

PHASE II SMALL MS4 PERMIT WORKSHOP



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State Water Resources Control Board
Division of Water Quality
May 2013



Overview

- Workshop Goals
- Permit Background
- Permit Requirements Overview and Resources
- Question and Answer Session

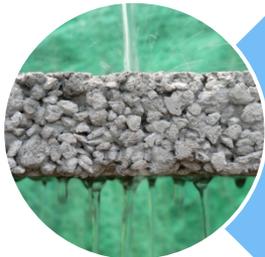
Workshop Goals



Provide program requirement overview



Provide program element guidance and available resources



Break down more complex requirements

Background - Storm Water Regulation



- Discharge of pollutants to water of the United States from any point source is unlawful unless the discharge is in compliance with a National Pollutant Discharge Elimination System (NPDES) permit

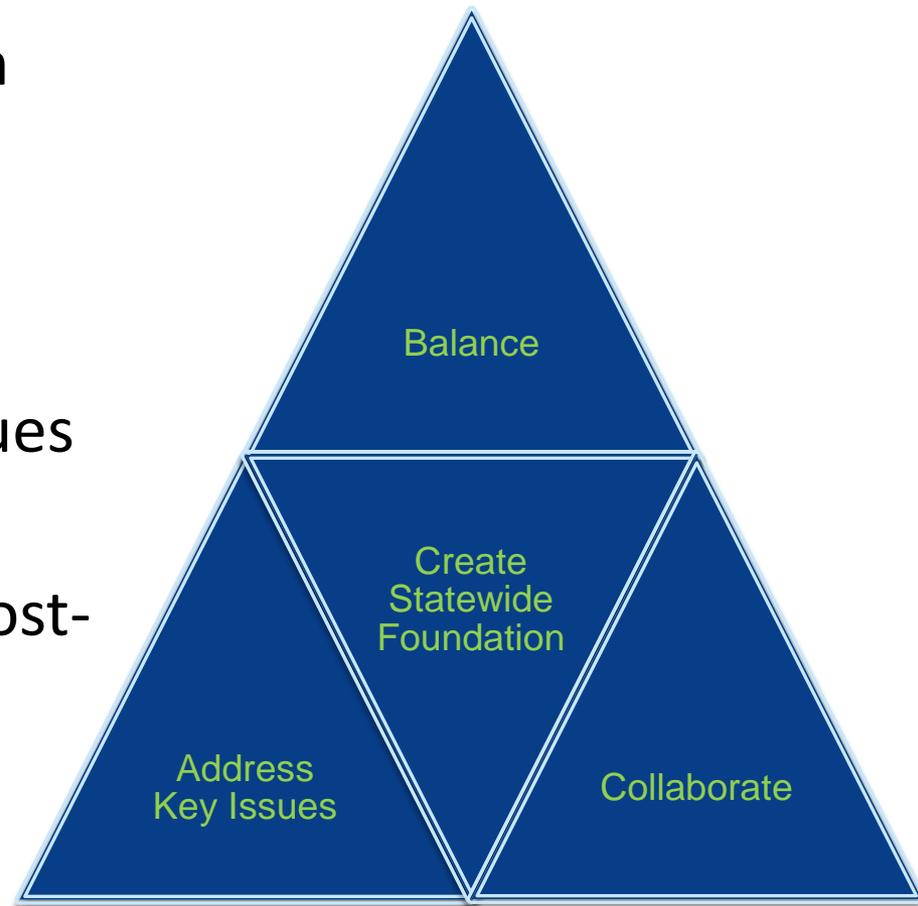
Background - Permit Schedule



Background - Stakeholder Process

6

- Create statewide foundation
- Collaborate with Regional Boards, Small MS4s, Non-governmental organizations
- Address stakeholder key issues and concerns
- Balance water quality and cost-effectiveness



Background - Objectives

- 1) Focus on water quality issues after projects are built
 - Post-Construction
- 2) Focus on cost-effective requirements that provide multiple benefits
 - Low Impact Development
- 3) Target high priority water bodies
 - Areas of Special Biological Significance (ASBS)
 - Total Maximum Daily Loads (TMDLs)



Permit Requirements

- Application Requirements
- Program Management
- Education and Outreach
- Public Involvement and Participation
- **Illicit Discharge Detection and Elimination**
- Construction
- Pollution Prevention/Good Housekeeping
- **Post-Construction**
- **Monitoring**
- Program Effectiveness and Assessment



Application Requirements

- Notice of Intent (NOI)
- Permit Boundary Map
- Guidance Document
- Applicable Fee



General Process

STEP 1: Fill out the NOI information, upload the guidance document and Phase II permit boundary map online via SMARTS.

STEP 2: Once the NOI is complete and the guidance document and boundary map are uploaded, make sure it is the LRP* that submits the NOI online (this is considered certification). Mail in appropriate fee.

STEP 3: Submit wet signature of any LRP or DAR that may submit a report to the State Water Board prior to submittal/certification of annual reports.**

* LRP – Legally Responsible Person

**DAR – Duty Authorized Representative

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

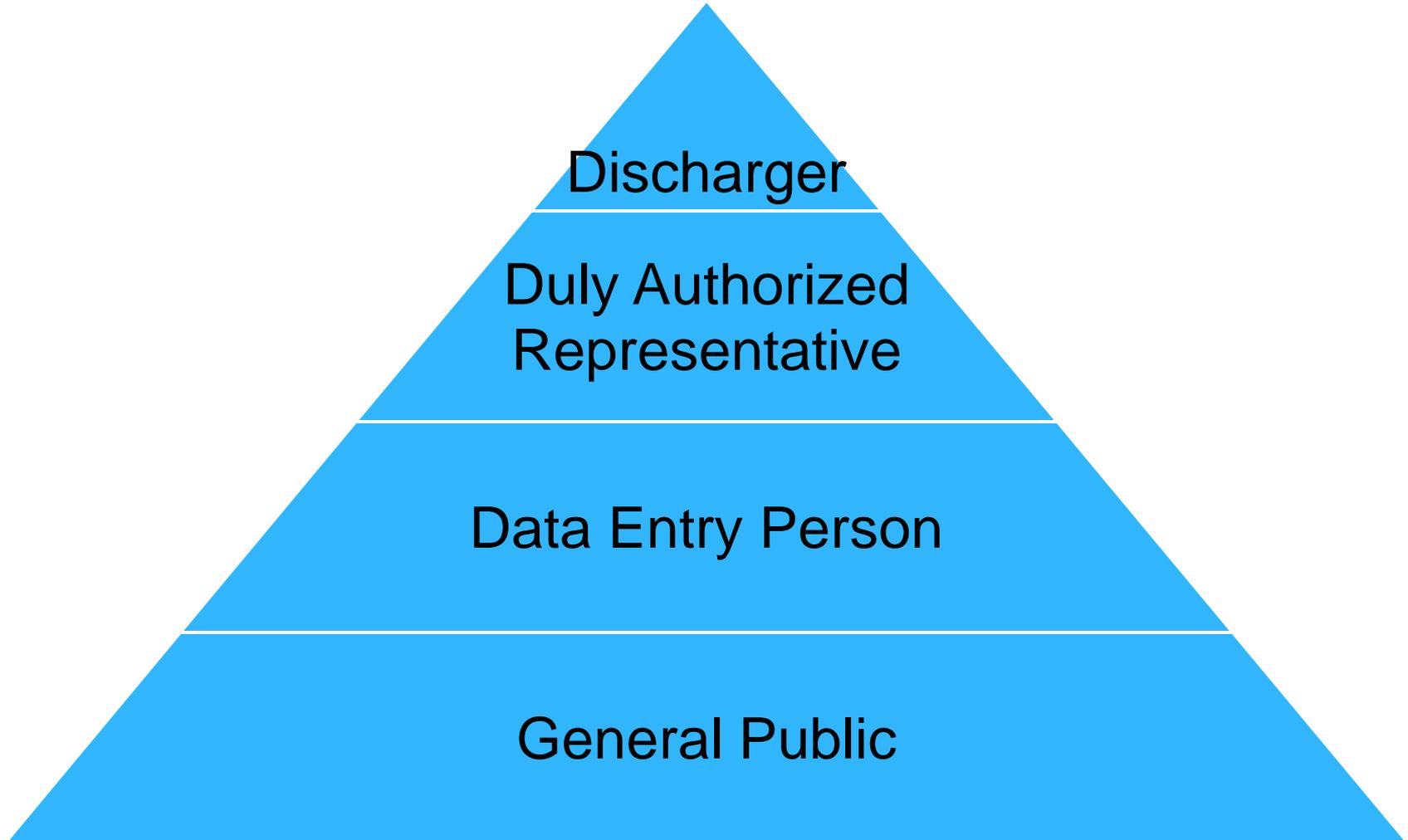
- Reports
 - SWRCB/RWQCB prioritize regulatory tasks (i.e. inspections, view trends in compliance, provide data to the Legislature).

