Finding 32 of the 2013 Order indicates that in some instances Renewal Permittees' SWMPs (Storm Water Management Programs) that were approved under the 2003 Permit have incorporated BMPs designed to address locality-specific storm water issues that are more protective of water quality than the minimum requirements established by the 2013 Permit.

The City of Santa Maria, as a Renewal Permittee, has included in this Guidance Document the following: identification and brief description of each BMP and associated measurable goals included in the previously approved SWMP that is deemed to be more protective of water quality than the minimum requirements of the 2013 Permit. When a BMP from the previously approved SWMP is referenced in this Guidance Document, the reference includes all measurable goals associated with that BMP, as identified in the 2013 Annual Report attached as an addendum, unless otherwise stated. In no instance was any BMP or MG reduced or ceased if required by the minimum standards set by the 2013 Permit. In addition to the notes within this document regarding the City's approved 2010 SWMP, the 2013 Annual Report is uploaded to SMARTS to guide City staff and inform regulatory agencies and stakeholders on the City's management of storm water and control of potential pollutants.

E.6	PROGRAM MANAGEMENT ELEMENT														
E.6.a	Legal Authority - review , revise, or adopt ordinances to:														
(a)	Effectively prohibit non-storm water discharges through the MS4		X				City Attorney, Utilities		Current ordinances provide adequate authority for this BMP	Maintain	ID-5, MGs-1-4 Storm Water Runoff Pollution Prevention Ordinance was adopted in 2009, amended in 2013; ordinance shall be amended as needed throughout the term of this Order				
(b)	Detect and eliminate illicit discharges/illegal connections to the MS4		X												
(c)	Respond to discharges, dumping, disposals to MS4		X												
(d)	Require RPs to: a) detect leaks, correct within 72 hrs; b) properly design, aim sprinkler heads; c) not irrigate during rain; d) manage recycled water ponds		X												Municipal Code Title 8 provides for all requirements of this measure
(e)	Require operators of construction sites, new/redeveloped land, industrial/commercial facilities to utilize BMPs		X					Consistent with CASQA Handbook or equivalent							
(f)	Require information, review designs, determine if BMPs are adequate		X												
(g)	Enter private property to inspect consistent with applicable laws		X				Code Comp								
(h)	Require dischargers to cease, desist, abate		X											Municipal Code Title 8-12A provides for all requirements of this measure	
(i)	Levy citations, administrative fines, cost recovery		X												
(j)	Impose civil or criminal sanctions, escalate enforcement when appropriate		X											Municipal Code Title 1 provides for all requirements of this measure	
E.6.b	Certification - certify that City has legal authority to enforce this Order; certification to include:														
(a)	Identification of departments conducting storm water related activities, responsibilities, roles		X												
(b)	Citation of ordinances		X												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(c)	Identification of administrative, legal procedures, ordinances available to mandate compliance		X				Utilities, City Attorney		No	Implement new BMP			
(d)	Description of how ordinances are reviewed/implemented		X										
(e)	Statement that City will implement enforcement actions consistent with Enforcement Response Plan		X										
E.6.c	Enforcement Measures and Tracking - develop an Enforcement Response Plan (ERP) to describe how City will use each type of enforcement response based on violation:												
(a)	Verbal warnings			X			Reg Comp, Code Comp		No	Implement new BMP			
(b)	Written notices			X									
(c)	Escalated Enforcement Measures 1) Citations (w/fines) 2) Stop Work Orders 3) Withholding of plan approvals/authorizations 4) Additional measures			X									
E.7	EDUCATION AND OUTREACH PROGRAM												
	Community-Based Social Marketing (CBSM)												
	Community-Based Social Marketing (CBSM)		X				Utilities Bus Serv, Reg Comp	City plans to partner with City of Guadalupe on CBSM Per 5/5/13 letter from RWQCB CBSM activities shall include: • Pilot Program • Research on barriers and benefits to desired behaviors • Commitments from target audiences • Use of prompts • Implementation of social norms/modeling • Education messages • Incentives • Methods for removing barriers	No	Implement new BMP			
E.7.a	Public Education and Outreach												
	1-4) Select outreach option; if regional program, develop agreements	X					Utilities Bus Serv, Reg Comp	Under previous SWMP, City selected to fulfill outreach and education requirements on its own within its jurisdictional boundaries		Completed; City implements the equivalent of E.7.a.3			

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(a)	Develop and implement comprehensive education and outreach program		X				Utilities Bus Serv	City contracts with Science Discovery for classroom education and field trips and plans to partner with City of	Yes	Maintain all but one; that one has been revised	PE-2 Make-the-Connection Website, PE-3 Local Events, PE-5 Children's Educational Program, PE-6 Media Campaigns, PE-7 Business Outreach, PE-8 Signage at City Parks, PE-9 Storm Water Logo	City has ceased implementation of PE-4 Storm Water Hotline, which has gone largely unused and was determined to be a poor use of resources; equivalently, storm water related calls come in through the regular City customer service or emergency lines and are responded to upon receipt	
(b)	Conduct surveys 2x during permit term		X		X								Utilities Reg Comp
(c)	Develop, convey specific storm water message that focuses on POCs, target audience, regional water quality issues		X				Utilities Reg Comp	City completed this BMP under previous SWMP		Maintain	PE-1 Brochures targets restaurants, automotive facilities, and residents in English and Spanish		
(d)	Disseminate education materials to target audiences and translate as appropriate		X										Utilities Bus Serv
(e)	Utilize public input in developing outreach program		X				Utilities Bus Serv				PE-1 Brochures targets distribution of education materials specific to restaurants, automotive facilities, and residents in English and Spanish		
(f)	Distribute educational materials		X										Utilities Water Conservation
(g)	Provide water efficient/storm water friendly landscaping information		X				Utilities Reg Comp				PE-2 Make-the-Connection Website includes a Community Reporting link, and the web address is published on all outreach materials; PE-8 Signage at City Parks describes the connection between parks and storm drain basins; PE-10 Storm Drain Labeling; City publishes reporting information on FAQ for internal staff; and City maintains an emergency call-out list for after hrs calls to 911		
(h)	Promote reporting of illicit discharges		X										

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(i)	Provide pesticide/fertilizer application information		X						Yes	Maintain	GH-1 Pollution Prevention/Good Housekeeping for Municipal Operations provides BMPs for appropriate uses of pesticides and Hazardous Material Storage; GH-4 Pesticide Management		
(j)	Provide materials to school children		X				Utilities Bus Serv	City contractor, Science Discovery, implements this BMP			PE-5 Children's Educational Program, City contracts with Science Discovery to provide classroom education, learning materials, and water quality field trips; the City will expand this program to include parochial and private schools		
(k)	Develop/convey messages specific to reducing discharges from organized car washes, mobile cleaning/pressure washing operations, landscape irrigation		X				Utilities Reg Comp	City also produces an Event Car Wash Fact Sheet to be signed and posted at all event car washes; City may reference Sacramento Stormwater Quality Partnership's River Friendly Carwash Program as an additional resource			City Water Conservation Program implements BMPs to address landscape irrigation; ID-7 Storm Water Pollution Prevention Statement of Understanding provides a storm water pollution prevention fact sheet and requires a signature from all persons applying for business licenses from the City; facts include how to protect the storm drain system from mobile/pressure washing and car washing runoff; PE-7 Business Outreach focused on mobile operations under previous SWMP		
(l)	Conduct organized car wash education		X										
(m)	Develop/convey messages specific to mobile cleaning/pressure washing businesses		X										
E.7.b.	Staff and Site Operator Training												
E.7.b.1	Illicit Discharge Detection and Elimination Training - develop, implement training for City staff who may observe or respond to an IDDE; include:												
(a)	Identification of an illicit discharge/illegal connection			X			Utilities Reg Comp		No	Implement new BMP			
(b)	Procedures for reporting/responding to illicit discharge/illegal connection			X									
(c)	Provide follow-up training to address any procedural changes			X		Various Dept Supvs							
(d)	Annual assessment of staff knowledge; refresher training as needed			X									
(e)	Train new staff within 6 months			X		Utilities Reg Comp, HR							

