

**STORM WATER SCRAP METAL  
GENERAL PERMIT WORKSHOP III  
SM-QSD/SM-QSP CERTIFICATION  
TRAINING**

**Rancho Cucamonga, CA  
June 18, 2013**

**Keith L. Elliott, P.E., QSD**

**Mary Bartholomew**

**Michelle Beckwith**

**Santa Ana Regional Water Quality Control Board**

PLEASE SILENCE  
YOUR  
CELL PHONE

# Agenda

## Introduction

**Scrap Metal –Qualified SWPP Developer (SM-QSD)**

**Scrap Metal-Qualified SWPPP Practitioner (SM-QSP)**

**Stormwater Multiple Application & Report Tracking System  
(SMARTS) Update**

**Break**

**Exam**

# Permit Requirements

Quality Assurance Program Plan (QAPP)	Before any sample collection and analysis.
Rain Event Action Plan (REAP)	48 Hours before a predicted storm with a 40% or greater probability.
Annual Report	<b>August 1, 2013 and annually thereafter.</b>
Mitigative Measures/ Minimum Control Measures (Phase I)	October 01, 2012 – Option 1, Phase I Approach
Evaluate monitoring results to determine if any triggers have been exceeded.	<b>By June 30, 2013 and annually thereafter.</b>
Report Non-Compliance Discharges	Within 24 hours of discovery - oral or email followed by written report 10 days later.
Upload sample analyses into SMARTS	Within 30 days of receipt from Lab.
SM-QSP/SM-QSD Certification Required	<b>August 12, 2013</b>

# Certified Person

**1 Hour training by Certified Laboratory.**

**Is responsible for discharge sample collection and handling.**

# SWPPP

- **Revise and re-certify as needed**
- **Upload into SMARTs whenever the SWPPP is amended**

# Useful References

## The California Stormwater Quality Association (CASQA)

<http://www.cabmphandbooks.com/Industrial.asp>

[http://www.cabmphandbooks.com/Documents/  
Industrial/Appendix\\_C.pdf](http://www.cabmphandbooks.com/Documents/Industrial/Appendix_C.pdf)

[http://www.cabmphandbooks.com/Documents/Industrial/  
Automotive\\_AutoRecycling.pdf](http://www.cabmphandbooks.com/Documents/Industrial/Automotive_AutoRecycling.pdf)

# Introduction

## Site Location and General Info.

## Sources of Pollutants

## Pollutants

## BMPs – Steps to Reduce Pollutants

## Monitoring and Record Keeping

## Certifications

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### CHECKLIST FOR CONSIDERATION OF MINIMUM BMPs

Check which one of the following describe your facility.

Name of Reviewer: **L. SMOLTZ AND COMMITTEE** Date: **10/15/02**

Yes No N/A

- Are outside areas kept neat and clean?
- Is the facility orderly and neat?
- Is the process debris removed regularly?
- Is the area clear of excessive dust from industrial operations?
- Is there no evidence of leaks and drips from equipment and machinery?  
**MINOR SPILLS NOTICED IN YARD, ABSORBENT MATERIAL USED.**
- Are employees regularly informed of the importance of good housekeeping?
- Are catch basins, storm conveyance pipes, and storm water treatment facilities cleaned at the appropriate intervals (see Chapter 5)?
- Are good housekeeping procedures and reminders posted in appropriate locations?
- Are vehicle maintenance activities kept indoors and do not tend to "creep" out the front door of the maintenance shop? **LARGE EQUIPMENT AND REEFERS SERVED OUTDOORS.**
- Are containers for chemical substances and for temporary storage of wastes labeled?
- Is vehicle and equipment washing done in a designated area so that the wash water can be discharged to the sanitary or process wastewater sewer? **YES, BUT NOT CONNECTED.**
- Are regular housekeeping practices carried out?
- Is there a spill prevention and response team?
- Are appropriate spill containment and cleanup materials kept on-site and in convenient locations?
- Are cleanup procedures for spills followed regularly and correctly?
- Are used absorbent materials removed and disposed of in a timely manner?
- Are personnel regularly trained in the use of spill control materials?
- Is exposed piping and process equipment regularly inspected and/or tested to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters?
- Are drainage ditches or the areas around the outfall(s) free of erosion?
- Are unpaved outdoor areas protected from water or wind erosion?