 - Public reports - NOI, Inspections, Violations, and Enforcement data.

SMARTS Users

- State & Regional Water Board Staff
- External Users
 - Discharger or Permittee
 - Duly Authorized Representative
 - Data Entry Person
 - General Public

User Rights



Application Process

- Register for SMARTS Account
- Link Duly Authorized Representatives or Data Entry Persons
 - Optional
- Start a New Notice of Intent
- Upload Attachments
 - Guidance Document
 - Maps
- Certify and submit NOI

Create a SMARTS Account

<https://smarts.waterboards.ca.gov>

Water Boards Storm Water Multiple Application & Report Tracking System 2

Welcome to Storm Water Multiple Application and Report Tracking System - SMARTS!

The Storm Water program regulates storm water discharges from locations such as industrial facilities, construction sites, and small linear projects. The Storm Water program is also responsible for processing, reviewing, updating, terminating Notices of Intent (NOIs), annual reports, and maintaining the billing status of each discharger.

SMARTS has been developed to provide an online tool to assist dischargers in submitting their NOIs, NECs, NOTs, and Annual Reports, as well as, viewing/printing Receipt Letters, monitoring the status of submitted documents, and viewing their application/renewal fee statements. The system will also allow the Regional Board and State Board staff to process and track the discharger submitted documents.

To submit the **Industrial Annual Report** in SMARTS, please fill out the [LRP Registration Form](#) and mail it to:
SWRCB
Storm Water Section
PO Box 1977
Sacramento, CA 95812-1977

SMARTS is a user account and password protected system where a valid user account and password is needed to access the system. To create an account, please click the "Sign Up" button on the right side of the screen.

SMARTS LOGIN

Best Used in Internet Explorer

User ID:

Password:

Login

New User, Start here:

Sign Up Button [Help](#)

Forgot User ID or password?

[Click here](#)

Public Access to NOI, SWPPPs & Annual Reports data

View SW Data

Create a SMARTS Account (con't)

Select the Account Type

The first step in the user registration process is the selection of user account type that you want to establish. SMARTS currently allow Entry Person (DEP) and Approved Signatory (AS). Click on the following links to review the definitions of LRP, DEP and AS User accounts: [Construction User Account Definitions](#) [Industrial User Account Definitions](#)

Please select one of the following:

- Legally Responsible Person (LRP): I have read the definition of LRP and wish to establish a LRP User Account.
- Data Entry Person (DEP): I have read the definition of DEP and wish to establish a DEP User Account.
- Approved Signatory (AS): I have read the definition of AS and wish to establish a AS User Account.

If you have any questions or for further assistance, please contact SMARTS Help Desk at: 1-866-563-3107 Monday thru Friday 8:00AM

Back to Previous Step

Continue to Next Step

Create a SMARTS Account (con't)

Legally Responsible Person: Enter User Account Details

The next step in the registration process is to provide your user account details. The User ID along with a Password will be sent to the e-mail address you provide. Please verify that the e-mail address is valid and accurate.

User Account Details: (An * indicates a required field)

First Name:	<input type="text" value="John"/>	*
Middle Name:	<input type="text"/>	
Last Name:	<input type="text" value="Doe"/>	*
E - mail:	<input type="text" value="stormwater@waterboards.ca.gov"/>	* (abc@xyz.com/abc@xyz.net)
Re - Enter E - mail:	<input type="text" value="stormwater@waterboards.ca.gov"/>	* (abc@xyz.com/abc@xyz.net)
Phone:	<input type="text" value="916-341-5536"/>	* Ext: <input type="text"/> (999-999-9999)
User ID:	<input type="text" value="stormwater2012"/>	* <input type="button" value="Check for Availability"/> The User Id is available (Enter user ID between
Password:	System will generate the password and send you via E-mail.	

Business/Agency Details:

Business Type:	<input type="text" value="Private Business"/>	▼
Business Name:	<input type="text" value="Metal Recycling Inc"/>	* (Do Not use Abbreviations, use Legal Business Name)
Business Address:	<input checked="" type="radio"/> USA Address <input type="radio"/> International Address ?	
Street Address:	<input type="text" value="3737 Main Street Suite 500"/>	* (Enter PO Box in Street Address field.)
Address Line 2:	<input type="text"/>	
City, State & Zip:	<input type="text" value="Riverside"/>	* <input type="text" value="California"/> ▼ * Zip: <input type="text" value="92501"/>
Country:	<input type="text" value="USA"/> ▼	
Federal Tax Id:	<input type="text" value="68-0281986"/>	* (99-9999999)

Enter User
Details

Create a SMARTS Account (con't)

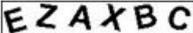
Identification Verification Security Questions:

Please select and answer the Identification Verification Security questions below. These questions will be asked in the event you misplace your password.

Security question: *

Answer: *

Server Security Letters:

 * Security Image Letters are not case sensitive

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

I am also aware that my user ID and password constitute my electronic signature and any information I indicate I am electronically certifying contains my signature. I understand that if I am not the person who has authorized me to submit this information, I will be held liable for the consequences. I understand that if I wish to delegate such authority, I will do so formally in writing and electronically notify the State Water Board using SMARTS2 of such delegation within 10 days of the delegation. I understand that if I suspect that my electronic signature has been lost, stolen, or otherwise compromised, I will immediately notify the State Water Board, within two business days of discovery, if I suspect that my electronic signature has been lost, stolen, or otherwise compromised.

* : Fields preceded by red asterisk (" * ") are mandatory/required fields.

If you have any questions or for further assistance, please contact SMARTS Help Desk at: 1-866-563-3107 Monday thru Friday 8:00AM - 5:00PM, or email smarts@waterboard.ca.gov

[Back to Previous Step](#)

[Continue to Complete Registration](#)

Create a SMARTS Account (con't)

Acknowledgement

This completes your user registration process: Your user account has been successfully created in SMARTS.

Your User ID, Password, and instructions for logging into SMARTS have been sent to you via e-mail.

Please check your e-mail account and log into SMARTS using the User ID and Password provided.

If the e-mail is not received within a reasonable amount of time, please contact the Storm Water Help Desk at the phone number provided below.

To log into SMARTS, enter the following address into your browser or click on the link: <https://smarts.waterboards.ca.gov/>

If you have any questions or for further assistance, please contact SMARTS Help Desk at: 1-866-563-3107 Monday thru Friday 8:00AM - 5:00PM, or 15:01 AM

Back to Registration/Login Screen

John Doel
Metal Recycling Inc
3737 Main Street Suite 500
Riverside CA 92501

To complete your User Account Registration for the Storm Water Program, you must login at the State Water Boards website at: <https://smarts.waterboards.ca.gov/> using the following User ID and Password.

User ID : stormwater2012
Password : 5tc9F4

After you complete your User Account Registration, you will be able to manage your User Account, file a new NOI or annual report, update existing NOI information, etc. You will also be able to allow other people such as employees and/or consultants to have limited access to your account or to specific NOIs as a "Data Submitter". To do this, the data submitters must first complete their own User Account Registration, and provide you their User IDs so you can link them to your organization.

If you have any questions, please contact SMARTS Help Center : 1-866-563-3107.

