

Draft Phase II Small MS4 General Permit Overview

Christine Sotelo & Eric Berntsen
State Water Resources Control Board
Division of Water Quality
Storm Water Section

Who does the Draft Phase II Small MS4 General Permit apply to?

- Traditional MS4s - municipalities, cities & counties
- Non-traditional MS4s - state or federal facilities, special districts (universities, prisons, military bases, schools)
- Renewal Permittees - any MS4 currently designated
- New Permittees - Both Traditional & Non-traditional MS4s

Draft General Permit Timeline

- Existing permit - expired in 2008
- Spring 2008 - Began Stakeholder Process
- June 7, 2011 - Draft Released for Public Comment - 60 days
- August 8, 2011 - Comments Due
- August 17th - Board Member Workshop
- October - 2nd Draft Released - 30 day Public Comment
- November 2011 - Public Hearing
- January 2012 - Board Adoption Hearing

Significant Changes Draft General Permit

1. Remove Requirement for a Storm Water Management Plan
2. Specific Management Measures
3. Designation Criteria & Waiver Certification
4. Specific Provisions for Traditional and Non-Traditional MS4s
5. Program Management and Industrial/Construction Inspection Program
6. Trash Reduction Program
7. SMARTS used for NOIs and Reports
8. Watershed-based approach to post-construction
9. Specific TMDL Implementation Requirements
10. Receiving Water Monitoring
11. Program Effectiveness Assessments

1. Remove Requirement for Storm Water Management Plan (SWMP)

- No submittal of SWMP for review & approval
- Reduces Regional Board burden to review SWMPs
- Ensure opportunity for adequate public participation - 2005 Decision 2nd Circuit Court & 2003 Decision 9th Circuit Court

2. Specific Management Measures

- The permit is specific than existing permit (2003-005-DWQ)
- Identify task descriptions, implementation levels, annual reporting requirement for each management measure
- Permit is MEP, baseline for all programs
- Audit Findings support specificity
- USEPA Supported

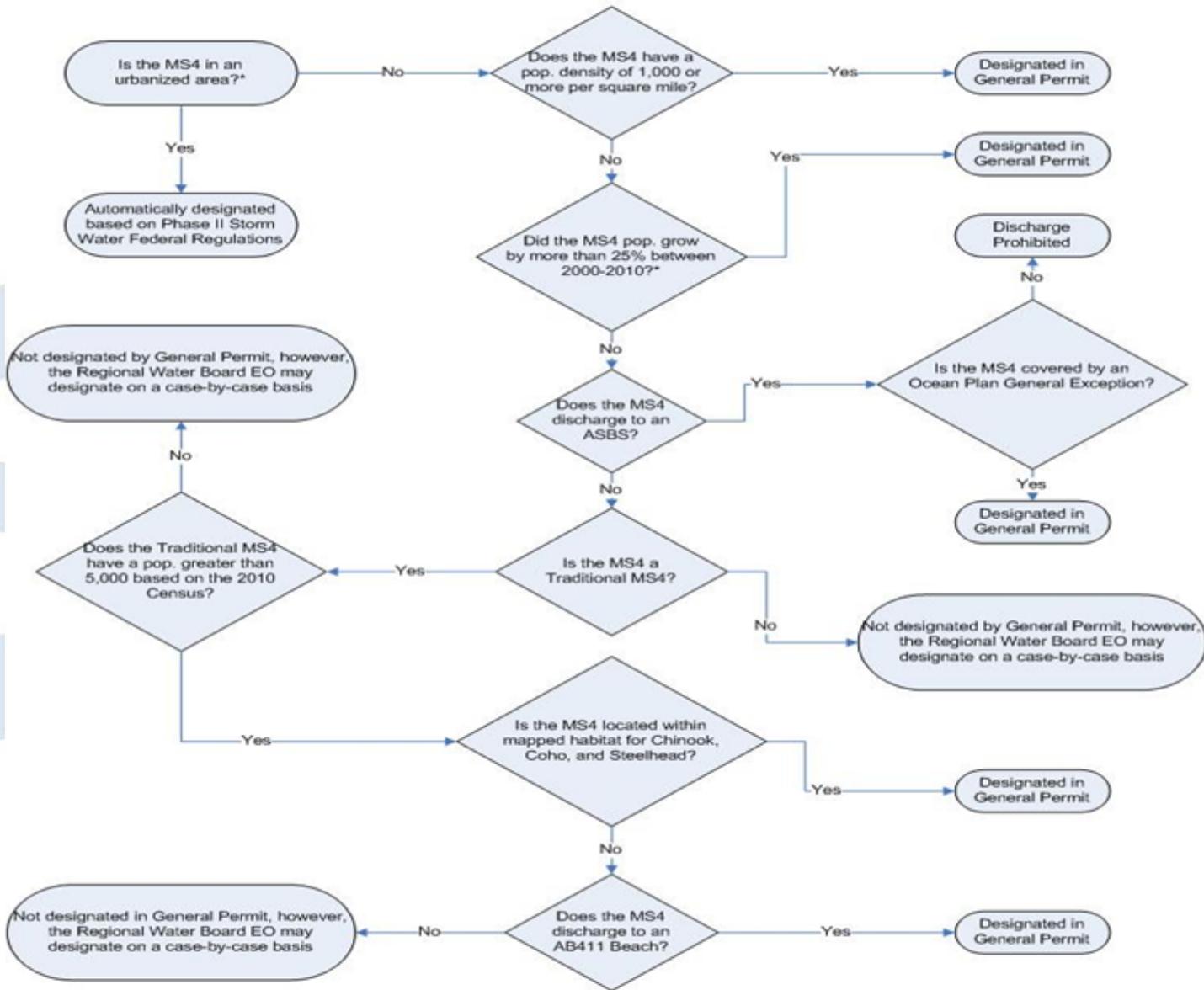
3. Designation Criteria & Waiver Certification