Any items checked "No" require consideration in the selection of BMPs.

N/A = Not Applicable.

### WORKSHEET #1 ACTIVITIES ASSESSMENT CHECKLIST

Name of Reviewer: <b>L. SMOLTZ</b>	Date: <b>10/12/02</b>		
ACTIVITIES - Check each activity present at site	EFFECTIVENESS		
	HIGH	MOD.	LOW
<input type="checkbox"/> Non-storm water discharges to drains. Describe BMPs in place: <b>WASH WATER FROM WASH RACK CONNECTED TO STORM DRAIN</b>			✓
<input type="checkbox"/> Spill Prevention, Control and Cleanup. Describe BMPs in place:			
<input checked="" type="checkbox"/> Vehicle and equipment fueling. Describe BMPs in place: <b>SPILL CLEAN UP MATERIALS AVAILABLE</b>		✓	
<input checked="" type="checkbox"/> Vehicle and equipment washing and steam cleaning. Describe BMPs in place: <b>SWEEP AREA EACH DAY</b>			✓
<input checked="" type="checkbox"/> Vehicle and equipment maintenance and repair. Describe BMPs in place: <b>PROPER HAZARDOUS WASTE STORAGE, SOLVENT RECYCLED, PROPER STORAGE OR FRESH FLUIDS</b>	✓		
<input checked="" type="checkbox"/> Outdoor loading/unloading of materials. Describe BMPs in place: <b>LIQUIDS ARE STORED IN CONTAINERS</b>	✓		
<input checked="" type="checkbox"/> Outdoor container storage of liquids. Describe BMPs in place: <b>LIQUIDS ARE STORED IN CONTAINERS</b>	✓		
<input type="checkbox"/> Outdoor process equipment operations and maintenance. Describe BMPs in place:			
<input type="checkbox"/> Outdoor storage of raw materials, products and byproducts. Describe BMPs in place:			
<input checked="" type="checkbox"/> Waste handling and disposal. Describe BMPs in place: <b>M&amp;R SHOP, SEE ABOVE</b>			
<input type="checkbox"/> Contaminated or erodible surface areas. Describe BMPs in place:			
<input checked="" type="checkbox"/> Building and grounds maintenance. Describe BMPs in place: <b>NONE IN PLACE</b>			
<input checked="" type="checkbox"/> Building repair, remodeling, and construction. Describe BMPs in place: <b>NONE IN PLACE</b>			
<input type="checkbox"/> Parking/Storage Area Maintenance. Describe BMPs in place:			

# MATERIAL INVENTORY

(Adopt from EPA, 1992)

Worksheet No. 2  
 Completed By: **L. Smoltz**  
 Title: **Environmental Coordinator**  
 Date : **10/15/02**

**Instructions:** List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3 if the material has been exposed during the last three years.