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(f)	Provide reporting information in fleet vehicles			X			Utilities Reg Comp		Yes	Maintain or produce equivalent	GH-2 describes the IDDE pocket guide distributed to all City staff during training sessions; pocket guide is printed on water-proof paper		
(g)	Focused IDDE education, locations			X					No	Implement new BMP			
E.7.b.2	Construction Outreach and Education												
(a)	Permittee Staff Training - ensure City staff implementing construction site storm water program are trained												
(a)	Plan reviewers, permitting staff qualified/knowledgeable to review erosion and sediment control plans and certified QSD		X				PW Eng	City shall enhance the current training BMPs and ensure staff attain the appropriate QSD/QSP certifications	Yes	Maintain and include new requirement for QSD/QSP certifications	GH-1 Pollution Prevention/Good Housekeeping for Municipal Operations describes storm water pollution prevention training for municipal staff; GH-2 Storm Water Pollution Prevention Training specifies training for plans reviewers		
(b)	Erosion sediment control/storm water inspectors qualified/knowledgeable in inspection procedures and certified QSP		X										
(c)	Third-party plan reviewers, permitting staff, inspectors trained		X										
(b)	Construction Site Operator Education - develop, distribute educational materials to construction site operators on:												
(a)	BMP selection, installation, implementation, maintenance			X	X	X	Utilities Reg Comp, PW Eng		No	Implement new BMP			
(b)	Develop or utilize existing outreach tools			X									
(c)	Distribute outreach materials to construction site operators disturbing land in MS4 boundary; include City contact information			X									
(d)	Update City website to include information on BMP selection, installation, implementation, maintenance			X									
E.7.b.3	Pollution Prevention and Good Housekeeping Staff Training - develop biennial good housekeeping training; determine need for interim training during alternate years; train all new hires within 1 year												
(a)	Biennial employee training		X		X		Utilities Reg Comp		No	Implement new BMP			
(b)	Biennial assessment			X		X							
(c)	Require good housekeeping compliance of contractors		X				Various Dept Supvs		No	Implement new BMP			
(d)	Provide oversight of contractor activities		X										
E.8	PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(a)	Develop public involvement/participation strategy		X				City Admin, Utilities Reg Comp		City will incorporate a storm water component in its existing Neighborhood Action Plan that includes community outreach meetings, Police and Code Compliance Walk-N-Talks and patrols, and distribution of printed material; Community Outreach events are published on City's website and publicized through appropriate media	Yes	Maintain		
(b)	Consider citizen advisory group		X										
(c)	Create participation opportunities		X										
(d)	Ensure public can access info about program		X				City Admin, Utilities Reg Comp					PE-2 Storm Water Program-Make-the-Connection Website is maintained to be relevant and current with new or updated information	
(e)	Engage in IRWMP or equivalent		X				Utilities Bus Serv	Santa Barbara County, other agencies within County	The City has participated in the local IRWMP since 2006 and will maintain that participation under this BMP	No	Maintain	The City participated in the IRWMP even though it was not a SWMP BMP; the City will continue its involvement under this Order	
(f)	Storm Water Working Group (SWWG)	X	X	X	X	X	Various City Depts		Not required under this Order	Yes	Maintain	PP-2 Storm Water Working Group MG-1 Hold SWWG meetings quarterly; develop minutes and action items MG-2 Modify the format of SWWG meetings as necessary	
(g)	Santa Barbara County Association of MS4 Managers (SBCAMM)	X	X	X	X	X	Utilities Reg Comp		Not required under this Order	Yes	Maintain	PP-3 Santa Barbara County Association of MS4 Managers MG-1 Attend and participate in quarterly meetings; document attendance	
E.9	ILLCIT DISCHARGE DETECTION AND ELIMINATION												
E.9.a	Outfall Mapping - create and maintain outfall map												
(a)	Create outfall map showing drainage areas, land uses, GPS coordinates, photos, and electronic database		X										
(b)	Locate and name all water bodies receiving direct discharges from the outfall pipes		X										

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))	
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee						
		2014	2015	2016	2017	2018								
(c)	Include (and update annually) priority areas: 1) with older infrastructure 2) industrial, commercial, mixed use 3) with history of illicit discharges 4) with history of illegal dumping 5) with onsite sewage disposal 6) upstream of sensitive water bodies 7) 36" drains to ocean 8) others		X	X	X	X	Utilities Wtr Res, Reg Comp, IT		City may use CWP's guide on IDDE and accompanying outfall reconnaissance field sheets or equivalent	No	Implement additional measures under new BMP	Under ID-2 Municipal Storm Sewer System Map, the City created a drainage map on GIS that includes some permit requirements; map will be enhanced to incorporate remaining requirements		
(d)	Field sampling stations		X											
(e)	Permit boundary		X											
E.9.b	Illicit Discharge Source/Facility Inventory - create, maintain inventory of industrial/commercial facilities													
(a)	Include: • facility name • address • nature of business/activity • physical location (lat-long) of receiving storm drain • name of receiving water, whether facility/source is tributary to sensitive water body		X				Utilities Reg Comp			No	Implement new BMP			
(b)	Include: • vehicle salvage yards • metal and recycled materials collection facilities • waste transfer facilities • vehicle mechanical repair, maintenance, cleaning • building trade central facilities/yards • corporation yards • landscape nurseries, greenhouses • building material retailers/storage • plastic manufacturers • others		X											
(c)	Determine whether facilities required to enroll under IGP have done so; if not, notify RWQCB		X											
(d)	Revise inventory annually			X	X	X								

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(e)	Develop, implement procedures to identify priority areas, procedures to include field observations, field screening, inspections, other methods; alternatively , establish self-certification program where City requires reports from authorized parties demonstrating prevention/elimination of illicit discharges from priority area facilities <u>at least once within permit term</u>			~X									
E.9.c	Field Sampling to Detect Illicit Discharges - while conducting outfall inventory (see E.9.a.), sample outfalls flowing, ponding >72 hrs after rain event; conduct dry weather sampling (>72 hrs after rain event) annually for outfalls identified as priority areas (see E.9.a.ii.c.)												
(a)	Use Table 1. Indicator Parameters (see "Tables"); alternatively , select parameters based on local knowledge of POCs (identify modifications, justifications in SMARTS prior to sampling)		X	X	X	X	Utilities Reg Comp	Dry weather sampling to be conducted between April and October	No	Implement new BMP			
(b)	Use Table 2 Action Level Concentrations for Indicator Parameters (see "Tables") to verify no exceedances; alternatively , align with parameters based on local knowledge of POCs (identify modifications, justifications in SMARTS prior to sampling)		X	X	X	X							
(c)	Conduct follow-up investigations within 72 hrs if action levels exceeded		X	X	X	X							
E.9.d	Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions - develop written procedures for conducting investigations into sources of illicit non-storm water discharges, include approach for discharge elimination, procedures to implement corrective actions (e.g., BMPs); conduct investigations within 72 hrs of awareness; if >72 hrs, identify actions being taken												
(a)	Discharges of sewage or significant contamination to be investigated within 24 hrs		X										
(b)	Prioritize investigations (e.g., sanitary sewer overflow) over less contaminated non-storm water discharges		X										

