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
• 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 - Stakeholder Process

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

- Discharger
- Duly Authorized Representative
- Data Entry Person
- General Public
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

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.
Create a SMARDS 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. SMARDS currently allows 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 an AS User Account.

If you have any questions or for further assistance, please contact SMARDS 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 provided to SMARTS. Please verify that the e-mail address is valid and accurate.

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td>John</td>
</tr>
<tr>
<td>Middle Name</td>
<td>Doe</td>
</tr>
<tr>
<td>Last Name</td>
<td></td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:stormwater@waterboards.ca.gov">stormwater@waterboards.ca.gov</a></td>
</tr>
<tr>
<td>Re-Enter E-mail</td>
<td><a href="mailto:stormwater@waterboards.ca.gov">stormwater@waterboards.ca.gov</a></td>
</tr>
<tr>
<td>Phone</td>
<td>916-341-5536</td>
</tr>
<tr>
<td>User ID</td>
<td>stormwater2012</td>
</tr>
<tr>
<td>Password</td>
<td></td>
</tr>
<tr>
<td>Business/Agency Details</td>
<td></td>
</tr>
<tr>
<td>Business Type</td>
<td>Private Business</td>
</tr>
<tr>
<td>Business Name</td>
<td>Metal Recycling Inc</td>
</tr>
<tr>
<td>Business Address</td>
<td>USA Address</td>
</tr>
<tr>
<td>Street Address</td>
<td>3737 Main Street Suite 500</td>
</tr>
<tr>
<td>City, State &amp; Zip</td>
<td>Riverside, California, 92501</td>
</tr>
<tr>
<td>Federal Tax ID</td>
<td>68-0281986</td>
</tr>
</tbody>
</table>

Enter User Details
Create a SMARRTS 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: | What is your mother’s maiden name? |
| Answer:           | Smith               |
| Security question: | What city were you born? |
| Answer:           | Riverside           |
| Security question: | What was your High School Mascot? |
| Answer:           | Lion                |
| Security question: | What is the name of your favorite childhood friend? |
| Answer:           | Steve               |
| Security question: | What was the color of your first car? |
| Answer:           | Black               |

Server Security Letters:

EZAXBC

Notes:

* 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 that the information submitted 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 my signature is equivalent of my handwritten signature. My signature on this form certifies that my electronic signature is for my own use, that I will keep it confidential, and that I will not 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, and that I will contact the State Water Board, within two business days of discovery, if I suspect that my electronic signature has been lost, or 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 1-858-553-3107 Monday thru Friday 8:00AM – 5:00PM, or email smarts@waterboard...
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://smarst.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 8:00 AM - 5:00 PM, or email: helpdesk@waterboards.ca.gov.

John Doe
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://smarst.waterboards.ca.gov/ using the following User ID and Password:

User ID: stormwater2012
Password: 5t9F4

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

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

- Construction General Permit
- Industrial General Permit
- Municipal Phase I Permit
- Municipal Phase II Permit
- Caltrans
- Annual Reports

Manage Linked Users

Recertification
- CBPELSG Certification

Update User Profile

Public Search Menu

Recently Accessed Records

<table>
<thead>
<tr>
<th>Application ID</th>
<th>Document Type</th>
<th>Facility Name</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>434103</td>
<td>NOI</td>
<td>Test Construction Site</td>
<td>Active</td>
</tr>
<tr>
<td>3410</td>
<td>COI</td>
<td>Test Construction Site</td>
<td>Submitted to Water board</td>
</tr>
<tr>
<td>341012</td>
<td>NOI</td>
<td>Test Industrial Facility</td>
<td>Not Submitted</td>
</tr>
<tr>
<td>534103</td>
<td>NCT</td>
<td>Blue Ray Tyres</td>
<td>Denied</td>
</tr>
</tbody>
</table>
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/link the existing user account, click on User ID hyperlink.

<table>
<thead>
<tr>
<th>Name</th>
<th>User ID</th>
<th>Business Name</th>
<th>Role</th>
</tr>
</thead>
</table>

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: dsubmitter

Search

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

Back

© 2011 State of California. Conditions of Use

Enter the User ID of the person to link to the LRP account
Select the Organization and Role to link the user to.

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.
Click on Organization ID to activate the Application ID field. Then select the application or WDID number to link.
Link Additional Users (con’t)

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

![Image of the application interface showing linked organizations and WDIDs.](image)
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
--- | ---
 | Metal Recycling Inc 3737 Main Street Suite 500 Riverside CA 92501
 | Business not found in the list. I would like to register a new business

© 2011 State of California
### NOTICE OF INTENT - Owner 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 start a new application.