Material	Purpose/Location	Quantity (units)		Quantity Exposed in Last 3 Years *	Likelihood of contact with storm water.	Past significant Spill or Leak **	
		Used	Produced			Yes	No
<b>DIESEL #2</b>	<b>Fuel line- Building C, Yard</b>	<b>30,000 Gal.</b>	<b>0</b>	<b>Incidental Drippings</b>	<b>High</b>		<b>X</b>
<b>HYDRAULIC OIL</b>	<b>Engines/Building C</b>	<b>1,000 Gal.</b>	<b>0</b>	<b>0</b>	<b>None</b>		<b>X</b>
<b>ANTI-FREEZE</b>	<b>Engines/Building C</b>	<b>400 Gal.</b>	<b>0</b>	<b>0</b>	<b>None</b>		<b>X</b>
<b>SOLVENTS</b>	<b>Engines/Building C</b>	<b>Recycled</b>	<b>0</b>	<b>0</b>	<b>None</b>		<b>X</b>
<b>BUNKER OIL</b>	<b>Ships/Dockside</b>	<b>Unknown</b>	<b>0</b>	<b>50,000 Gal.</b>	<b>Low</b>	<b>X</b>	
<b>AXLE OIL</b>	<b>Chasses/Building C</b>	<b>400 Gal.</b>	<b>0</b>	<b>0</b>	<b>None</b>		<b>X</b>
<b>BATTERIES</b>	<b>Engines/Building C</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>None</b>		<b>X</b>
<b>USED ENGINE FLUIDS (ABOVE)</b>	<b>Engines/Building C</b>	<b>1,500 Gal.</b>		<b>0</b>			<b>X</b>
<b>USED ENGINE PARTS/BATTERIES</b>	<b>Engines/Building C</b>	<b>Varies</b>		<b>0</b>	<b>None</b>		

**Note: All cargo is in containers or packaged inside Building B.**

\* Explain on separate sheet if quantity was more than the "minimum?"  
 \*\* Explain items checked yes on a separate sheet.

# SPILLS INVENTORY

Worksheet No. 4  
 Completed By: **L. Smoltz**  
 Title: **Environmental Coordinator**  
 Date: **10/15/02**

(Adopt from EPA, 1992)

Instructions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities

1st Year Prior ***SPCC Implemented to control spill of bunker oil***

Date (month/day/year)	Check Box		Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
	Spill	Leak		Type of Material	Quantity	Source, If Known	Reason		

2nd Year Prior

Date (month/day/year)	Check Box		Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
	Spill	Leak		Type of Material	Quantity	Source, If Known	Reason		
<b>10/12/1992</b>	<b>X</b>		<b>Dock Apron</b>	<b>Bunker Oil</b>	<b>20 gal.</b>	<b>Oil Tank</b>	<b>Ruptered Tank</b>	<b>Absorbents, Clean-up</b>	<b>Develop SPCC</b>

3rd Year Prior ***None Recorded***

Date (month/day/year)	Check Box		Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
	Spill	Leak		Type of Material	Quantity	Source, If Known	Reason		

**NON-STORM WATER DISCHARGE  
ASSESSMENT AND CERTIFICATION**

(Source: EPA, 1992)

Worksheet # 5

Completed by: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date of Test or Evaluation	Outfall Directly Observed During the Test (Identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation

**CERTIFICATION**

Under penalty of law that this document and all attachments were prepared under the direction or supervision of qualified personnel properly gather and evaluate the information submitted. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	<b>B. Area Code and Telephone No.</b>
	<b>D. Date Signed</b>

**NON-STORM WATER DISCHARGE ASSESSMENT AND  
FAILURE TO CERTIFY NOTIFICATION**

(Source: EPA, 1992)

Worksheet # 6

Completed by: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Directions: If you cannot feasibly test or evaluate an outfall due to one of the following reasons, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the RWQCB within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution

**CERTIFICATION**

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 person or 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, and that such notification has been made to the RWQCB within 180 days of \_\_\_\_\_ (date permit was issued), the effective date of this permit.

<b>A. Name &amp; Official Title (type or print)</b>	<b>B. Area Code and Telephone No.</b>
<b>C. Signature</b>	<b>D. Date Signed</b>



**Industrial and Commercial Handbook**

The Industrial and Commercial Handbook provides guidance for selecting and implementing Best Management Practices (BMPs) to reduce the discharge of pollutants from industrial facilities and selected commercial businesses to waters of the state.

[Click here to view the 2004 Errata Pages.](#)

**CALIFORNIA STORMWATER QUALITY ASSOCIATION**



You will need *Acrobat Reader* to

[Search BMPs](#)

[Business Guide Sheets](#) [Home](#)

Click on the links below to view the individual handbook sections or click here to [view the entire](#)

\*\*Due to large document size, expect lengthy download time.\*\*

Note: The handbooks are formatted to print double-sided.