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))		
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee							
		2014	2015	2016	2017	2018									
(c)	Immediately report threats to human health or environment to County Public Health Dept		X				Utilities Reg Comp		No	Implement new BMP					
(d)	Determine, document all non-storm water discharges														
(e)	Take corrective actions, notify RP to eliminate illicit discharge within 72 hrs, conduct follow-up, field screening to verify elimination, document, seek recovery costs; utilize ERP (see F.6.c)		X												
E.9.e	Spill Response Plan - develop, implement, include:														
(a)	Agency roles, responsibilities (e.g., SBCDPH, PD, FD)	X					Utilities Reg Comp		No	Implement new BMP					
(b)	Complaint response procedures	X													
(c)	Investigation procedures	X													
(d)	Description of how cleanup is to be initiated/conducted	X													
(e)	Reporting procedures	X													
E.10	CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM														
E.10.a	Construction Site Inventory - create/maintain inventory of projects subject to local storm water ordinance, inventory to include:														
(a)	Contact information for owner, contractor	X					PW Eng, Utilites Reg Comp	City will maintain an inventory to include all construction sites ≤ 1 acre that require a grading permit	No	Implement new BMP					
(b)	Site information, location, status, project size, area of disturbance	X													
(c)	Location of project relative to waterbodies and whether sediment, turbidity impaired	X													
(d)	Project threat to water quality	X													
(e)	Current construction phase	X													
(f)	Required inspection frequency per local ordinance	X													
(g)	Project start and anticipated completion dates	X													
(h)	Date City approved Erosion and Sediment Control Plan	X													
E.10.b	Construction Plan Review and Approval Procedures - develop procedures to review, approve construction plan documents														

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
	(a) Prior to issuing grading/building permit, require construction site operator to prepare, submit Erosion and Sediment Control Plan (ESCP) containing site-specific BMPs meeting City's construction site storm water runoff control ordinance; City to review and approve any revisions	X					CD Bldg, PW Eng, Utilities Reg Comp		No	Implement new BMP			
	(b) ESCP to include rationale used to select BMPs, including supporting soil loss calculations, if necessary	X											
	(c) ESCP to list other applicable permits associated with grading activity (e.g., State CGP, 401 Certification)	X											
	(d) Review ESCPs using checklist or similar	X											
	(e) SWPPPs developed pursuant to CGP suffice; City to review SWPPPs	X											
E.10.c	Construction Site Inspection and Enforcement - use legal authority to implement procedures to inspect public, private construction projects; enforce if necessary												
	Minimally, inspect priority construction sites; prioritization based on project threat to water quality, that is: 1) erosion potential, 2) site slope, 3) project size, type, 4) sensitivity of receiving water bodies, 5) proximity to receiving water bodies, 6) non-storm water discharges, 7) projects >1 acre yet not subject to CGP, 8) past record of operator non-compliance. City to inspect: • prior to any land disturbance during rainy season to ensure sediment controls are in place • inspect BMP maintenance/effectiveness during active construction and based on construction site prioritization • following construction activity to ensure site stabilization and temporary BMPs have been		X				PW Eng		No	Implement new BMP			

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
E.10.d	NPDES Compliance Assurance Deposit	X	X	X	X	X	PW Eng		Not required under this Order	Yes	Maintain	CS-3 NPDES Compliance Assurance Deposit MG-1 Document number of projects requiring NPDES Deposits, emergency BMPs installed, costs incurred MG-2 Document and report enforcement actions	
E.11	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM												
E.11.a	Inventory of Permittee-Owned and Operated Facilities - develop, maintain inventory of City-owned/operated facilities that are potential threat to water quality; include:												
	<ul style="list-style-type: none"> • airports • animal control facilities • chemical storage facilities • composting facilities • equipment storage/maintenance facilities including landscape-related • fuel farms • hazardous waste disposal facilities • hazardous waste handling/transfer facilities • incinerators • landfills • material storage yards • pesticide storage facilities • public buildings including schools, restrooms • parking lots • golf courses • swimming pools • parks • PW yards • marinas • recycling facilities • salt or de-icing storage facilities • solid waste handling/transfer facilities • transportation hubs • vehicle storage/maintenance facilities 		X				Utilities Reg Comp		No	Implement new BMP			
E.11.b	Map of Permittee-owned or Operated Facilities - submit map identifying City-owned facilities												
	Identify facility, storm water drainage system, how water leaves site, receiving waters, contact information for facility manager		X				Utilities Reg Comp, IT		No	Implement new BMP			
E.11.c	Facility Assessment - assess City-owned facilities												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))						
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee											
		2014	2015	2016	2017	2018													
(a)	Identify pollutant hotspots: facilities with high potential to generate pollutants, assign these a high priority; consider pollutant type, volume at site, improperly stored materials, activities that should be conducted indoors, proximity to water bodies, poor housekeeping practices, discharge of POCs to receiving waters; pollutant hotspots to include: maintenance yards, hazardous waste facilities, fuel storage/dispensing locations, airports, marinas, facilities where chemicals/materials have high potential to be discharged			X	X	X	Utilities Reg Comp		City may use CWP's guide on IDDE and accompanying outfall reconnaissance field sheets or equivalent	No	Implement new BMP								
(b)	Document comprehensive assessment procedures, results, site evaluation checklists			X	X	X													
E.11.d	Storm Water Pollution Prevention Plans - develop, implement SWPPPs for pollutant hotspots; alternatively , Hazardous Materials Business Plan, Spill Prevention Plan, or other equivalent will suffice																		
(a)	Develop, implement site-specific SWPPPs for hotspots, identify existing BMPs and those to be installed, implemented, maintained				X		Utilities Reg Comp & Various Dept Supvs		City may refer to CWP Unified Subwatershed and Site Reconnaissance Guide or equivalent	No	Implement new BMP								
(b)	Maintain SWPPPs on site, revise SWPPPs as necessary				X	X													
(c)	SWPPP shall address: 1) facility, contact information, 2) document purpose, 3) key staff, 4) site map with drainage identified, 5) identification of significant materials handled and stored, 6) description of potential pollutant sources, 7) BMPs, 8) spill response procedures, 9) inspection schedule, 10) inspection procedures and checklists				X														
E.11.e	Inspections, Visual Monitoring and Remedial Action - conduct regular inspections of City-owned facilities																		
(a)	Quarterly visual hotspot inspections using tracking log; document, keep records with SWPPP					X	Utilities Reg Comp & Various Dept			No	Implement new BMP								
(b)	Annual comprehensive hotspot inspections with specific attention to waste storage areas, dumpsters, vehicle, equipment maintenance/fueling areas; document, keep records with SWPPP					X													

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1 2014	2 2015	3 2016	4 2017	5 2018	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
(c)	Quarterly visual hotspot observation of storm water and non-stormwater discharges; document, keep records with SWPPP					X	various Dept Supvs						
(d)	Non-Hotspot inspections at each inventoried facility once during permit term	~X	~X	~X	~X	~X							
E.11.f	Storm Drain System Assessment and Prioritization - develop, implement procedures to assess, prioritize MS4 storm drain facilities												
	Assign priorities based on catch basins: 1) known to accumulate significant amounts of sediment, trash, debris 2) collecting large volumes of runoff 3) collecting runoff from areas w/o regular street sweeping 4) collecting runoff from drainage areas with exposed/disturbed soils 5) eliciting citizen complaints/reports		X				Utilities Reg Comp, Wtr Res		No	Implement new BMP			
E.11.g	Maintenance of Storm Drain System - begin maintenance of all high priority storm drain systems ongoingly												
(a)	Inspect storm drain systems based on assigned priorities (see E.11.f), minimally inspect high priority catch basins annually			X	X	X	Utilities Wtr Res		No	Implement new BMP			
(b)	Develop/implement schedule to clean high priority catch basins and systems; base frequency on priorities			X									
(c)	Label catch basins			X			PW Eng		Yes	Completed; City will maintain current installations, add installations when needed for new or replacement	PE-10 Storm Drain Labeling led to permanent storm drain markers being installed at all City storm drains in 2009; City developed Engineering Standards for design and installation; inventory of markers is kept for new development and replacements		
(d)	Maintain high priority surface drainage structures (e.g., those with recurrent illegal dumping) annually prior to rainy season; maintain non-priority structures as needed, remove trash, debris			X							Under BMP GH-6 Trash Control, the City ensured the installation of trash receptacles at all surface drainage facilities that serve as		