- Non-traditional MS4s - State Board automatically designates Permittees from attachment 3 of existing permit
- Schools not automatically designated
- Traditional MS4s - 2010 census data, sensitive water bodies (coho, chinook, steelhead), AB411, ASBS
- Waivers available for parks & economically disadvantaged communities
- Must demonstrate to Regional Board not a threat to water quality

Designation Criteria - The Latest

- Designation errors in application of criteria
- Inclusions, exclusions (private entities, bus lines)
- Developed a Designation Flow Chart
- Developed a New List of Traditional & Non-traditional MS4s
 - 2000 Census instead of 2010 Census
 - 2000 Urbanized Area Maps
 - Pulling back on Non-traditional Designations
 - Flood Management Agencies, SVRA, Transit Agencies
 - Notice of revised designations

**Draft Phase II Small MS4 General Permit
Designation Flow Chart
Friday, July 1, 2011**



*Current designation is based on U.S. Decennial Census data from 1990-2000. At any time during the permit term, State Water Board can designate additional MS4s when the U.S. Decennial Census data from 2000-2010 becomes available.

4. Specific Provisions for Traditional and Non-Traditional MS4s

- Compliance Tiers - New/Renewal Traditional Non-traditional MS4s & pop based
- Compliance timelines more generous for Permittees who partner with existing programs
- Renewal Traditional & Non-traditionals MS4s subject to Regional Board review of existing program to meet MEP
- Less than 5k Traditional MS4s resemble a Non-traditional MS4 comply with Table 1

**Specific Section E Provisions for
New Traditional Small MS4s with a Population less than 5,000 & Non-Traditional Small MS4s¹**

Category	Program Management	Public Outreach & Education	Construction Outreach & Ed E.5.d.	Industrial /Commercial Outreach & Ed E.5.c	Public Involvement/Public Participation	Illicit Discharge Detection & Elimination	Construction Site Storm Water Runoff Control	Pollution Prevention/Good Housekeeping	Industrial & Commercial Inspection	Post-Construction Requirements for New & Redevelopment & water Quality Monitoring & Assessment ²	Program Effectiveness Assessment	TMDL Requirements – unless named in ATT G	Online Annual Reporting
Traditional MS4s 5K or less	x	x	x		x	x	x	x			x	x	x
Fairgrounds	x	x		x		x		x	x	x	x	x	x
Flood Management Agencies	x	x	x		x	x	x	x		x	x	x	x
Higher Education Institutions (Community Colleges & Universities)	x	x	x		x	x	x	x		x	x	x	x
Military Bases	x	x	x	x	x	x	x	x	x	x	x	x	x
State Parks/Beaches/ Historical Areas	x	x			x	x		x		x	x	x	x
Ports	x	x	x	x	x	x	x	x	x	x	x	x	x
K-12, including Charter Schools ³	x	x	x		x	x	x	x		x	x	x	x
State & Federal Prisons/Health Institutions	x					x		x		x	x	x	x
State Vehicle Recreation Areas	x	x			x			x		x	x	x	x
Transit Agencies (Heavy rail)	x	x	x		x	x	x	x		x	x	x	x

¹ A Regional Water Board Executive Officer can determine a Renewal Non-traditional Small MS4 Permittee's current implementation of its storm water program BMPs meets the MEP standard and is equally or more effective at reducing pollutant discharges than implementation of the requirements of this Section. The Executive Officer may require continued implementation of the Permittee's current program BMPs and reporting requirements in lieu of implementation of the requirements of Table 1.