Create a SMARTS Account (con't)

Log in & Reset Password

Change Password

Your password has expired, please update your password. This page allows you to reset your password.

User ID:	stormwater2012
Name :	John Doe
Old Password :	<input type="password" value="●●●●●●"/> * Enter your current password.
New Password :	<input type="password" value="●●●●●●●●"/> * New Password length should be between 7 and 12. If
Confirm New Password :	<input type="password"/> *

Red "*" are required fields

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Note: User ID and Password are case sensitive

Main Menu

Storm Water Multiple Application Reporting and Tracking System - SMARTS

***MockUp Screen Only

Select Program to Access	Recently Accessed Records			
Construction General Permit	Application ID	Document Type	Facility Name	Status
Industrial General Permit	434103	NOI	Test Construction Site	Active
Municipal Phase I Permit	3410	COI	Test Construction Site	Submitted to Water board
Municipal Phase II Permit	341012	NOI	Test Industrial Facility	Not Submitted
Caltrans	534103	NOT	Blue Ray Tyres	Denied
Annual Reports				
Manage Linked Users				
Recertification				
CBPELSG Certification				
Update User Profile				
Public Search Menu				

Manage Linked Users

If this account does not belong to you, please log out.

User Account Management

This page allows you to manage the Legal Responsible Person/Approved Signatory/Data Entry Person associated with your account.

Link New Legal Responsible Person/Approved Signatory/Data Entry Person to Your Organization:

The following are the Legal Responsible Person/Approved Signatory/Data Entry Person currently associated with your account. To view/edit/delink the existing user account, click on User ID hyperlink.

Name	User ID	Business Name	Role
------	---------	---------------	------

Enter the User ID of the person to link to the LRP account

If this account does not belong to you, please log out.

Link a Legal Responsibility Person/Approved Signatory/Data Entry Person

This page allows you to link a new Legal Responsible Person/Approved Signatory/Data Entry Person to your account.

User ID:

If you have questions regarding linking, please contact us at stormwater@waterboards.ca.gov or 1-866-563-3107.

© 2011 State of California. [Conditions of Use](#)

Link Additional Users (con't)

Select the Organization and Role to link the user to.

User Account Management Details

This page allows you to maintain the access and privileges of this Legal Responsible Person/Approved Signatory/Data Entry Person with respect with each

User Account details

Name:	Steve Smith
User ID:	dsubmitter
Business Name:	Smith Consulting Services
Contact Phone:	866-563-3107
Email:	stormwater@waterboards.ca.gov

Your Organization(s) linked to dsubmitter

Organization Id	Organization Name	Role
	Organization Name: 618055 - Metal Recycling Inc	Role: Data Entry Person

Click on the Organization Id to view the list of WDIDs associated with the respective organization and assign role to the user with respect to the WDID.

Link Additional Users (con't)

Click on Organization ID to activate the Application ID field. Then select the application or WDID number to link.

User Account Management Details

This page allows you to maintain the access and privileges of this Legal Responsible Person/Approved Signatory/Data Entry Person with respect with each WDID. You can also delink from your business or specific WDIDs.

User Account details

Name:	Steve Smith
User ID:	dsubmitter
Business Name:	Smith Consulting Services
Contact Phone:	866-563-3107
Email:	stormwater@waterboards.ca.gov

Your Organization(s) linked to dsubmitter

Organization Id	Organization Name	Role	Update	Delink
618055	Metal Recycling Inc	Data Entry Person	Update	Delink

Organization Name: Role:

Click on the Organization Id to view the list of WDIDs associated with the respective organization and assign role to the user with respect to the WDID.

Facility/Site(s) linked to selected Organization

Application ID	WDID	Operator And Address	Facility And Address	Role	Update	Delink
<input type="text" value="Select"/>						

If you have questions regarding linking, please contact us at stormwater@waterboards.ca.gov or 1-866-563-3107.

Link Additional Users (con't)

The application is successfully linked to the person when it appears in the table.

Your Organization(s) linked to dsubmitter

Organization Id	Organization Name	Role	Update	Delink
618055	Metal Recycling Inc	Data Entry Person	Update	Delink

Organization Name: Role:

Click on the Organization Id to view the list of WDIDs associated with the respective organization and assign role to the user with respect to the WDID.

Facility/Site(s) linked to selected Organization

Application ID	WDID	Operator And Address	Facility And Address	Role	Update	Delink
425432	8 33MR000001	Metal Recycling Inc 3737 Main Street Suite 500 Riverside CA 92501	Metal Recycling Inc 3737 Main Street Suite 500 Riverside CA 92501	Data Entry Person	Update	Delink

Start a New Application

Storm Water Multiple Application Reporting and Tracking System - SMARTS

***MockUp Screen Only

Select Program to Access	Recently Accessed Records	
Construction General Permit	Application ID	Document Type
Industrial General Permit	434103	NOI
Municipal Phase I Permit	3410	COI
Municipal Phase II Permit	341012	NOI
Caltrans	534103	NOT
Annual Reports		
Manage Linked Users		
Recertification		
CBPELSG Certification		
Update User Profile		
Public Search Menu		

Storm Water Multiple Application Reporting and Tracking System - SMARTS

***MockUp Screen Only

Phase II Menu	Applications You Are Associated With:					
Annual Report	Application ID	WDID	Type	Owner/Operator	Status	Annual Report
Ad Hoc Report	656776	7 34M2360004	Phase II	Test OwnOp 1001 I Street Sacramento, CA 95814	Active	Start
New Application	656006	7 12M2365404	Phase II	Test OwnOp 1001 I Street Sacramento, CA 95814	Status	Start
Back to Main Menu						

Start a New Application (con't)

Select the Organization

Please select the owner/operator of the new NOI from the following Businesses which you represent.

Select	Address
<input type="radio"/>	Metal Recycling Inc 3737 Main Street Suite 500 Riverside CA 92501
<input type="radio"/>	Business not found in the list. I would like to register a new business

© 2011 State of California. C

Start a New Application (con't)

Owner Info **Additional Info** Billing Info Attachments Certification Print Status History

General Information

Did you have coverage under the previous Phase II Small MS4 permit?	No ▾
What is the population served by the jurisdiction?	23455
Is the jurisdiction a Traditional or Non-Traditional Small MS4?	Traditional ▾
Is the jurisdiction applying for permit coverage with one or more co-permittees	No ▾
Are you applying for the Small MS4 Waiver?	Yes ▾

Waiver Criteria

Option 1

(a) The jurisdiction served by the system is less than 1,000 people;
(b) The system is not contributing substantially (as defined in Finding 25) to the pollutant loadings of a physically interconnected regulated MS4; and
(c) If the small MS4 discharges any pollutants identified as a cause of impairment of any water body to which it discharges, storm water controls are not needed as part of a U.S. EPA approved or established TMDL that addresses the pollutant(s) of concern.

Option 2

(a) The jurisdiction served by the system is less than 10,000 people;
(b) The Regional Water Board has evaluated all waters of the U.S. that receive a discharge from the system;
(c) The Regional Water Board has determined that storm water BMPs are not needed based on WLAs that are part of a U.S. EPA approved or established TMDL for the pollutant(s) of concern or an equivalent analysis; and
(d) The Regional Water Board has determined that future discharges from the Regulated Small MS4 do not have the potential to result in exceedances of water quality standards.

Option 3 (applicable to Small MS4s outside an Urbanized Area only)

Small Disadvantaged Community – The Regulated Small MS4 certifies that it is a community with a population of 20,000 or less with an annual median household income less than 80 percent of the statewide annual MHI. (Wat. Code, § 79505.5, subd.(a)).

Does the jurisdiction discharge to an approved TMDL? ▾

Save & Exit

Save & Continue

Start a New Application (con't)

Enter the Billing Address information.

NOTICE OF INTENT - Billing Information

The Notice of Intent (NOI) is organized into different tabs. Please complete all applicable tabs before submitting the form. If you want to complete the NOI at a later time, please click the "Save & Continue" button.