<table>
<thead>
<tr>
<th>WDID:</th>
<th>Owner: County Discharger asdf sacramento CA 9999999999</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit Type:</td>
<td>Phase II Small MS4</td>
</tr>
<tr>
<td>Site:</td>
<td></td>
</tr>
<tr>
<td>Status of Document:</td>
<td>Not Submitted</td>
</tr>
<tr>
<td>Certified Date:</td>
<td></td>
</tr>
</tbody>
</table>

#### Owner info

<table>
<thead>
<tr>
<th>Property Owner Information</th>
<th>Populate Contact Info: Select</th>
<th>Contact First Name: *</th>
<th>Contact Last Name: *</th>
<th>Title:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator/Owner Name:</td>
<td>County Discharger *2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street Address:</td>
<td>asdf *2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address Line 2:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City/State/Zip:</td>
<td>sacramento CA 9999999999 *2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td>County Agency *2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Tax ID:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fields marked with * are mandatory fields.**
Start a New Application (con’t)

General Information

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did you have coverage under the previous Phase II Small MS4 permit?</td>
<td>No</td>
</tr>
<tr>
<td>What is the population served by the jurisdiction?</td>
<td>23455</td>
</tr>
<tr>
<td>Is the jurisdiction a Traditional or Non-Traditional Small MS4?</td>
<td>Traditional</td>
</tr>
<tr>
<td>Is the jurisdiction applying for permit coverage with one or more co-permittees</td>
<td>No</td>
</tr>
<tr>
<td>Are you applying for the Small MS4 Waiver?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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 WLA(s) that are part of a U.S. EPA approved or established TMDL for 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? Select
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 Status History tab or click Save & Exit.

- WDID:
- Permit Type:
- Site:
- Owner:
- County Discharger
- asdf sacramento CA 9999999999
- Status of Document:
- Not Submitted
- Certified Date:

Billing Information

- Billing Name: [input]
- Street Address: [input]
- Address Line 2: [input]
- City/State/Zip: [input] CA
- Contact First Name: [input]
- Contact Last Name: [input]
- Title: [input]
- Phone: [input]
- E-mail: [input]

Fields marked with * are mandatory fields.

Save & Exit  Save & Continue
Start a New Application (con’t)

Please click on the Upload Attachment button to upload the corresponding files. The following are the current documents related to the NOI. Click on the link to view them.

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

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)
Start a New Application (con’t)

Refresh screen to view uploaded attachments
Run the completion check and fix any errors.

Before certifying your Notice of Intent, the system must verify that all required sections have been completed. To perform this check, click on "Perform Completion Check".

Error Message:
- 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.

Fields marked with * are mandatory fields.
Start a New Application (con’t)

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

To submit the application click Certify Notice of Intent.
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, direction or supervision in accordance with a system designed to assure that quality 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 information, the information submitted is, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

File Download
Do you want to open or save this file?

Name: NolForm.pdf
Type: Adobe Acrobat Document
From: smarts.waterboards.ca.gov

Open  Save  Cancel

While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. What's the risk?
Start a New Application (con’t)

On screen and email confirmation 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”.

<table>
<thead>
<tr>
<th>WDO:</th>
<th>Operator: Metal Recycling Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3737 Main Street Suite 500 Riverside CA 92501</td>
</tr>
</tbody>
</table>

| Business Type: | Region 8 - Scrap Metal Facility: Metal Recycling Inc |
|               | 3737 Main Street Suite 500 Riverside CA 92501 |

<table>
<thead>
<tr>
<th>Status:</th>
<th>Submitted to Water Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified Date:</td>
<td>03/22/2012</td>
</tr>
</tbody>
</table>

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/](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
Applicationld: 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
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)
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

http://riverfriendlycarwash.org/
Resources and Guidance

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

www.creec.org

Resource Conservation Districts

www.sacsplash.org
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

2013 California Citizen Monitoring Groups
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

Photo credit: Laura Leyshon
Outfall Map

- Create and maintain an up-to-date and accurate outfall map
### Outfall Inventory

**Section 1: Background Data**
- **Outfall ID**:
- **Date/Time**:
- **Flow**:
- **Temperature**:
- **Light**:
- **Land Use**:
- **Area**:
- **Gross Area**:
- **Gross Volume**:
- **Note**: (e.g., origin of outfall, discharge)

**Section 2: Outfall Description**
- **Location**:
- **Material**:
- **Shape**:
- **Diameter (in)**:
- **Submerged**:

**Section 3: Quantitative Characterization**
- **FIELD DATA FOR FLOWING OUTFALLS**
  - **Parameter**:
  - **Result**:
  - **Unit**:
  - **Equipment**:

**Section 4: Physical Indicators for Flowing OUTFALLs (Only)**
- **INDICATOR**:
- **CHECK IF Present**:
- **DESCRIPTION**:
- **RELATIVE SEVERITY INDEX (1-3)**:

**Section 5: Data Collection**
1. **Sample for the lab?**
2. **If yes, collected from**: Flow, Post
3. **Inconsistent flow today?**

**Section 6: Overall Outfall Characterization**

**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
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

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

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