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	<a href="#">Introduction</a>
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1.1.1	Users of the Handbook
1.1.2	Organization of the Handbook
1.1.3	Relationship to Other Handbooks
1.2	Stormwater Pollutants and Impacts on Water Quality
1.3	Regulatory Requirements
1.3.1	Federal NPDES Program
1.3.2	State NPDES Program
1.3.3	Municipal NPDES Program
1.4	Definitions
1.5	References and Resources

<http://www.cabmphandbooks.com/Industrial.asp>

# Automotive Services – Auto Recycling



Photo Credit: Geoff Brosseau

## Description

This category includes facilities that impound, dismantle, and store and sell vehicles and vehicle parts. These facilities were required to obtain permit coverage under state and federal Phase I stormwater regulations. This guide sheet is intended to assist these facilities with permit compliance but does not supersede permit requirements. Activities include: draining fluids from vehicles, crushing and scrapping vehicle bodies, and recovering and recycling parts and vehicle fluids. Information specific to: body repair, maintenance, and service stations is provided in other guide sheets.

## Pollutant Sources

The following are sources of pollutants:

- Draining fluids from vehicles
- Crushing and scrapping vehicle bodies
- Recovering and recycling parts and vehicle fluids
- Unpaved or non-vegetated areas

Pollutants can include:

- Mercury - switches for convenience lighting, antilock braking systems (ABS), active ride control systems, high intensity discharge (HID) headlamps, and background lighting in automotive displays
- Other heavy metals (aluminum, cadmium, chromium, copper, iron, lead, and zinc) – waste oil, hydraulic fluid, antifreeze, fuels, tires/wheels, body/paint, radiators, carburetors/engines/transmissions, mufflers, catalytic converters, batteries, air bags, and brake pads



# Useful References

**Storm Water Multiple Application and Report Tracking System (SMARTS)**

**<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.

If you have any questions or for further assistance, please call State Water Board Staff at: 1-866-563-3107 Monday thru Friday 8:00AM - 5:00PM, or email [stormwater@waterboards.ca.gov](mailto:stormwater@waterboards.ca.gov)

SMARTS LOGIN

Best Used in Internet Explorer

User ID:

Password:

New User, Start here:

[Help](#)

Forgot User ID or password?

[Click here](#)

Public Access to NOI, SWPPPs & Annual Reports Data

Storm Water Data Public Access

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- [Storm Water Overview Reports](#)

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Notice Of Intent Search Criteria

Welcome to the Interactive Search for Storm Water Notice Of Intent!

Search Criteria:

<b>Application Type:</b>	Region 8 - Scrap Metal Permit ▼	<b>Application ID:</b>	<input type="text"/>
<b>Processed Between:</b>	<input type="text"/>  and <input type="text"/> 	<b>WDID:</b>	<input type="text"/>
<b>Owner/Operator Name:</b>	<input type="text"/>	<b>Region:</b>	All ▼
<b>Owner/Operator Street:</b>	<input type="text"/>	<b>County:</b>	All ▼
<b>Developer Name:</b>	<input type="text"/>	<b>Facility Name/Site Name:</b>	<input type="text"/>
<b>SIC Code:</b>	<input type="text"/>	<b>Facility/Site Street:</b>	<input type="text"/>
<b>Status:</b>	Active ▼	<b>Facility/Site City:</b>	<input type="text"/>

Search

Active

Region 8 –  
Scrap Metal Permit

Notice Of Intents Search Results

Following are the results that matched with your search criteria. To refine or start a new search, click Back button on the browser.