WDID: Owner: County Discharger Status of Document: Not Submitted
asdf sacramento CA 999999999 Certified Date:

Permit Type: Phase II Small MS4 Site:

Owner Info **Additional Info** **Billing Info** **Attachments** **Certification** **Print** **Status History**

Billing Information	Same as Owner	Same as Developer	Clear Billing Info	If different, enter below.	Bill Month:	Bill Hold:
Billing Name:	<input type="text"/>			<input type="text"/>	Contact First Name:	<input type="text"/>
Street Address:	<input type="text"/>			<input type="text"/>	Contact Last Name:	<input type="text"/>
Address Line 2:	<input type="text"/>			<input type="text"/>	Title:	<input type="text"/>
City/State/Zip	<input type="text"/>	CA		<input type="text"/>	Phone:	<input type="text"/> * Ext: <input type="text"/>
					E-mail:	<input type="text"/>

Fields marked with * are mandatory fields.

Start a New Application (con't)

Operator Info Facility Info Addl. Facility Info Billing Info **Attachments** Certification Print Status History

Please click on Upload Attachment button to upload the corresponding files. **Upload Attachment**

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

SMARTS File Upload

Attachment Id: [Empty] WDID: N/A Owner: County Discharger
asdf sacramento, CA 999999999 [Close Window](#)

Please provide the following details to upload the corresponding files.

Attachment FileType: [SELECT] *
Attachment Title : [Empty] *
File Description: [Empty]
If Partial Document, Part No: [1] * of Total Parts [1] *
Click "Browse" to locate the file and then click "Upload File"
[Empty] [Browse...](#) [Upload File](#)

File Name

File size should be less than 75MB. Those greater than 75MB will not be uploaded. MS Office, PDF, and Picture files are accepted. (PDF is recommended)

Please be advised that preliminary tests of the upload function suggest that large files could take a long time to upload. Our estimated upload times for a FAST connection is as follows:

File Size	Estimated Time
5 MB	3 - 5 min.
25 MB	15 - 20 min.
75 MB (max size)	25 - 30 min.

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

Attachment Id	File Type	File Title	File Desc	Part #
No Data Found.				

Start a New Application (con't)

Refresh screen to view uploaded attachments

Permit 3737 Main Street Suite 500 Riverside CA 92501

Operator Info Facility Info Add. Facility Info Billing Info **Attachments** Certification Print Status History

Please click on Upload Attachment button to upload the corresponding files.

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

Attachment Id	Attachment For	File Type	File Title	File Desc	Part #	Date Attached	Delete
1099552	NOI	SWPPP	SWPPP table of contents		1/2	03/22/2012	Delete

Start a New Application (con't)

Run the completion check and fix and errors.

Operator Info Facility Info Addl. Facility Info Billing Info Attachments Certification Print Status History

~~Before certifying your Notice of Intent, the system must verify that all required sections have been completed. To perform th~~

Perform Completion Check

Fields marked with * are mandatory fields.

Operator Info Facility Info Addl. Facility Info Billing Info Attachments Certification Print Status History

Notice Of Intent Completion Check Results

Error Message	Tab to Correct
SITE/FACILITY Information (PRIMARY SIC CODE) may not be complete! NOI Application checked for completeness and appears to be Incomplete. You cannot certify this NOI now. Please correct the errors shown above.	FACILITY

Fields marked with * are mandatory fields.

Start a New Application (con't)

NOI Application checked for completeness and appears to be Complete.
You can now certify this Notice of Intent by completing the form below:

Approve	Certification & Submission check list
<input type="checkbox"/> *	I am also aware that my user ID and password constitute my electronic signature and any inf electronic signature is the legal equivalent of my handwritten signature. My signature on this and that I will not delegate or share it with any other person. Should I wish to delegate such a SMARTS2 of such delegation within 10 days of the delegation. I further certify that I will prote Board, within two business days of discovery, if I suspect that my electronic signature has be
<input type="checkbox"/> *	I certify under penalty of law that this document and all attachments were prepared under the personnel properly gather and evaluate the information submitted. Based on my inquiry of the gathering the information, the information submitted is, to the best of my knowledge and belie submitting false information, including the possibility of fine and imprisonment for knowing vic

Certifier Name: *

Certifier Title:

Date: *

Print out the Fee Statement and mail with a check to the Water Boards.

To submit the application click Certify Notice of Intent.

Fee Statement
Application Id # 437174

Facility/Site

Thank you for submitting the Permit Registration Documents (PRD) for the facility/site referenced above. Before a WDID number is assigned an Application Fee of \$0.00 must be received by July 02, 2013 .If the Storm Water Section does not receive your application fee of \$0.00 by July 02, 2013 your PRDs will be returned.

Please make checks payable to: SWRCB

Mail this Fee Statement with an original signature and \$0.00 to:

Regular Mailing Address:

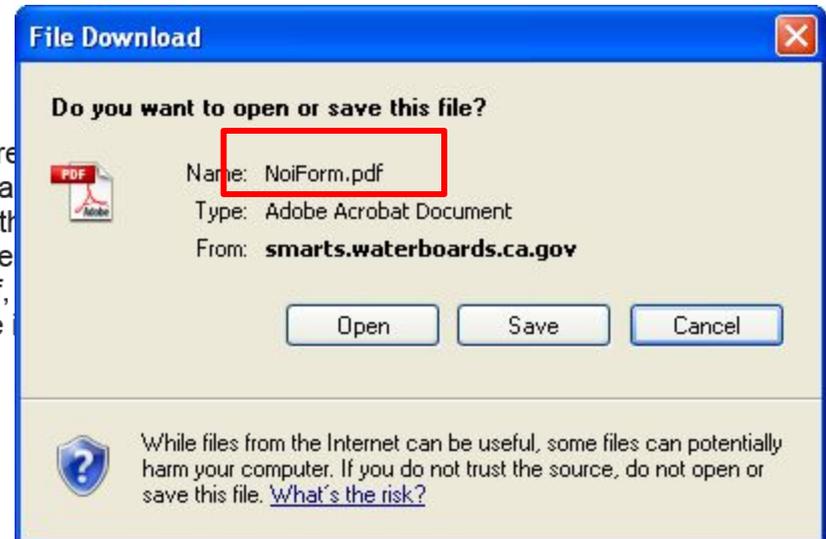
SWRCB
Storm Water Section
PO Box 1977
Sacramento, CA 95812-1977

Overnight Mailing Address:

SWRCB
Storm Water Section
1001 I Street – 15th Floor
Sacramento, CA 95814

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

- Fee Statement
- Must have Adobe Acrobat Reader installed



Start a New Application (con't)

On screen and email conformation the NOI was submitted.

NOTICE OF INTENT - Certification

The Notice of Intent (NOI) is organized into different sections. Please complete all applicable sections before submitting the form. If you want to complete the NOI at a later time, please click on "Save & Exit".

WDID: Operator: Metal Recycling Inc Status: Submitted to Water Board
3737 Main Street Suite 500 Riverside CA 92501 Certified Date: 03/22/2012 Processed Date:
Business Type: Region 8 - Scrap Metal Permit Facility: Metal Recycling Inc NOT Effective Date:
3737 Main Street Suite 500 Riverside CA 92501

Operator Info Facility Info Addl. Facility Info Billing Info Attachments Certification Print Status History NOTs COIs

Your electronic "Notice of Intent" has been successfully received by the State Water Resources Control Board's database. Your confirmation information for this certification is as follows:

Application Id	425432
Type	Region 8 - Scrap Metal Permit
Submission/Certify Date	03/22/2012
Certifier Name	John Doe
Certifier Title	

Please print out this screen as proof of certification. You will not be allowed to make any further changes to the certified report. If you need to correct any information you must contact your Regional Board re
All records must be retained for 3 years from the date of the report or monitoring activity.

Submission Date: 03/22/2012

Your NOTICE OF INTENT with the above details was submitted to the Water Boards

Water Boards will be reviewing the submitted documents. To view the status of this application, please login to your account at: <http://smarts.waterboards.ca.gov/>.

If you have any questions, please contact the SMARTS Help Center at stormwater@waterboards.ca.gov or 1-866-563-3107. You can also contact the Regional Water Board at r8_stormwater@waterboards.ca.gov.