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
(e)	Develop, implement procedure to dispose of waste materials removed from catch basins			X			Rec & Parks		Yes	Maintain	parks; signage was installed; daily police and safety checks are performed; violations are enforced against, and the City implements an Adopt-A-Park program to facilitate community involvement; materials are disposed of at the City landfill		
E.11.h	Permittee Operations and Maintenance Activities (O&M) - assess City's O&M activities for potential to discharge pollutants, inspect all O&M BMPs on a quarterly basis												
(a)	Develop/implement program to assess O&M activities, develop applicable BMPs; include activities based on pollutant potential: 1) road, parking lot maintenance; sidewalk, curb, gutter, pothole repair; pavement marking, sealing, re-paving 2) bridge maintenance: chipping, grinding, saw cutting, painting 3) cold weather operations: plowing, sanding, de-icing, snow disposal 4) ROW maintenance: mowing, pesticide applications, plantings 5) large outdoor events, parades, street fairs 6) green waste in streets 7) graffiti removal 8) hydrant flushing			X			Utilities Reg Comp, Various Dept Supvs	City may utilize CASQA Municipal Handbook	No	Implement new BMP			
(b)	Identify all materials that could be discharged from the above activities			X									
(c)	Develop/implement appropriate BMPs			X									
(d)	Evaluate BMPs quarterly			XXXX	XXXX	XXXX							
E.11.i	Incorporation of Water Quality and Habitat Enhancement Features in Flood Management Facilities												
	Develop, implement process for incorporating water quality and habitat enhancement into design of all new and rehabilitated flood management projects			X			PW Eng		No	Implement new BMP			
E.11.j	Landscape Design and Maintenance - implement landscape design, maintenance program to reduce the amount of water, pesticides, fertilizers used during City operations/activities												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))	
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee						
		2014	2015	2016	2017	2018								
(a)	Evaluate use/application of pesticides, fertilizers; identify pollution prevention, source control opportunities		X				Rec & Parks		No	Implement new BMP				
(b)	Implement practices to reduce discharge of pesticides, fertilizers: 1) implement educational activities for municipal applicators, distributors 2) Implement non-chemical management measures: a) amend soils with compost b) create soil microbial community c) use native/climate-appropriate plants d) practice grasscycling e) keep grass, leaves out of waterways by mulching, composting, landfilling f) do not apply chemicals during irrigation or within 48 hrs of 50% chance of rain g) manual weed and insect removal h) prohibit applications as required by DPR i) reduce mowing 3) collect, dispose of unused chemicals properly 4) use evapotranspiration-based irrigation schedule and rain sensors		X											
(c)	Record pesticide, fertilizer uses		X											
E.11.k	Mutt-Mitt Program	X	X	X	X	X	Rec & Parks		Not required under this Order	Yes	Maintain	ID-4 Mutt Mitt Program MG-1 Inventory and map all current Mutt Mitt stations MG-2 Assess need for additional stations MG-3 Daily inspect and maintain MG-4 Support purchases of additional supplies and stations		

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1 2014	2 2015	3 2016	4 2017	5 2018	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
E.11.l	Street Sweeping	X	X	X	X	X	Utilities		Not required under this Order	Yes	Maintain, One Reduction	GH-1.1 Street Sweeping MG-1 Sweep State Hwys and selected areas twice weekly, main arterials weekly, residential streets every other week, and bike trails/parking lots monthly MG-2 Report curb miles swept, weight and volume, special sweep events MG-3 Assess program for improvements and revise as necessary	Until August 2010, the City swept the State Hwys by agreement with Caltrans. In an April 2010 letter, the City was notified that Caltrans would no longer be participating in the agreement, but would perform their own monthly sweeps of these Hwys.
E.11.m	Household Hazardous Waste Collection Facility	X	X	X	X	X	Utilities		Not required under this Order	Yes	Maintain	GH-3 Household Hazardous Waste Collection Facility MG-1 Develop radio or TV ads to promote facility and types of waste accepted MG-2 Document amount of waste collected and include in annual reports	
E.12	POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM												
E.12.e.	Low Impact Development (LID) Design Standards - require Regulated Projects to implement LID standards												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
E.12.e.(ii)(e) E.12.d	<p><u>Source Controls</u> - Design consistent with CASQA New Development and Redevelopment Handbook or equivalent, include:</p> <ul style="list-style-type: none"> a) accidental spills or leaks b) interior floor drains c) parking/storage areas, maintenance d) indoor structural pest control e) outdoor landscape pesticide use f) pools, spas, ponds, fountains, water features g) restaurants, groceries, food services h) refuse areas i) industrial processes j) equipment, materials stored outdoors k) vehicle, equipment cleaning l) vehicle, equipment repair/maintenance m) fuel dispensing area n) loading docks o) fire sprinkler test water p) drain/washwater from boilers, condensate, rooftop equipment, sumps q) unauthorized non-storm water discharges r) building, grounds maintenance 		X				PW Eng & Com Dev		Measures for these pollutant generating activities and sources shall be designed consistent with recommendations from the CASQA Stormwater BMP Handbook for New Development and Redevelopment or equivalent	No	Implement new BMP		
E.12.j	Planning and Development Review Process - assess gaps/impediments affecting implementation of post-construction requirements; seek solutions; prioritize review of landscape code												
	Conduct review; complete any changes to planning and permitting process by Yr 4	X	X	X	X		City Attorney, Utilities, Com Dev, PW Eng, Rec & Parks		While a gap analysis was completed in 2011-12, not all changes to codes, etc. have been finalized; prioritization will be given to landscape code	No	Utilizing the completed gap analysis, City will continue to make changes as necessary	PC-3.1 Enforceable Mechanisms describes analysis and resolutions of all codes, regulations, standards, and/or specifications to identify modifications and/or additions necessary to effectively implement hydromodification controls and LID	
	(a) Conduct analysis of landscape code to correct gaps/impediments impacting implementation of post-construction requirements	X				Rec & Parks							
	(b) Complete any changes to the landscape code		X										

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1 2014	2 2015	3 2016	4 2017	5 2018	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
E.12.k.	<p>Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region - comply with post-construction storm water management requirements based on a watershed-process approach developed by RWQCB, include:</p> <ul style="list-style-type: none"> • completion of comprehensive assessment of dominant watershed processes • LID site design and runoff reduction measures, numeric runoff treatment and retention, hydromodification controls • process by which RWQCB staff will engage permittees to manage requirements • annual reporting program 												
	<p>Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region</p>												
	Implement Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region (see CCPCR tab)	X					Utilities, Com Dev. PW Eng, Rec & Parks		Yes	City will Implement Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region (see CCPCR tab)	Under PC-3 the City shall implement post-construction measures under the Central Coast Regional Board's Joint Effort for Hydromodification Management Plan and LID Development		
E.13	WATER QUALITY MONITORING												
E.13.a.	ASBS Monitoring - MS4s that discharge to ASBS and are covered by an Ocean Plan exception comply with Attachment C	N/A											
E.13.b.	TMDL Monitoring - MS4s subject to TMDLs shall comply with monitoring requirements in Attachment G, consult with Regional Board within 1 year, implement according to EO	N/A											
E.13.c.	303(d) Monitoring - MS4s discharging to 303(d) listed waterbodies shall consult with Regional Board within 1 year of effective date to determine whether monitoring is necessary	X					Utilities Reg Comp		No	Implement new BMP			