Export to Excel

App ID	WDID	Application Type	Status	Status Date	Owner/Operator Name & Address	Site/Facility Name & Address	NOI Form	Attachments	Receipt Letter
432453	8 33MR000045	Region 8 - Scrap Metal Permit	Active	01/04/2013	Arduz International 23900 Highway 74 Perris California 92570	A1 Salvage 23900 Highway74 Perris California 92570	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
431864	8 36MR000044	Region 8 - Scrap Metal Permit	Active	10/19/2012	Dicks Auto Wreckers 15185 Whittram Ave Fontana California 92335	Dicks Auto Wreckers 15185 Whittram Ave Fontana California 92335	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
430663	8 36MR000043	Region 8 - Scrap Metal Permit	Active	09/06/2012	JMP Sports Inc	JMP Sports Inc 1155 Brooks St #104 Ontario California 91762		<a href="#">View Attachments</a>	
429631	8 33MR000041	Region 8 - Scrap Metal Permit	Active	08/09/2012	Ecology Auto Parts Inc 14150 Vine Pl Cerritos California 90703	Ecology Auto Parts 23332 Cajalco Road Perris California 92570	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
429579	8 33MR000042	Region 8 - Scrap Metal Permit	Active	09/05/2012	Danco Enterprises Incorporated 920 Citrus Street Riverside California 92507	Danco Enterprises Incorporated 920 Citrus Street Riverside California 92507	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
428576	8 33MR000039	Region 8 - Scrap Metal Permit	Active	07/11/2012	BAS Recycling Inc 14050 Day Street Moreno Valley California 92553	BAS Recycling Inc 14050 Day Street Moreno Valley California 92553	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
428289	8 36MR000038	Region 8 - Scrap Metal Permit	Active	07/09/2012	City Recycling Center 836 Preston St San Bernardino California 92346	City Recycling Center 836 Preston Street San Bernardino California 92346	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
428165	8 30MR000040	Region 8 - Scrap Metal Permit	Active	07/09/2012	ALL MET RECYCLING 1401 N MILLER STREET Anaheim California 92806	ALL MET RECYCLING 1401 N MILLER STREET Anaheim California 92806	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
428026	8 30MR000039	Region 8 - Scrap Metal Permit	Active	07/09/2012	Vi Cal Metals Inc 1400 North Baxter Street Anaheim California 92806	Vi Cal Metals Inc 1400 North Baxter Street Anaheim California 92806	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>
428025	8 30MR000038	Region 8 - Scrap Metal Permit	Active	07/09/2012	Vi Cal Metals Inc 1645 North Case Street Orange California 92867	Vi Cal Metals Inc 1645 North Case Street Orange California 92867	<a href="#">NOI Form</a>	<a href="#">View Attachments</a>	<a href="#">Receipt Letter</a>

**View Attachments**

First Prev Next Last Current Page:1 Total Pages:3

## *Water Boards Storm Water Multiple Application & Report Tracking System*

### Notice Of Intent - View Attachments

The following are the attachments related to the NOI. Click on the link "Attachment Id" to view them.

Attachment Id	Attachment For	File Type	File Title	File Description	Part No	Date Attached
<a href="#">1134930</a>	NOI	SWPPP	Storm Water Pollution Prevention Plan		1/1	08/30/2012
<a href="#">1138137</a>	NOI	Submitted NOI pdf	Submitted NOI pdf		/	09/05/2012
<a href="#">1134932</a>	NOI	Facility/Site Map	Site Map for NOI		1/1	08/30/2012