Thank you,
Storm Water Section

Pending Applications (con't)

NOI application approved email conformation.

From: <smarts@waterboards.ca.gov>

To: Stormwater

CC: r8_stormwater@waterboards.ca.gov

Subject: Your submitted Notice of Intent Review - Status update

Metal Recycling Inc
3737 Main Street Suite 500
Riverside CA 92501

WDID: 8 33MR000001
ApplicationId: 425432
Permit Type: Region 8 - Scrap Metal Permit
Status: Active
Submission Date: 03/22/2012

Your NOTICE OF INTENT is Active.

Login to your account at: <https://smarts.waterboards.ca.gov/>

If you have any questions, please contact the SMARTS Help Center at stormwater@waterboards.ca.gov or 1-866-563-3107.
You can also contact the Regional Water Board at r8_stormwater@waterboards.ca.gov.

Thank you,
Storm Water Section

Annual Report/Monitoring

- Screens being developed
- Batch upload of monitoring data

Storm Water Multiple Application Reporting and Tracking System - SMARTS

***MockUp Screen Only

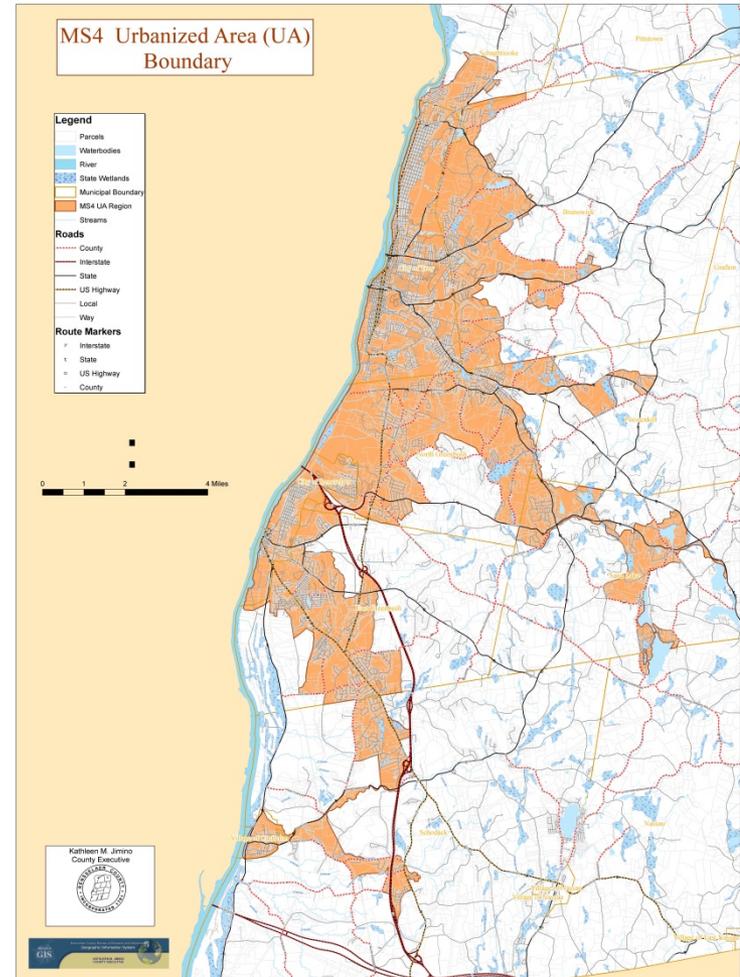
Phase II Menu	Applications You Are Associated With:					
Annual Report	Application ID	WDID	Type	Owner/Operator	Status	Annual Report
Ad Hoc Report	656776	7 34M2360004	Phase II	Test OwnOp 1001 I Street Sacramento, CA 95814	Active	Start
New Application	656006	7 12M2365404	Phase II	Test OwnOp 1001 I Street Sacramento, CA 95814	Status	Start
Back to Main Menu						

SMARTS Help Desk

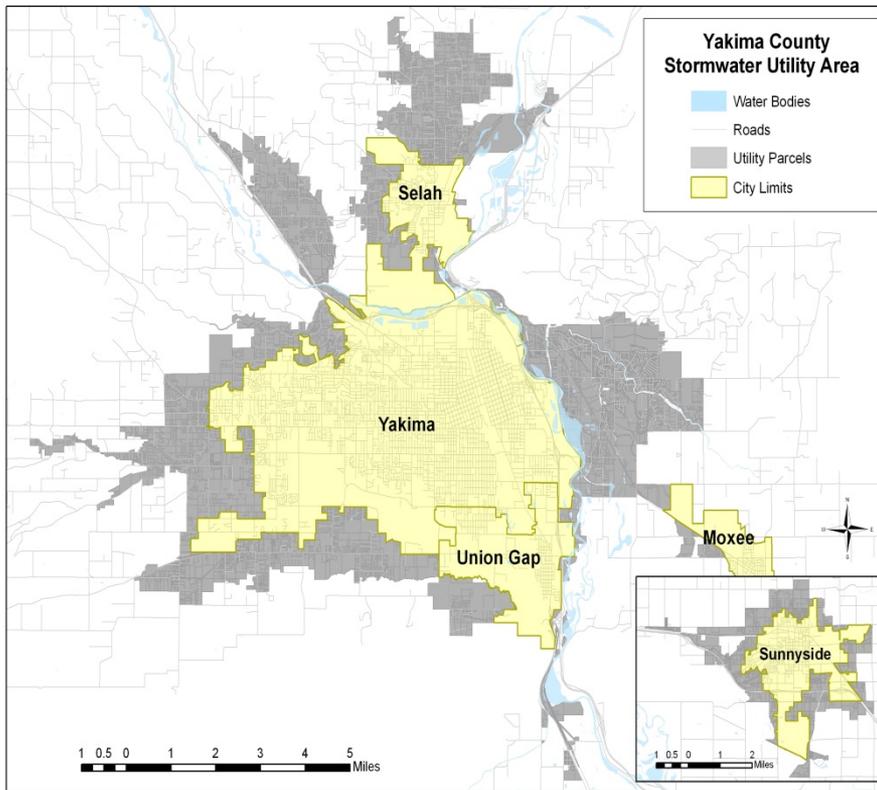
- State Water Resources Control Board
 - stormwater@waterboards.ca.gov
 - (866) 563-3107

Permit Boundary Map

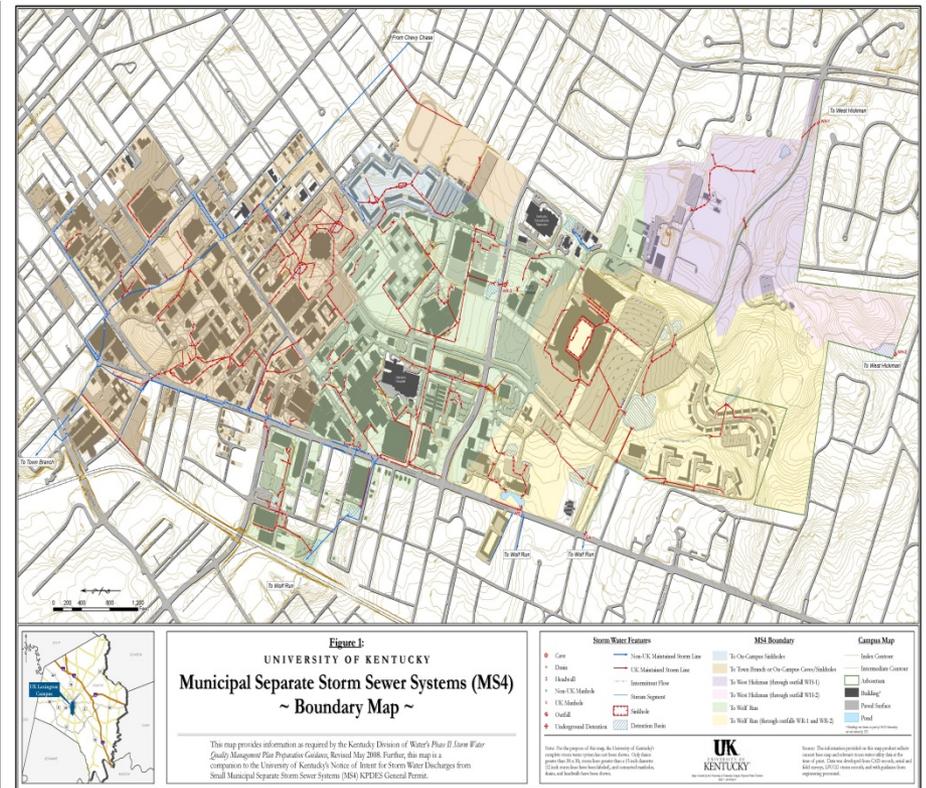
- 2010 Census Data
- Cities: permit boundary = city boundary
- Counties: permit boundary = urbanized area and places identified in Attachment A located within their jurisdiction



Permit Boundary Map - Examples



Traditional



Non-traditional

Guidance Document

What is the purpose?