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1 2014	2 2015	3 2016	4 2017	5 2018	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
E.13.d.	Receiving Water Monitoring and Special Studies (Select either Receiving Water Monitoring or Special Studies, if not already conducting E.13.a, b, or c)	N/A											
E.13.d.1	Receiving Water Monitoring	N/A											
E.13.d.2	Special Studies	N/A											
E.14	PROGRAM EFFECTIVENESS ASSESSMENT												
E.14.a	Program Effectiveness Assessment and Improvement Plan (PEAIP) - develop/implement PEAIP to track annual, long-term storm water program effectiveness, document permit compliance, adaptively manage storm water program												
(a)	Develop, implement a PEAIP to include: 1) identification of program goals, POCs, prioritized BMPs 2) documentation of the level of implementation of storm water program elements 3) identification of target audiences 4) assessment of BMP performance at achieving outcome levels 5) assessment of pollutant source reductions achieved by BMPs 6) quantification of pollutant loads and load reductions achieved 7) MS4 discharge quality, where available, including data analysis 8) receiving water quality data including data analysis 9) identification of long-term effectiveness assessment to be implemented beyond PEAIP shall assess BMP and program effectiveness in terms of the following Outcome Levels:		X										
(b)	1) storm water program activities 2) awareness 3) behavior 4) pollutant load reductions 5) MS4 discharge quality 6) receiving water conditions		X	X	X	X							
(c)	PEAIP shall identify assessment methods for privately owned BMPs		X	X	X	X							

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))			
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee								
		2014	2015	2016	2017	2018										
(d)	PEAIP shall identify assessment methods used to quantitatively assess BMP performance at reducing pollutant loads using: 1) direct quantitative measurement of pollutant load removal for BMPs that lend themselves to such measurement (e.g., sediment from street sweeping) 2) science-based estimates of pollutant load removal for BMPs where direct measurement is overly challenging (e.g., heavy metals) 3) direct quantitative measurement of behaviors that serve as proxies of pollutant reduction (e.g., construction site permit compliance) 4) visual comparison from one inspection to the next		X	X	X	X	Utilities Reg Comp	City may utilize CASQA's Municipal Storm Water Program Effectiveness Assessment Guidance	No	Implement new BMP						
(e)	PEAIP shall ask and answer: 1) Were prioritized BMPs implemented? a) Confirmation - documenting whether an activity or task has been completed expressed as yes or no b) Tabulation - simple counts or percentages 2) To what extent did prioritized BMPs change behavior? a) surveys or interviews b) interviews of site personnel c) inspections/direct observations 3) To what extent did prioritized BMPS reduce pollutant loads from sources to the		X	X	X	X										
(f)	PEAIP shall include water quality monitoring data to answer long-term management questions, BMP effectiveness, overall storm water program: 1) To what extent did BMP implementation change urban runoff and discharge quality? 2) To what extent did BMP implementation change receiving water quality? 3) Did exceedance of water quality objectives/standards persist? Include documentation of BMP effectiveness		X	X	X	X										

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
	Complete and submit an analysis of the effectiveness of modifications made at improving BMP and/or program effectiveness					X							
E.14.b	Storm Water Program Modifications - modify BMPs/program to improve program effectiveness; identify, summarize BMP/program modifications, include:												
(a)	Improve underperforming BMPs					X	Various Dept Supvs		No	Implement new BMP			
(b)	Continue, expand, modify, add to effective BMPs					X							
(c)	Discontinue, replace unproductive/ineffective BMPs					X							
(d)	Shift priorities to make effective use of resources					X							
E.15	Total Maximum Daily Loads Compliance Requirements												
E.15.a	Comply with all approved TMDLs (Attachment G)	X*					Utilities Reg Comp	Santa Barbara County, San Luis Obispo County, City of Guadalupe, Agriculture and Ranchers	No	Implement new BMP			
E.15.b	Waste Load Allocations (WLA), effluent limitations, implementation, and monitoring requirements adopted and approved by Regional Board Basin Plans and resolutions are incorporated by reference as enforceable parts of this Order and identified in Attachment G to this Order	X*											
E.15.c	Regional Board reviews TMDLs within one year of effective date and may propose modifications to requirements	X*											
E.15.d	Report status of implementation via SMARTS and include: i) a description of BMPs ii) assessment of BMP effectiveness in progressing towards WLA attainment iii) monitoring data, statistical analysis of the data iv) description of additional BMPs to be implemented	X*	X	X	X	X							

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ

NPDES General Permit No. CAS000004

WDRs for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)

Permit Section	Permit Element	Implementation Year July 1 - June 30					Responsible Implementing Party		Additional implementation notes, goals, milestones, etc.	A Is existing locally specific BMP more protective of water quality than minimum requirements of this Order? If yes, complete column B.	B Indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of existing locally specific SWMP BMP(s) more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
		1	2	3	4	5	Local MS4 Department	SIE, Regional Organization or, Co-permittee					
		2014	2015	2016	2017	2018							
E.15.e	Comply with implementation requirements specified in Category 4b demonstrations associated with CWA §303d, 306b, and 314	X*	X	X	X	X			approved on February 21, 2013 (TMDL effective date) by the State Office of Administrative Law; and approved on April 24, 2013 by the US Environmental Protection Agency.				
E.16	ANNUAL REPORTING PROGRAM												
E.16.a	Use SMARTS to report and certify												
E.16.b	Complete and retain Annual Report documentation and make available to Regional Board upon request	X	X	X	X	X	Utilities Reg Comp		No	Implement new BMP			
E.16.c	Submit detailed written or oral report to EO upon request												
E.16.d	Regional programs may coordinate reporting responsibilities												

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

E.12 POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM		
E.12.K.	Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region	Implementation Notes
Implement Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region.		
A. Watershed Management Zones (WMZs)		The City of Santa Maria overlies two WMZs; the northern portion of the City is categorized as WMZ 4 and the southern portion is categorized as WMZ 1; the entire City overlies the Santa Maria Groundwater Basin.
10 WMZs based on watershed processes and receiving water type (see attachment A*)		
1) Maintain ability to identify WMZs and their boundaries to determine applicable WMZ for projects.		
2) Maintain ability to identify if project overlies groundwater basin.		
B. Post-Construction Requirements (PCRs)		
Ensure City is reducing pollutant discharges to the MEP and preventing SW discharges from causing or contributing to a violation of receiving water quality standards in all applicable development projects that require approvals and/or permits issued under the City's planning, building, or other comparable authority.		
1) Regulated Projects include all new and redevelopment projects that create and/or replace $\geq 2,500$ sq ft of impervious surface collectively over the entire project site.		
a) including: i) removing and replacing paved surface that alters the original line and grade, hydraulic capacity, or footprint of road; ii) extending pavement edge or paving gravel shoulder; iii) upgrading dirt, gravel, or chip seal to asphalt or concrete.		
b) not including: i) road and parking lot maintenance; ii, iii) sidewalk, bike path, lane projects, trails, and pathways that direct SW to vegetated areas; iv) underground utility projects; v) curb and gutter work; vi) 2nd story additions; vii) raised decks, stairs, walkways that allow drainage; viii) solar panels; ix) temporary structures; x) utility vaults, lift stations, backflows; xi) fuel storage tanks with secondary containment.		
c) for all new development regulated projects: i) apply Site Design Measures; ii) apply WQ Treatment, Runoff Retention, and Peak Management as applicable to entire EISA (see attachment E*).		
d) for all redevelopment regulated projects : i) apply Site Design Measures; ii) apply WQ Treatment, Runoff Retention to entire EISA (see attachment E*); iii) apply Peak Management to additional runoff generated by increased impervious surfaces; iv) apply WQ Treatment, Runoff Retention to entire EISA (see attachment E*); iii) apply Peak Management to additional runoff generated by increased impervious surfaces; iv) apply WQ Treatment to runoff from existing, new, and replaced impervious surfaces where existing cannot be separated from new and replaced.		
e) apply PCRs within 1 yr of RWQCB approval: i) private development (1) discretionary projects that have not received first approval, (2) ministerial projects at the point of first ministerial approval; ii) public projects (1) develop an equivalent approach; iii) exemptions for projects that preceded approval or establish financial infeasibility (must be approved by RWQCB).		
2) Performance Requirement No. 1 - Site Design and Runoff Reduction		
a) require regulated projects that create and/or replace $\geq 2,500$ sq ft of impervious surface collectively over the entire project site to implement at least :		
i) limit disturbance of creeks and natural drainage features		
ii) minimize compaction of permeable soils		
iii) limit clearing and grading of native vegetation		
iv) concentrate improvements on least sensitive portions of site		
v) minimize runoff by implementing one or more :		
(1) direct roof runoff to cistern or rain barrel		
(2) direct roof runoff to vegetated area		
(3) direct runoff from sidewalks, walkways, patios to vegetated area		
(4) direct runoff from driveway and uncovered parking lot to vegetated area		