² Only applies to Non-traditional Small MS4 Permittees with Urban Land Uses totaling > 10% of any single HUC 12.

³ Only applies to Renewal K-12 School District Permittees and any additional K-12 School Districts designated by a Regional Water Board during the term of this permit.

Example of Compliance Tiers

- a) **New Traditional Small MS4 Permittees** with a population greater than 5,000 shall comply with all requirements of this Section.
- b) **New Traditional Small MS4 Permittees** with a population of less than 5,000 shall comply with the requirements of the Order sections listed in Table 1.
- c) **Renewal Traditional Small MS4 Permittees** shall evaluate their existing program and update the program as necessary to ensure their program meets the minimum standards of this Section. 13 The Permittee shall implement their updated program to comply with the minimum standards of this Section.
- d) **Non-traditional Small MS4 Permittees** shall comply with the requirements of the Order sections listed in Table 1.

5. Program Management and Industrial/Commercial Inspection Program

- Audits confirm Program Management essential
- Industrial/commercial inspection program highly encouraged by USEPA
- Phase II Permittees already inspecting industrial/commercial facilities
- Leverage existing inspectors to implement inspections

6. Trash Reduction Program

- Only applies to Traditional Permittees with 25,000 population
- Submit Trash Abatement Plan to Regional Board
- Adopt ordinance
- Require 20% of commercial/retail/wholesale to install structural controls by end of permit term
- Consistent with Statewide Trash Policy & SF Water Board

7. SMARTS used for NOIs and Annual Reports

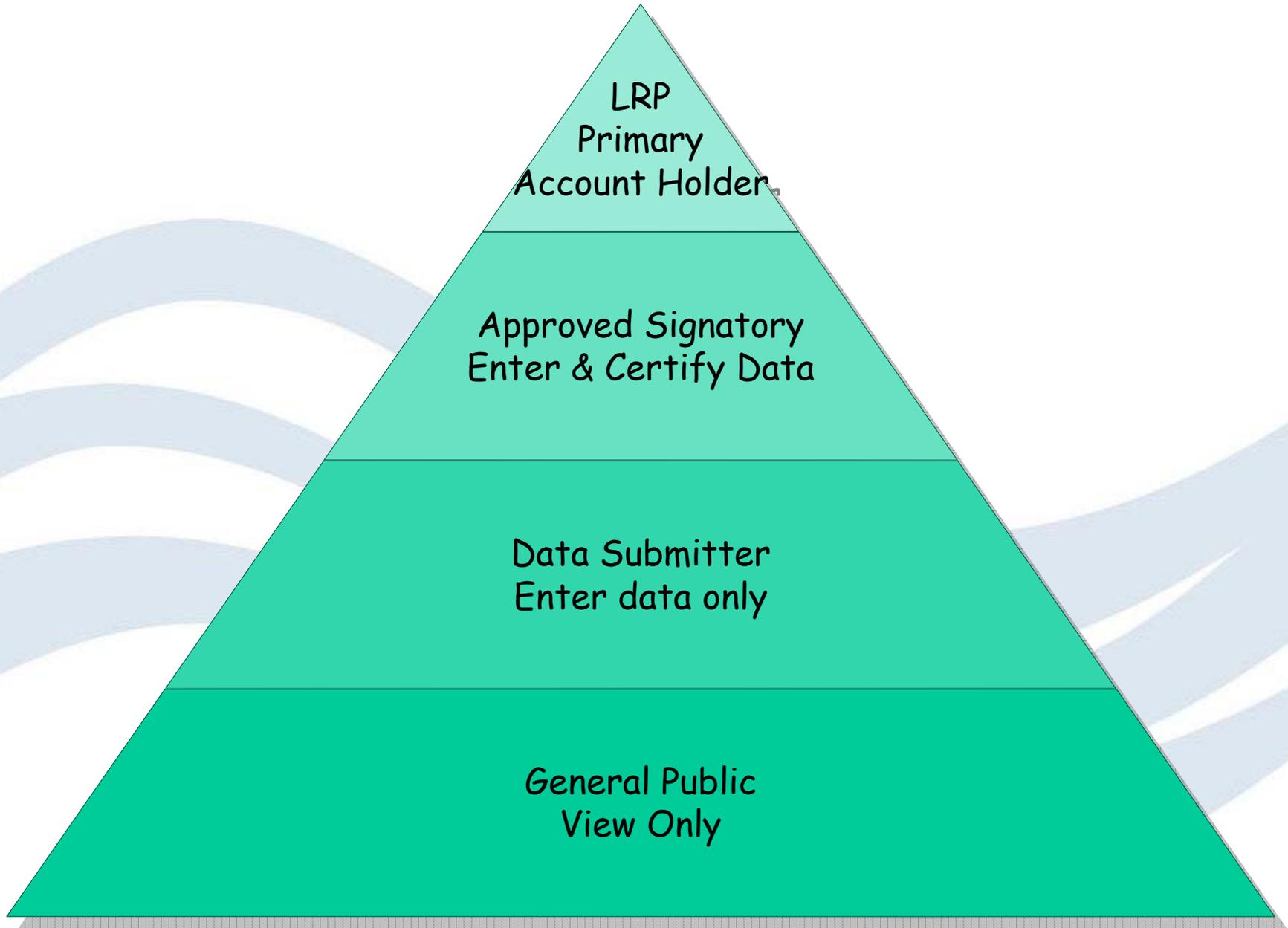
- Industrial and Construction Permittees already using SMARTS
- Reduces paperwork
- SMARTS will have screens and pull down menus that mimic the permit sections