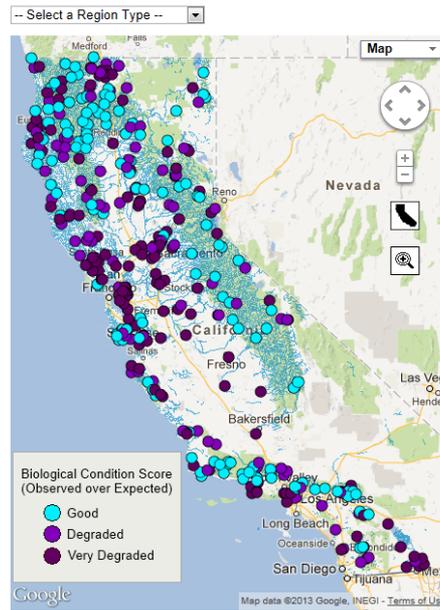
1. To provide the Permittee with a road map to compliance
2. For Renewal Permittees in particular, to assist in the prioritization of water quality issues
3. To provide the Water Boards and stakeholders with a better understanding of the Permittee's specific program



Fees

- Based on population size
 - Non – traditional: Resident and commuter
- Additional 21% surcharge (SWAMP)

California Streams, Rivers and Lakes



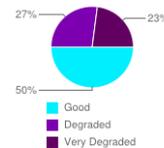
What do Benthic Macroinvertebrates tell us about the health of our streams?

One powerful way to measure stream health is through an assessment of the bugs, or benthic macroinvertebrates, that live there. Benthic macroinvertebrates, which live on the bottom of streams, include early life stages of insects such as dragonflies and mayflies, crustaceans such as crayfish and worms and snails. The particular species and abundance of invertebrates present in a stream can help scientists determine both the current condition of a stream and the cumulative impact of longer term stressors, such as pollution. For example, a stream with a variety of species that includes sensitive species is considered healthier than one with a few pollution-tolerant species.

Bioassessment is the characterization of environmental conditions through the observation of biological communities of organisms. Two common types of bioassessment are O/E and IBI. O/E stands for observed over expected, which compares the number of certain species observed at site to the number of those species that were expected to occur, based on data from reference sites that are known to be healthy. IBI is an Index of Biotic Integrity, which combines a variety of individual measures of health of a community of organisms, such as species richness (how diverse the community is) and pollution tolerance (how resistant to pollution they are).

→ [View reports of the State Water Board's Perennial Streams Assessment \(PSA\)](#)

Statewide Statistics



→ [What do these biological condition categories mean?](#)

This map shows data generated by:



F.5.a. Program Management

- Establish adequate legal authority to meet requirements of this Order
 - Adequate Legal Authority



F.5.b. Education and Outreach

- **Develop and implement a comprehensive storm water education and outreach program**
 - Public
 - Staff
 - Illicit Discharge Detection and Elimination
 - Construction
 - Pollution Prevention & Good Housekeeping



Public Education and Outreach

- Design program to reduce pollutant discharges in storm water runoff and non-storm water runoff discharges to the MS4
- Design program to measurably increase the knowledge and awareness of public
 - Storm drain system
 - Urban runoff
 - Non-storm water discharges

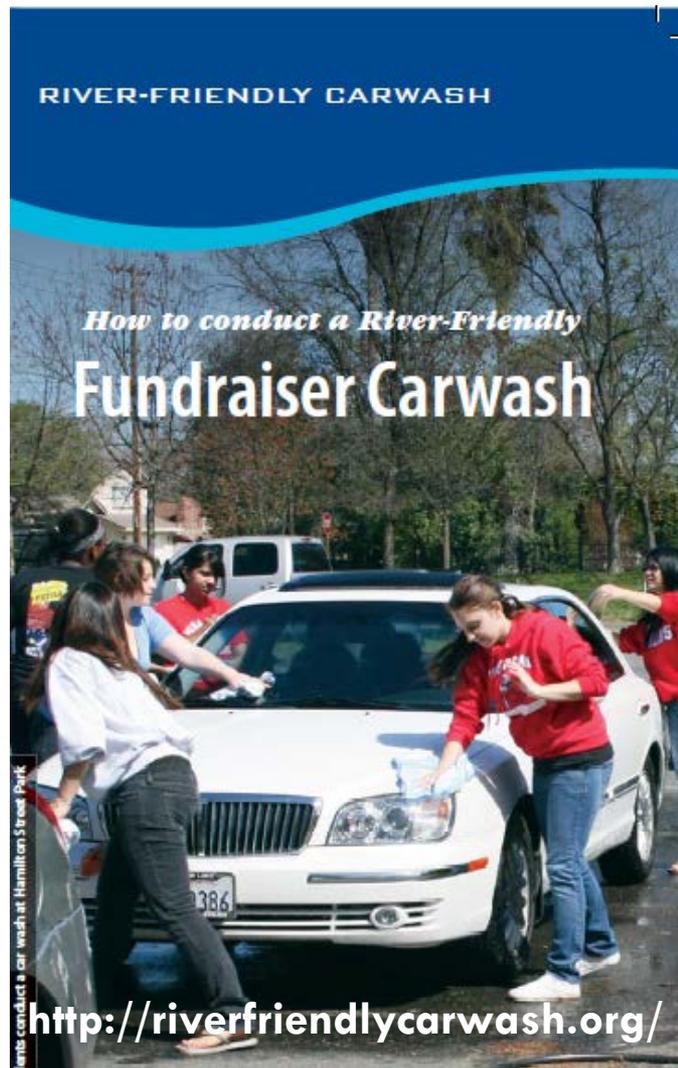


Resources and Guidance

- Storm water friendly landscaping
 - Ocean Friendly Landscaping
 - Bay Friendly Landscaping
 - River Friendly Landscaping
 - Our Water Our World



Resources and Guidance



- Car wash education
 - ▣ Car wash fundraisers
 - ▣ Vouchers
 - ▣ Sacramento Stormwater Quality Partnership's River Friendly Carwash Program

Resources and Guidance

- Environmental education groups, Resource Conservation Districts, other MS4 Permittees, local and state agencies



  State of California
Department of Conservation

Home | CA Farmland Conservancy | Conservation Districts | Farmland Mapping | Williamson Act | Watershed Program

Grant Program | Training Program | Publications | Overview

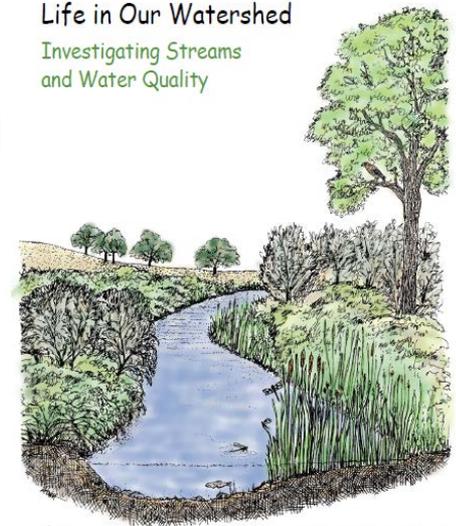
[DLRP](#) → [RCD](#)