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

		(5)	construct bike lanes, driveways, parking lots, sidewalks, walkways, patios with permeable surfaces
			b) confirm compliance via documentation (e.g. checklists) accompanying project approval applications
		3)	<u>Performance Requirement No. 2 - Water Quality Treatment</u>
			a) Require regulated projects $\geq 5,000$ sq ft and single family homes $\geq 15,000$ sq ft of net impervious area (NIA)* implement WQ Treatment.
			b) Require regulated projects to treat runoff using below measures listed in order of preference:
			i) LID systems to harvest, use, infiltrate, and evapotranspire to collectively achieve:
		(1)	runoff retention equal to volume generated by 85th percentile 24-hour storm
			ii) Biofiltration treatment systems demonstrated to be at least as effective as:
		(1)	maximum surface loading rate to prevent erosion, scour and channeling within system itself and equal to 5"/hr based on runoff produced from rain event equal to or at least:
			(a) 0.2 inches per hour intensity; or
			(b) 2 times the 85th percentile hourly rainfall intensity for the applicable area
		(2)	minimum surface reservoir volume equal to system surface area times 6" depth
		(3)	minimum planting medium depth* of 24"
		(4)	proper plant selection*
		(5)	subsurface drainage/storage (gravel) layer with an area equal to the system surface area and a minimum depth of 12"
		(6)	underdrain with discharge elevation at top of gravel layer
		(7)	no compaction of soils beneath the biofiltration facility
		(8)	no liners or barriers to interfere with infiltration unless lateral infiltration is infeasible
			iii) Non-retention based treatment systems that collectively achieve at least one of the following:
		(1)(a)	Volume Hydraulic Design Basis - treat volume generated by 85th percentile 24-hour storm
		(1)(b)	Flow Hydraulic Design Basis - action depends on flow capacity sized to treat:
			(i) runoff from 2 times the 85th percentile hourly rainfall intensity for the applicable area
			(ii) runoff from rain event at least 0.2 inches per hour intensity
			c) Require applicant to provide below information in a Storm Water Control Plan :
			i) Project name, application #, location, address, APN
			ii) Name of applicant
			iii) Project phase number if applicable
			iv) Project type (e.g. commercial, industrial, public, mixed use...)
			v) Total project site area
			vi) Total new impervious, replaced impervious, and new pervious areas and NIA calculation
			vii) Statement of applicable WQ Treatment Performance Requirements
			viii) Summary of Site Design and Runoff Reduction Performance Requirements
			ix) Description of all PC structural SCMs
			x) Supporting calculations of WQ Treatment Performance Requirements
			xi) Certifying documentation that selection, sizing, and design of SCMs meet WQ Treatment Performance Requirements
			xii) Calculations used to comply with WQ Treatment Performance Requirement; supporting analysis for determination of infeasibility

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

			xiii) Statement of Compliance	
		(1)(a)	documentation of volume for which compliance cannot be achieved on site, and associated off site compliance requirements	
		(1)(b)	statement of intent to comply via Alternative Compliance	
		4)	<u>Performance Requirement No. 3 - Runoff Retention</u>	
		a)	Require regulated projects that create and/or replace $\geq 15,000$ sq ft of impervious surface collectively over the entire project site, and detached single family homes $\geq 15,000$ sq ft of NIA to meet Runoff Retention Performance Requirements.	
		b)	Adjustments for redevelopment where project includes replaced impervious surface:	
		i)	redevelopment projects outside of an approved USA - multiply total of replaced impervious surface by 0.5 when calculating volume of project runoff,	
		ii)	redevelopment projects within an approved USA - retain runoff from replaced impervious surfaces equal to pre-project runoff	
		c)	Require regulated projects to:	
		i)	For WMZs 1 and 4 (if overlying groundwater basin):	
		(1)	Retain 95th percentile 24-hour rainfall event	
		(2)	Achieve compliance via infiltration	
		d)	Require regulated projects to meet Runoff Retention Requirements via LID measures:	
		i)	Site Assessment Measures - require applicant to identify opportunities and constraints to implementing LID; document the following:	
			• site topography	
			• hydrologic features	
			• depth to seasonal high groundwater	
			• locations of groundwater drinking wells	
			• depth to impervious layer such as bedrock	
			• presence of unique geology (e.g. karst)	
			• geotechnical hazards	
			• documented soil and/or groundwater contamination	
			• soil types and hydrologic soil groups	
			• vegetative cover/trees	
			• run-on characteristics (e.g. off site discharges to project area)	
			• existing drainage infrastructure	
			• structures including retaining walls	
			• utilities	
			• easements	
			• covenants	
			• zoning/land use	
			• setbacks	
			• open space requirements	
			• other pertinent overlays	
		ii)	Site Design Measures - require applicant to optimize use of LID site design measures as feasible and appropriate; augment design strategies required by Performance Requirement No. 1 (Site Design and Runoff Reduction) with the following:	
			• define development envelope and protected areas	

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

			<ul style="list-style-type: none"> • conserve natural areas, existing trees, soils, vegetation • limit overall impervious footprint • construct streets, sidewalks, parking lot aisles to minimum widths necessary • set back development from creeks, wetlands, riparian habitats • conform site layout along natural landforms • avoid excessive grading and soil/vegetation disturbance 	
			iii) Delineation of discrete Drainage Management Areas (DMAs)	
			(1) require applicant to provide map or diagram dividing entire site into discrete DMAs	
			(2) require applicant to account for the drainage from each DMA using below measures:	
			iv) Require implementation of Site Design and Runoff Reduction Measures to reduce runoff for which retention and treatment is required.*	
			(1) undisturbed areas or areas with native vegetation are considered self-treating	
			(2) runoff from impervious surfaces may be directed to undisturbed or natural landscape areas when applicant demonstrates runoff will be infiltrated	
			v) Structural Storm Water Control Measures - where other measures have been determined to be infeasible:	
			(1) use structural SCMs that optimize retention and result in optimal protection and restoration of watershed processes	
			vi) Hydrologic Analysis and Structural Storm Water Control Measure Sizing - require applicants to use analysis and sizing methods outlined in Attachment D or locally/regionally calibrated continuous simulation model	
			e) Off-Site Mitigation - not required where technical infeasibility limits on-site compliance with Runoff Retention Requirement <u>AND 10% of project's EISA</u> has been dedicated to retention-based SCMs. WQ Treatment still required.	
			i) Use Attachment E to calculate 10% adjustment	
			ii) Use Attachment F to calculate off-site retention requirements when project cannot allocate full 10% of site's EISA to retention based SCMs	
			f) Require applicant to provide below information in a Storm Water Control Plan:	
			i) Project name, application #, location, address, APN	
			ii) Name of applicant	
			iii) Project phase number if applicable	
			iv) Project type (e.g. commercial, industrial, public, mixed use...)	
			v) Total project site area	
			vi) Total new and/or replaced impervious surface area	
			vii) Statement of applicable WQ Treatment and Runoff Retention Performance Requirements	
			viii) Adjusted requirements based on local jurisdiction's approval	
			ix) Site assessment summary	
			x) LID measures used:	
			(1) Site design measures	
			(2) Runoff reduction measures	
			(3) Post-construction structural SCMs	
			xi) Summary of Runoff Reduction and structural SCMs by DMA and entire site	
			xii) Supporting calculations	