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# Useful References



EPA 833-B-09-002



## Developing Your Stormwater Pollution Prevention Plan

A Guide for Industrial Operators

February 2009



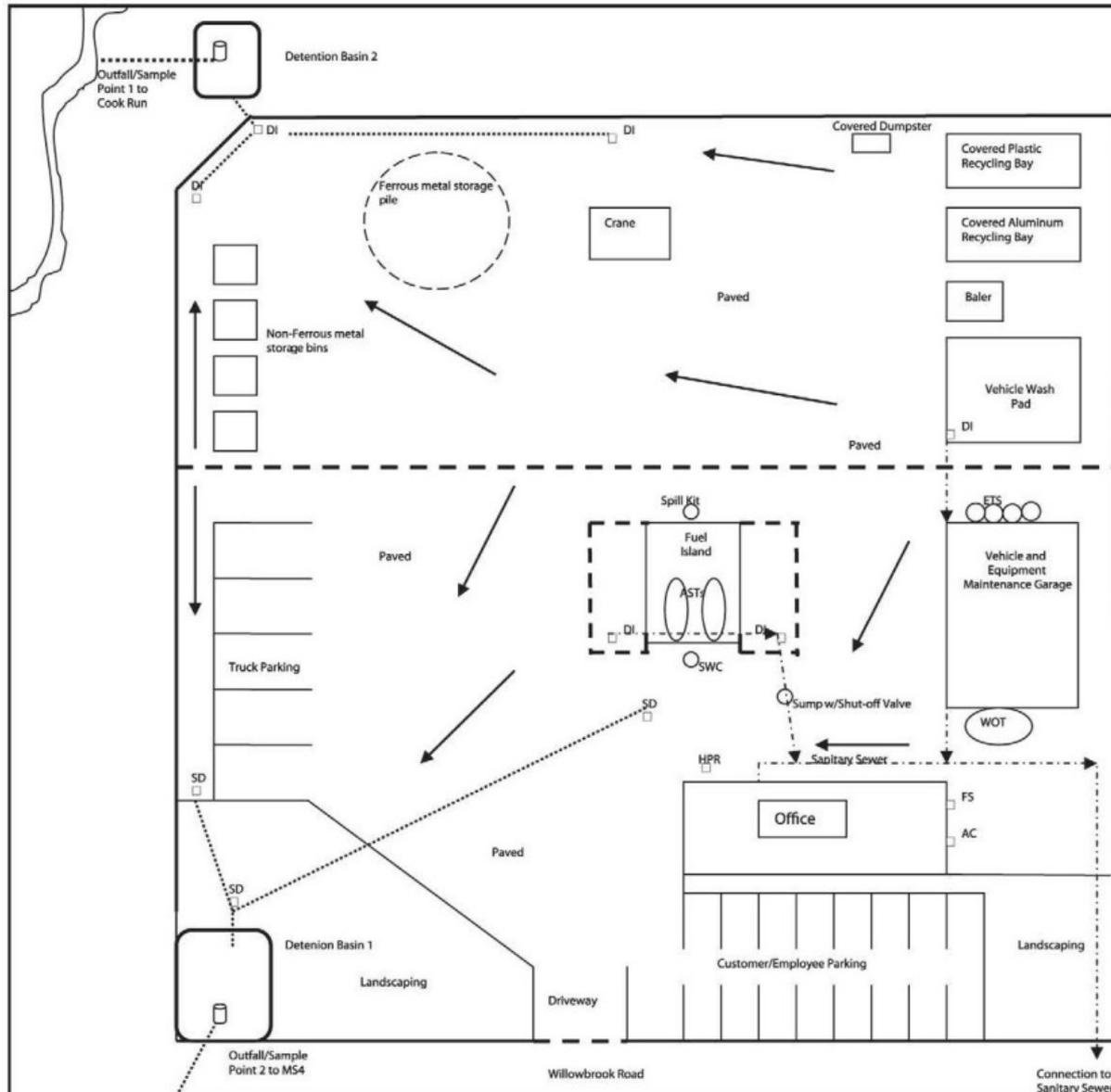
# USEPA

[http://cfpub.epa.gov/npdes/  
stormwater/msgpp.cfm?  
program\\_id=6](http://cfpub.epa.gov/npdes/stormwater/msgpp.cfm?program_id=6)

# Acme Scrap Metal Recycling Yard Site Map

110 Willowbrook Road, Anywhere, USA 00011

SWPPP Contact: John Doe (111) 999-0000



### Symbols:

- Speed Bump
- Concrete Curbing - Approximate Facility Operation
- Area Boundary
- ..... Storm Sewer
- - - Sanitary Sewer
- Flow Path