What is SMARTS?

- **Purpose:**
Provide a platform where dischargers, regulators, and the public can enter, regulate, and/or comment on storm water data including NOIs, NOTs, compliance, and monitoring data.
- Internet-based
- Available 24/7
- Reports
 - SWRCB/RWQCB prioritize regulatory tasks (i.e. inspections, view trends in compliance, provide data to the Legislature).
 - Public reports - NOI, Inspections, Violations, and Enforcement data.

SMARTS Users

- **State & Regional Water Board Staff**
- **External Users**
 - Legally Responsible Person (LRP)
 - Approved Signatory
 - Data Submitters
 - General Public



Monitoring Data Entry

Water Boards Storm Water Multiple Application & Report Tracking System 2

You are logged-in as: **Property Owner**. If this account does not belong to you, please log out.

Welcome to Storm Water Multiple Application Reporting and Tracking System - SMARTS

- **Approved/Terminated NOIs:**
View complete details of your applications, edit the allowed details, File a NOT for existing NOI and print the applicable documents s
- **Pending NOI/NOT:**
Search and Locate your NOI/NOTs that were started earlier but not submitted, to complete and submit.
- **Apply for New Notice Of Intent (NOI):**
Start a new Industrial, construction or Linear Notice Of Intent.
- **Annual Reports :**
View the annual reports submitted earlier.
- **Invoices:**
View invoices of your NOIs.
- **Change Password:**
Change your user account's password.
- **Update User profile:**
View and update your user account details.
- **Manage Data Submitters:**
Link, de-link your data submitters your NOIs and manage their privileges with respect to each of the NOIs.
- **Certify Existing NOI(s):**
Certify/Claim of your NOIs(Facilities)with SMARTS sent SCN.

Enter Sampling Data

General Info **Raw Data** Data Summary Attachments Certify Notes

The following are Sample Details along with Entered measurements (lab results).

Save & Stay Save & Add New Sample Save & Back To List Delete Sample

Discharge Description:* Storm Water Sample Date/Time:* Date and Time MM/DD/YYYY HH:mm format Rainfall Amount:

Time Discharge Started:* (hh24:mm) Enter mid-night time as 23:59 SWPPP practitioner:*

Parameter	ND Entry Result Qualifier	Result	Unit Conversions Units	Analytical Method	Method Detection Limit	Analyzed By	Delete
Electrical Conductivity @ 25 Deg. C	= <input type="text"/>	<input type="text"/>	umhos/cm	A2510B <input type="text"/>	<input type="text"/>	LAB <input type="text"/>	<input type="text"/>
Oil and Grease	= <input type="text"/>	<input type="text"/>	mg/L	A5520B <input type="text"/>	<input type="text"/>	LAB <input type="text"/>	<input type="text"/>
pH	= <input type="text"/>	<input type="text"/>	SU	A4500HB <input type="text"/>	<input type="text"/>	LAB <input type="text"/>	<input type="text"/>
Total Suspended Solids (TSS)	= <input type="text"/>	<input type="text"/>	mg/L	A2540D <input type="text"/>	<input type="text"/>	LAB <input type="text"/>	<input type="text"/>