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

			xiii) Documentation demonstrating infeasibility for Site Design and Runoff Reduction
			xiv) Documentation demonstrating infeasibility for retention based SCMs
			xv) Documentation demonstrating infeasibility for on-site compliance
			xvi) Documentation demonstrating percentage of project's EISA dedicated to SCMs
			xvii) Documentation of certification that selection, sizing, and design of SCMs meet WQ Treatment and Runoff Retention Requirements
			xviii) O&M plan for all structural SCMs to ensure long-term performance
			xix) Owner of facility
			xx) Statement of Compliance:
		(1)	Statement that WQ Treatment and Runoff Retention Requirements have been met on-site, or if not:
			(a) documentation of the runoff volume for which compliance cannot be achieved and associated off-site compliance volume
			(b) statement of intent to comply with WQ Treatment and Runoff Retention Requirements through Alternative Compliance agreement
		5)	Performance Requirement No. 4 - Peak Management
			Require all regulated projects that create and/or replace ≥22,500 sq ft of impervious surface collectively over entire project site in WMZ 1 to manage peak storm water runoff as required below:
		a)	i) Post-development peak flows shall not exceed pre-project peak flows for the 2- through 10-year storms
		b)	Require applicant to provide below information in a Storm Water Control Plan:
			i) Project name, application #, location, address, APN
			ii) Name of applicant
			iii) Project phase number if applicable
			iv) Project type (e.g. commercial, industrial, public, mixed use...)
			v) Total project site area
			vi) Total new and/or replaced impervious surface area
			vii) Statement of applicable WQ Treatment, Runoff Retention, and Peak Management Performance Requirements
			viii) Adjusted requirements based on local jurisdiction's approval
			ix) Site assessment summary
			x) LID measures used:
		(1)	Site design measures
		(2)	Runoff reduction measures
		(3)	Post-construction structural SCMs
			xi) Summary of Runoff Reduction and structural SCMs by DMA and entire site
			xii) Supporting calculations
			xiii) Documentation demonstrating infeasibility for on-site compliance
			xiv) Documentation of certification that selection, sizing, and design of SCMs meet WQ Treatment, Runoff Retention, and Peak Management Requirements
			xv) O&M plan for all structural SCMs to ensure long-term performance
			xvi) Owner of facility
			xvii) Statement of Compliance:
		(1)	Statement that WQ Treatment and Runoff Retention Requirements have been met on-site, or if not:

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

			(a) documentation of the runoff volume for which compliance cannot be achieved and associated off-site compliance requirements
			(b) statement of intent to comply with WQ Treatment, Runoff Retention, and Peak Management Requirements through Alternative Compliance agreement
	6) Performance Requirement No. 5 - Special Circumstances		
	Regulated projects may be designated as subject to Special Circumstances based on site and/or receiving water conditions; exempts project from Runoff Retention and/or Peak Management Requirements where those would be ineffective to maintain or restore beneficial uses; project still subject to WQ Treatment Requirements.		
	a) Special Circumstances include:		
		i) Highly Altered Channel	
		(1)	project discharges to concrete-lined or continuously armored channel
		(2)	project discharges to continuous underground storm drain system
		(3)	project discharges to other areas identified by RWQCB
		(4)	project shall not adversely impact downstream receiving waters
		ii) Intermediate Flow Control Facility	
		(1)	project discharges to existing flow control facility that regulates volume and duration of flow to levels demonstrated to be protective of beneficial uses
		(2)	flow control facility must have sufficient capacity
		(3)	include quantitative analysis based on numeric, hydraulic modeling of facility
		(4)	project shall not adversely impact downstream receiving waters
	b) Performance Requirements for Highly Altered Channel and/or Intermediate Flow Control Facility:		
		i) For regulated projects that create and/or replace $\geq 22,500$ sq ft of impervious surface and located in WMZ 1 or 4 (if overlying groundwater basin):	
		(1)	apply Water Quality Treatment Performance Requirement
		(2)	apply Runoff Retention Performance Requirement
		iii) Historic Lake and Wetland	
		(1)	City may designate project based on following conditions:
			(a) project located where once was a lake or wetland, and pre-development processes included filtration and storage but no significant infiltration
			(b) delineation of historic lake or wetland approved by RWQCB
	c) Performance Requirements for Historic Lake and Wetland:		
		i) For regulated projects that create and/or replace $\geq 15,000$ and $\geq 22,500$ sq ft of impervious surface:	
		(1)	apply Water Quality Treatment Performance Requirement
		(2)	detain runoff such that post-project peak discharge rate does not exceed pre-project rate for runoff up to 95th percentile 24 hr event
		ii) For regulated projects that create and/or replace $\geq 22,500$ sq ft of impervious surface:	
		(1)	apply Water Quality Treatment Performance Requirement
		(2)	detain runoff such that post-project peak discharge rate does not exceed pre-project rate for runoff up to 95th percentile 24 hr event and the 2- through 10-yr storm events
	d) Documentation and Approval of Special Circumstances		
		i) Submit proposal to RWQCB EO for approval of Historic Lake and Wetland designation.	
		(1)	include delineation and supporting technical information

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

		(2) include documentation that proposal was completed by registered professional engineer, geologist, architect, and/or landscape architect.	
C. Alternative Compliance (Off-Site Compliance)			
	WQ Treatment, Runoff Retention, and Peak Management PRs achieved off-site through mechanisms such as developer fee-in-lieu, regional facilities, or other mechanism.		
	1)	Technical Infeasibility - off-site compliance may be allowed when structural SCMs are technically infeasible.	
		a) submit hydrologic and/or design analysis by a registered professional engineer, geologist, architect, and/or landscape architect demonstrating technical infeasibility.	
		b) submit description of off-site mitigation project (may be existing or prospective) that is as effective as on-site PCRs.	
		i) must be in same watershed	
		ii) include schedule for completion of off-site project	
		c) may be caused by site conditions including:	
		i) depth to seasonal high groundwater	
		ii) depth to impervious layer such as bedrock	
		iii) soil type limits infiltration	
		iv) pollutant mobilization in soil or groundwater is a concern	
		v) space constraints	
		vi) geotechnical hazards	
		vii) SCMs within 100' of drinking water well	
		viii) incompatibility with surrounding drainage system due to elevation or location	
	2)	Approved Watershed or Regional Plan (for Runoff Retention and Peak Management PRs).	
		a) submit proposed plan to RWQCB EO	
		i) submit description of off-site project (may be existing or prospective)	
		ii) must be in same watershed, or subject to RWQCB approval	
		iii) demonstrate project will be as effective as on-site PCRs; include quantitative analysis	
		iv) include schedule for completion of off-site project	
		b) use to meet WQ Treatment Requirements off-site only when:	
		i) demonstrated that on-site WQ treatment is infeasible	
		ii) demonstrated to comply with WQ Treatment Requirements	
	3)	Approved Urban Sustainability Area (USA) (for Runoff Retention and Peak Management PRs)	
		a) only for redevelopment in high density urban centers pedestrian- and/or transit-oriented projects that promote infill; submit proposal to RWQCB EO and include:	
		i) definition and delineation	
		ii) supporting information on intent to balance WQ with urban needs	
		iii) demonstration that Alternative Compliance for regulated projects in USA meet or exceed on-site requirements for Runoff Retention and Peak Management; include quantitative analysis.	
		b) use to meet WQ Treatment Requirements off-site only when:	
		i) demonstrated that on-site WQ treatment is infeasible	
		ii) demonstrated to comply with WQ Treatment Requirements	
		c) proposal deemed complete by EO within 60 days of completed proposal; approved/denied within 120 days of deemed complete (6 months total).	
	4)	Other situations approved by RWQCB EO	
	5)	Alternative Compliance Projects must be in same watershed or approved by RWQCB EO	