Skip to: [Cor](#)

Watershed Outreach and Education

- [Creek Care: A Guide for Residents in the San Lorenzo Creek Watershed \(Alameda County RCD\)](#)
- [Creek Care: A Guide for Rural Landowners and Residents of Petaluma and Sonoma Creek Watersheds \(Southern Sonoma County RCD\)](#)
- [Creek Signs: Guide to Developing a Local Watershed Creek Signage Program \(Southern Sonoma RCD\)](#)
- [Lake Tahoe Resource Guide](#)
- [Mokelumne River Watershed Owners Manual \(San Joaquin County RCD\)](#)
- [Napa River Owners Manual \(Napa County RCD\)](#)
- [Riparian Care Guide for Landowners \(Trinity County RCD\)](#)
- [Russian River Watershed Directory: A Guide to Resources and Services for Management and Stewardship of the Russian River Watershed \(Sotoy\)](#)
- [Welcome to the Foothills \(Sierra RCD\)](#)
- [Welcome to the Watershed: Directory and Guide for Yolo County Residents \(Yolo County RCD\)](#)

Life in Our Watershed
Investigating Streams
and Water Quality



 Splash

Student Handbook
Version 2.0

F.5.c. Public Involvement and Participation

- Involve the public in the development and implementation of activities related to the storm water program



Overview

- Label storm drain inlets
- Integrate storm water information on publicly accessible website



Resources and Guidance

Waterbody clean ups



Examples: Storm Drain Art



Examples: Rain Barrel Art



Examples: Citizen Monitoring

http://www.waterboards.ca.gov/water_issues/programs/swamp/cwt_volunteer.shtml



Citizen Monitoring Programs in California

- [Community Based Watershed Programs Related to Citizen Monitoring](#)
- [Find a Citizen Monitoring Organization in Your Region](#)



F.5.d. Illicit Discharge Detection and Elimination (IDDE)

- Develop an illicit discharge detection and elimination program to detect, investigate and eliminate illicit discharges into the MS4



Overview

- Outfall map
- Sampling
- Corrective actions

What is an illicit discharge?

- A discharge to an MS4 that is not composed entirely of storm water except permitted discharges and fire fighting related discharges 40 CFR 122.26(b)(2)



Illicit Discharge Sources

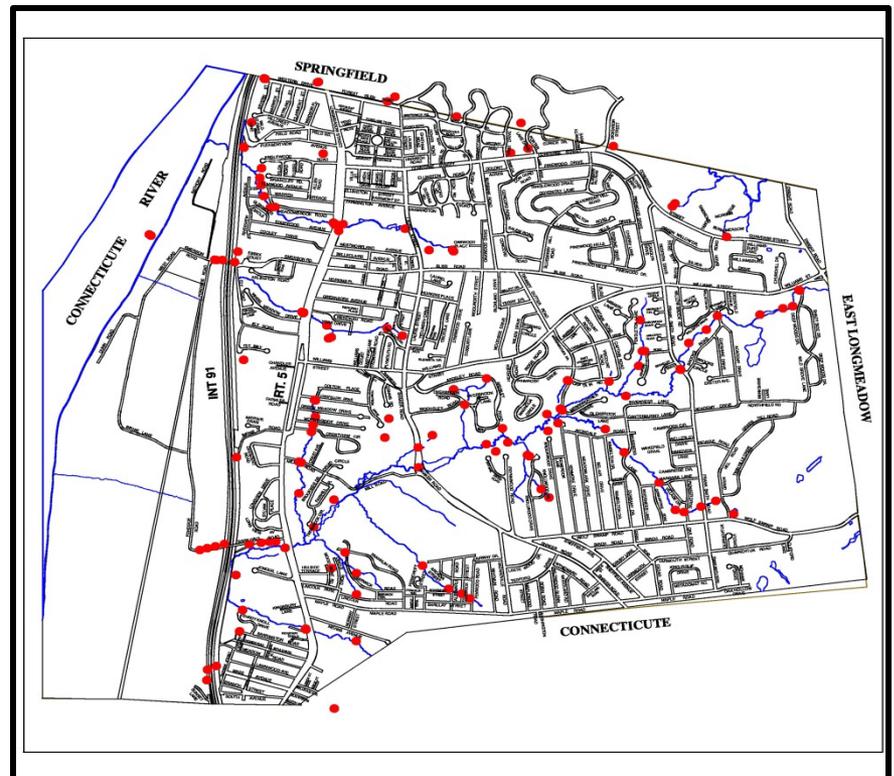
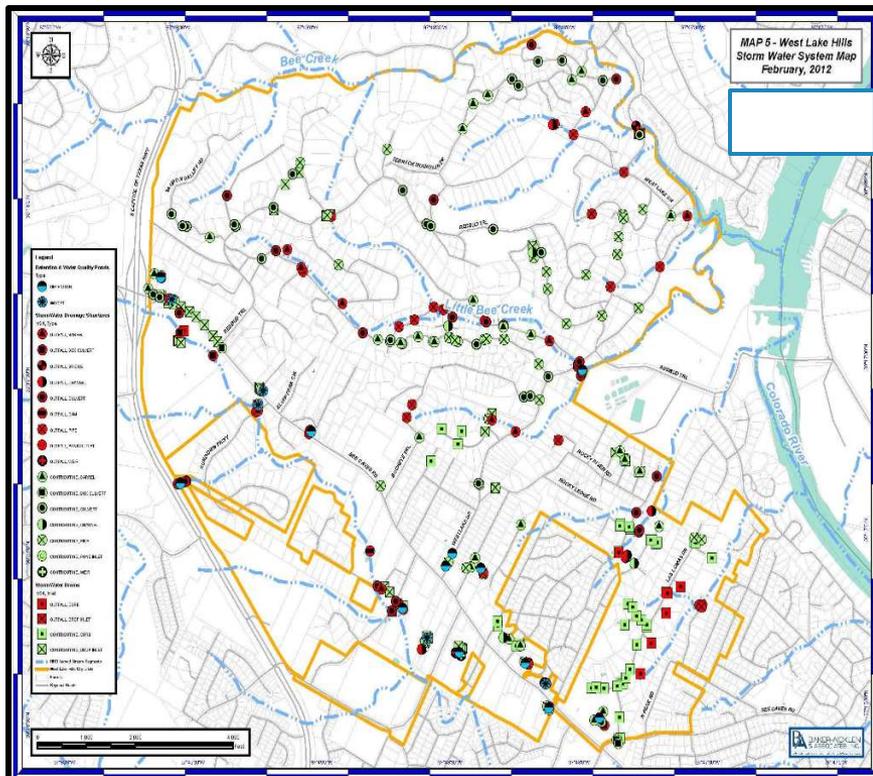
(from Center for Watershed Protection)

- ❑ **Illegal dumping practices**
- ❑ **Broken sanitary sewer line**
- ❑ **Cross-connections**
- ❑ Connection of floor drains to storm sewer
- ❑ Sanitary sewer overflows
- ❑ Inflow / infiltration
- ❑ Straight pipe sewer discharge
- ❑ Failing septic systems
- ❑ Improper RV waste disposal
- ❑ Pump station failure



Outfall Map

- Create and maintain an up-to-date and accurate outfall map



Outfall Inventory

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigator:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial	<input type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Suburban Residential	<input type="checkbox"/> Commercial
<input type="checkbox"/> Open Space	<input type="checkbox"/> Institutional	Other: _____	
Known Industries: _____		Notes (e.g., origin of outfall, if known):	

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED	
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> CMP <input type="checkbox"/> HDPE <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____		
	<input type="checkbox"/> In-Stream (applicable when collecting sample)				
Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>					
Flow Description (if present) <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial					

Section 3: Quantitative Characterization

PARAMETER	FIELD DATA FOR FLOWING OUTFALLS			EQUIPMENT
	RESULT	UNIT		
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	_____	Ft. In	Tape measure
	Measured length	_____	Ft. In	Tape measure
	Time of travel		S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls: Only