Select Parameter Save & Stay Save & Add New Sample Save & Back To List Delete Sample

Data Summary

General Info Raw Data **Data Summary** Attachments Certify Notes

Discharge Description	Sample Date / Time	Discharge Time	SWPPP Practitioner	Parameter	Result in Units	Analytical Method	Method Detection Limit	Analyzed By	
Storm Water	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	Ammonia, Total (as N)	=0.7 mg/L	A4500NH	0.1	SELF	Delete
Authorized Non SW	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	Chemical Oxygen Demand (COD)	=84 mg/L	A5220D	10	SELF	Delete
Authorized Non SW	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	Electrical Conductivity @ 25 Deg. C	=34 umhos/cm	E120.1	20	SELF	Delete
Authorized Non SW	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	Oil and Grease	<2 mg/L	E413.2	2	LAB	Delete
Unauthorized Non SW	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	pH	=6.7 SU	SW9041A	0.2	SELF	Delete
Unauthorized Non SW	12/22/2008 10:00:00	09:10:00	Michael Hutton, Operator III	Total Suspended Solids (TSS)	=76 mg/L	E160.2	0.5	SELF	Delete
Storm Water	02/05/2009 14:40:00	14:20:00	Jake Candelaria, Operator III	Ammonia, Total (as N)	=1.9 mg/L	A4500NH	0.1	SELF	Delete
Storm Water	02/05/2009 14:40:00	14:20:00	Jake Candelaria, Operator III	Chemical Oxygen Demand (COD)	=191 mg/L	A5220D	10	SELF	Delete
Unauthorized Non SW	02/05/2009 14:40:00	14:20:00	Jake Candelaria, Operator III	Electrical Conductivity @ 25 Deg. C	=85.6 umhos/cm	E120.1	20	SELF	Delete

Attachments

General Info

Raw Data

Data Summary

Attachments

Certify

Notes

Please provide the following details to upload the corresponding files.

Attachment FileType:

SWPPP

Attachment Title :

File Description:

If Partial Document, Part No

 of Total Parts

Click "Browse" to locate the file and then click "Upload File"

File Name

Browse...

UpLoad File

Attached files: The following are the current documents related to the SWARM Reports. Click on the link to view them.

Attachment Id

File Type

File Title

File Desc

Doc Part No/Total Parts

Certification

Water Boards Storm Water Multiple Application & Report Tracking System 2

You are logged-in as: Tom Rosales . If this account does not belong to you, please log out.

Storm Water Annual Report Monitoring (SWARM)

Facility Name:	3A Treatment Plant	Agency:
WDID ID:	9 30C016602	Report Status
Event Period:	01/13/2010 - 01/14/2010 Update	

[General Info](#) [Raw Data](#) [Data Summary](#) [Attachments](#) [Certify](#) [Notes](#)

Before certifying your Annual Report, the system must verify that all required sections have been completed. To perform the

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LRP or Approved Signatory must certify

Storm Water Help Desk

- General Permit Inquiries
stormwater@waterboards.ca.gov
- Database Inquiries:
smarts@waterboards.ca.gov
- Telephone Toll Free - 1-866-563-3107
- Fax - (916) 341-5543

8. Watershed-based approach to post-construction

- Projects approved by Non-Traditionals must match pre and post-project runoff volumes and time of concentration (similar to CGP)
- Phase II within an active Phase I must comply with Phase I requirements
- Larger Traditional MS4s must employ watershed-based stormwater management

9. Specific TMDL Implementation Requirements

- Specific implementation language for TMDLs where urban storm water is listed as source
- Permit also includes specific implementation language for 303d listed waterbodies
- All TMDLs that come before State Board for approval **must** have implementation language

10. Receiving Water Monitoring

- Restricted to Traditional MS4s with more than 25,000 population or Non-Traditionals with more than 10% urban land uses within a HUC 12 subwatershed
- Stressor analyses required if receiving water quality standards are exceeded
- Partnering strongly encouraged (flexible compliance dates)

11. Program Effectiveness Assessments

- Use CASQA program effectiveness handbook to assess program measures
- Use SWRCB-SB-Program Effectiveness Manual for overall program effectiveness
- BMP maintenance assessment, watershed pollutant loading and BMP removal effectiveness included in this task

Contact Information

Christine Sotelo

csotelo@waterboards.ca.gov

(916) 322-1400

Eric Berntsen

eberntsen@waterboards.ca.gov

(916) 341-5911