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

	6)	City shall develop schedule for completion of off-site projects and include milestone dates that identify funding, design, and construction.	
	a)	project to be completed ASAP and no longer than 4 years after certificate of occupancy	
	b)	timeline may be extended by RWQCB EO for up to 5 years contingent upon good faith efforts	
	c)	require sufficient funding to City for public off-site projects	
	d)	more restrictive timelines and requirements may be established by City	
D. Field Verifications of Post-Construction Storm Water Control Measures			
	1)	Establish and implement mechanism (e.g. checklist) to verify structural WQ Treatment, Runoff Retention, and/or Peak Management controls are designed and constructed with Requirements.	
	2)	Field verify all controls have been implemented in accordance with Requirements.	
	a)	third-party verification acceptable via registered PE, geologist, architect, landscape architect	
	b)	through enforceable mechanism ensure site access for O&M inspections	
E. Operation and Maintenance for Structural SCMs			
		Require O&M Plans and Maintenance Agreements that establish responsibility for structural controls on private and public	
	1)	O&M Plan (Storm Water Control Plan will suffice if these components are included)	
	a)	site map identifying all structural SW Control Measures requiring O&M practices	
	b)	O&M procedures for each structural LID facility, retention/detention basin, proprietary device, etc.	
	c)	include short- and long-term maintenance requirements, recommended frequency, and estimated cost	
	2)	Maintenance Agreement and Transfer of Responsibility for SCMs (e.g. legal agreements, covenants, CEQA mitigation requirements, CUPs)	
	a)	owner's signed statement accepting responsibility for O&M	
	i)	signed statement from public entity assuming responsibility for SCM stating that SCM meets local agency design standards	
	ii)	written conditions in sales or lease agreements or deed	
	iii)	written text in deeds, conditions, covenants, restrictions for multi-unit residential projects that require HOAs or individual owners to assume responsibility	
	iv)	other legally enforceable agreement or mechanism such as deed recordation in property deed that assigns responsibility	
	3)	Structural Storm Water Control Measure O&M Database	
	a)	SCM ID # and location/address	
	b)	type of SCM	
	c)	completion date of project stages	
	i)	construction	
	ii)	field verification of SCM	
	iii)	final project approval/occupancy	
	iv)	O&M Plan approval	
	d)	location where O&M Plan is available	
	e)	responsible party	
	f)	source of O&M funding	
	g)	verification that responsible party has maintained the SCM according to O&M Plan or indication that a self-inspection program is in place to verify SCM maintenance	
	h)	any identified problems including vector or nuisance issues	
F. Permittee Reporting Requirements			
	1)	Submit a sample checklist and number of permits regulated under PCR #1	

City of Santa Maria Storm Water Program Guidance Document for Municipal General Permit

	2) Submit report of PCRs #2, #3, #4, #5	
	a) total number of completed regulated projects	
	b) total number of regulated projects:	
	i) ≥5,000 and <15,000 (net impervious area)	
	ii) ≥15,000 and <22,500	
	iii) ≥22,500	
	c) a list of projects granted:	
	i) Special Circumstances - Highly Altered Channel	
	ii) Special Circumstances - Intermediate Flow Control Facility	
	iii) Special Circumstances - Historic Lake or Wetland	
	iv) Alternative Compliance - Technical Infeasibility	
	(1) PR #2 Water Quality Treatment	
	(2) PR #3 Runoff Retention	
	(3) PR #4 Peka Management	
	v) Alternative Compliance - Watershed or Regional Plan	
	vi) Alternative Compliance - USA	
	vii) Other Technical Infeasibility	
	(1) technical infeasibility to retain runoff volume (PR #3 Runoff Retention) using PR #1	
	(2) technical infeasibility to retain and/or treat runoff volume (PR #3 Runoff Retention) using retention-based SCMs	
	d) City confirmation of technical infeasibility determinations	
	e) list of mitigation projects constructed for Alternative compliance:	
	i) summary of pollutant and flow reduction analysis comparing the Alternative Compliance to otherwise required PRs	
	ii) summation of total off-site mitigation funds raised, location, general design concept, volume retained, estimated budget of pending public off-site mitigation projects	
	f) number of projects where field verification was not completed	
	g) number of projects where O&M Plan was not completed	
	h) number of projects where ownership and responsibility for structural SCMs was not completed	
	i) Structural Storm Water Control Measure O&M database or spreadsheet	
	i) provide RWQCB with electronic access	
G.	Pre-existing Programs	
	a) City may propose to RWQCB EO implementation of pre-existing PCRs	
	i) show them to be at least as effective	
	ii) show that they were being implemented already	
	iii) show that they include LID site design and runoff reduction, numeric runoff treatment and retention controls, numeric runoff peak management controls, and project applicability thresholds as effective as these	
	b) Submit within 30 days of PCR adoption	
	c) If denied, permittee must adhere to these PCRs.	

Table 1. Indicator Parameters

Indicator Parameters Used to Detect Illicit Discharges					
Parameter	Discharge Types It Can Detect				Laboratory/Analytical Challenges
	Sewage	Washwater	Tap Water	Industrial or Commercial Liquid Wastes	
Ammonia	●	⊙	○	⊙	Can change into other nitrogen forms as the flow travels to the outfall
Color	⊙	⊙	○	⊙	
Conductivity	⊙	⊙	○	⊙	Ineffective in saline waters
Detergents – Surfactants	●	●	○	⊙	Reagent is a hazardous waste
Fluoride*	○	○	●	⊙	Reagent is a hazardous waste Exception for communities that do not fluoridate their tap water
Hardness	⊙	⊙	⊙	⊙	
pH	○	⊙	○	⊙	
Potassium	⊙	○	○	●	May need to use two separate analytical techniques, depending on the concentration
Turbidity	⊙	⊙	○	⊙	

● Can almost always (>80% of samples) distinguish this discharge from clean flow types (e.g., tap water or natural water). For tap water, can distinguish from natural water.
 ⊙ Can sometimes (>50% of samples) distinguish this discharge from clean flow types depending on regional characteristics, or can be helpful in combination with another parameter
 ○ Poor indicator. Cannot reliably detect illicit discharges, or cannot detect tap water
 N/A: Data are not available to assess the utility of this parameter for this purpose.
 Data sources: Pitt (

*Fluoride is a poor indicator when used as a single parameter, but when combined with additional parameters (such as detergents, ammonia and potassium), it can almost always distinguish between sewage and wash water.

Table 2. Action Level Concentrations for Indicator Parameters

Indicator Parameter	Action Level Concentration
Ammonia	≥ 50 mg/L
Color	≥ 500 units
Conductivity	$\geq 2,000$ μ S/cm
Hardness	≤ 10 mg/L as CaCO ₃ or $\geq 2,000$ mg/L as CaCO ₃
pH	≤ 5 or ≥ 9
Potassium	≥ 20 mg/L
Turbidity	$\geq 1,000$ NTU