Are Any Physical Indicators Present in the flow? Yes No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint	<input type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few/slight, origin not obvious	<input type="checkbox"/> 2 - Some, indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 - Some, origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls:

Are physical indicators that are not related to flow present? Yes No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Cautk dam</i>

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Source: Center for Watershed Protection

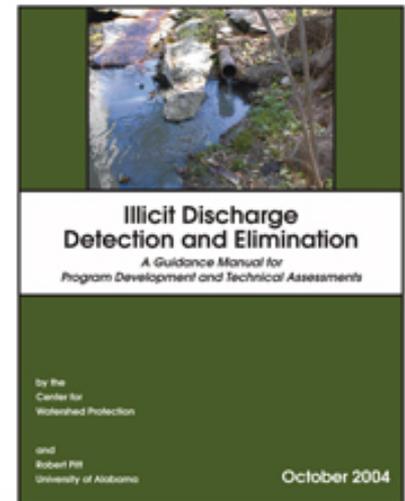
Sampling

- While conducting outfall mapping, sample any outfalls that are flowing or ponding (> 72 hrs)
- Dry weather sampling of outfalls identified as priority areas (Traditionals only)



Resources and Guidance

- IDDE Guidance Manual
- Joint EPA-funded project between CWP and University of Alabama
- 8 Program Components
- Desktop Methods
- Field and Lab Protocols
- Model Ordinance
- Technical Appendices
- Download at www.cwp.org or <http://cfpub.epa.gov/npdes/>



F.5.e. Construction Site Storm Water Runoff Control Program

- Develop and implement contract language ensuring all outside contractors comply with the CGP and implement appropriate BMPs



Photo Credit: avlxyz

Overview

- Include CGP compliance requirements in construction contract language



Resources and Guidance

- CASQA Construction BMP Handbook
- Erosion & Sediment Control Field Manual
- Bay Area Stormwater Management Agencies Association (BASMAA) Start at the Source: A Design Guidance Manual for Stormwater Quality Protection

F.5.f. Pollution Prevention and Good Housekeeping

- Develop and implement a program to prevent or reduce the amount of pollutant runoff from Permittee operations



Overview

- Inventory, map and assess facilities
- Develop SWPPPs for hotspots
- Inspect, visually monitor (remedial action)
- Assess, prioritize and maintain storm drain system
- O & M
- Water quality and habitat enhancement of flood management facilities
- Landscape design and maintenance

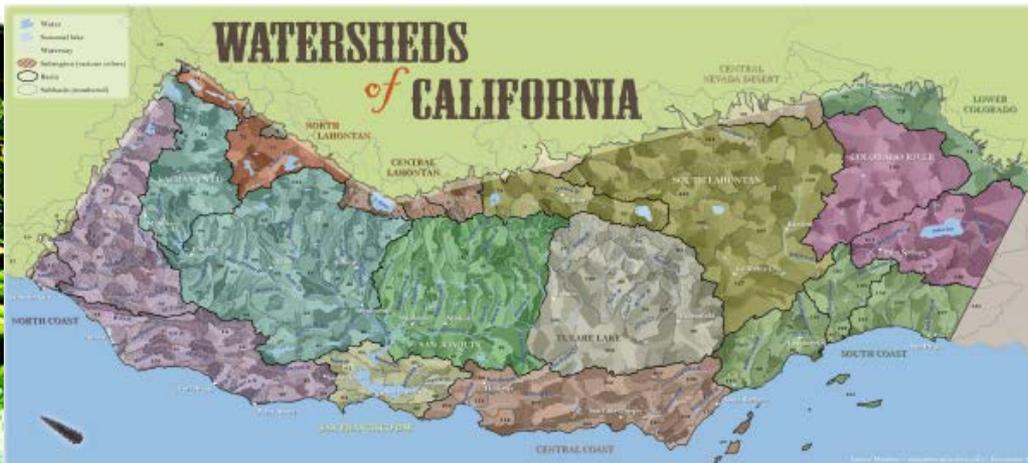
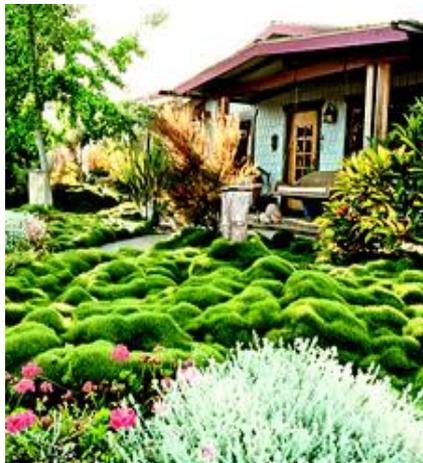
Resources and Guidance

- Water Efficient Landscape Ordinance (WELO)
- CWP guide on Urban Subwatershed and Site Reconnaissance (available as free download)
- DPR 11-004 Prevention of Surface Water Contamination by Pesticides (DPR 2010)



F.5.g. Post-Construction

- Reduce runoff and pollutants associated with development projects
- Prioritize the use of LID and site design measures
- Requirements based on Assessment and Maintenance of Watershed Processes, multiple benefit projects encouraged and incentivized



Resources and Guidance

- Post-Construction Calculator (SMARTS)
- Low Impact Development Manual for Southern California
- CASQA Stormwater Best Management Practice Handbook, New Development and Redevelopment
- River-Friendly Landscaping
- Municipal Regulatory Update Assistance Program (MRUAP)



F.5.h. Program Effectiveness and Assessment

- Develop and implement a Program Effectiveness Assessment program to evaluate your storm water program
 - Prioritized BMPs
 - Local pollutants of concern



Overview

- Program Effectiveness Assessment and Improvement Plan (PEAIP)
- Storm Water Program Modifications



Resources and Guidance



Municipal Storm Water Program Effectiveness Assessment Guidance (CASQA 2007)



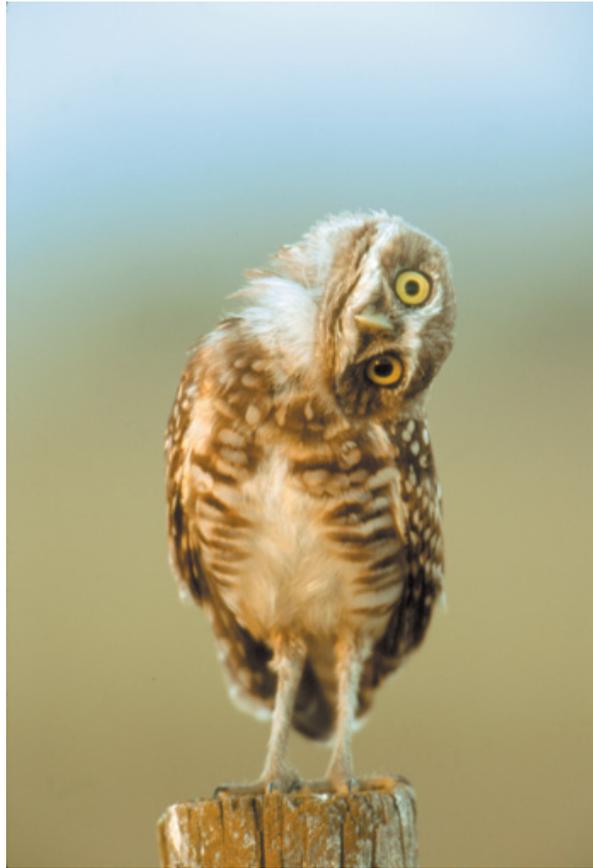
F.5.i. TMDLs

- Comply with all applicable TMDLs approved pursuant to 40 CFR section 130.7 that assign a waste load allocation to the Permittee and that have been identified in Attachment G
- One year consultation period
 - ▣ Water Boards and Permittees

Annual Reporting

- Certification of completion
- Summary of activities
- Brief discussion of program effectiveness
- SMARTS

Questions?



Contact

stormwater@waterboards.ca.gov

(Include “Phase II Small MS4” in subject line, please)

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