### Acronym List:

- SD Storm Drain
- DI Drop Inlet
- SWC Solid Waste Can (General Location)
- WOT Waste Oil Tank
- ETS Empty Tank Storage
- AST Above Ground Storage Tank
- MS4 Municipal Separate Storm Sewer System

### Authorized Non-Stormwater Discharges:

- HPR Hot Water Heater Pressure Relief Pipe (potable water)
- AC Air Conditioning Condensate
- FS Fire Suppression System Test Discharge (potable water)

### Spills:

Minor fuel spill on fuel island – July 20, 2007

Potential Pollutant Source:	Potential Pollutants:
Vehicle and Equipment Maintenance Garage	Fuel, oil, antifreeze, grease, hydraulic fluid, brake fluid, solvents, transmission fluid, parts washer, and paint
WOT: Waste Oil Tank	Aboveground 500-gallon waste oil tank
ETS: Empty Tank Storage	Residual oil, lubricants, hydraulic fluid
SWC: Solid Waste Can	
AST: Above Ground Storage Tank	Two 1000 gallon ASTs, Diesel and Gasoline
Covered Aluminum Recycling Bay	Aluminum
Covered Plastic Recycling Bay	Plastic
Baler	Hydraulic fluid, grease, aluminum, plastic
Crane	Hydraulic fluid, oil, grease, fuel
Ferrous metal storage pile	Ferric metals
Non-Ferrous metal storage bins	Non-Ferric metals
Truck Parking	Oil, grease, fuel

Impervious Surface Estimate  
 (% of total facility area): 90%  
 Total Facility Size (acres): 6.5

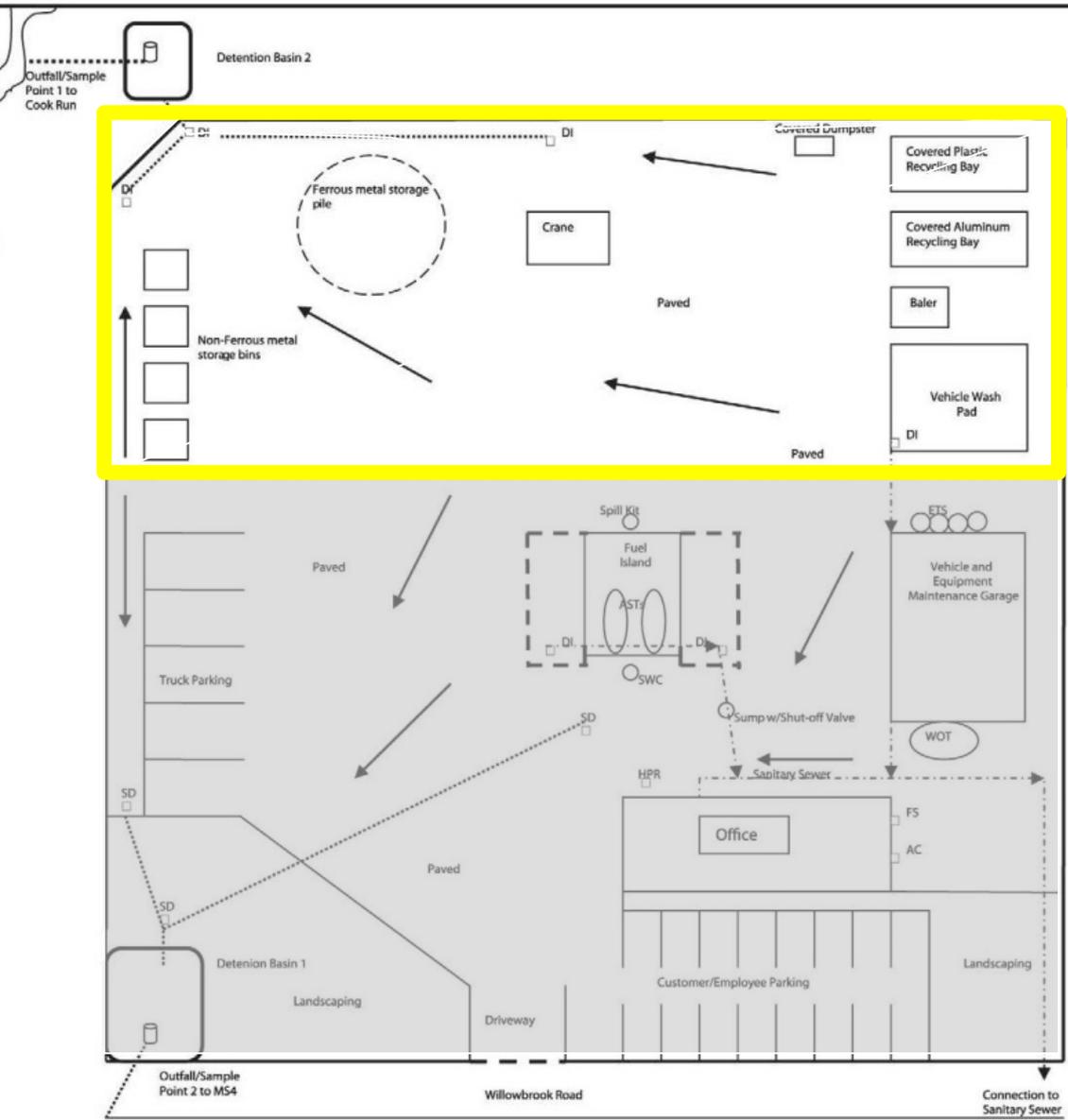
### Map Notes:

- All interior floor drains, including the vehicle wash area and fuel island, discharge to the municipal sanitary sewer system.
- All SDs are part of the MS4. Contact the City of Anywhere Public Works Department, Stormwater Management Division at (111) 999-0001 concerning significant inspection findings associated with these storm drains.



Not to Scale

**Acme Scrap Metal Recycling Yard Site Map**  
 110 Willowbrook Road, Anywhere, USA 00011  
 SWPPP Contact: John Doe (111) 999-0000



- Symbols:**
- Speed Bump
  - Concrete Curbing - Approximate Facility Operation
  - Area Boundary
  - ..... Storm Sewer
  - - - Sanitary Sewer
  - Flow Path
- Acronym List:**
- SD Storm Drain
  - DI Drop Inlet
  - SWC Solid Waste Can (General Location)
  - WOT Waste Oil Tank
  - ETS Empty Tank Storage
  - AST Above Ground Storage Tank
  - MS4 Municipal Separate Storm Sewer System
- Authorized Non-Stormwater Discharges:**
- HPR Hot Water Heater Pressure Relief Pipe (potable water)
  - AC Air Conditioning Condensate
  - FS Fire Suppression System Test Discharge (potable water)

**Spills:**  
 Minor fuel spill on fuel island – July 20, 2007

Potential Pollutant Source:	Potential Pollutants:
Vehicle and Equipment Maintenance Garage	Fuel , oil, antifreeze, grease, hydraulic fluid, brake fluid, solvents, transmission fluid, parts washer, and paint
WOT: Waste Oil Tank	Aboveground 500-gallon waste oil tank
ETS: Empty Tank Storage	Residual oil, lubricants, hydraulic fluid
SWC: Solid Waste Can	
AST: Above Ground Storage Tank	Two 1000 gallon ASTs, Diesel and Gasoline
Covered Aluminum Recycling Bay	Aluminum
Covered Plastic Recycling Bay	Plastic
Baler	Hydraulic fluid, grease, aluminum, plastic
Crane	Hydraulic fluid, oil, grease, fuel
Ferrous metal storage pile	Ferric metals
Non-Ferrous metal storage bins	Non-Ferric metals
Truck Parking	Oil, grease, fuel

Impervious Surface Estimate  
 (% of total facility area): 90%  
 Total Facility Size (acres): 6.5

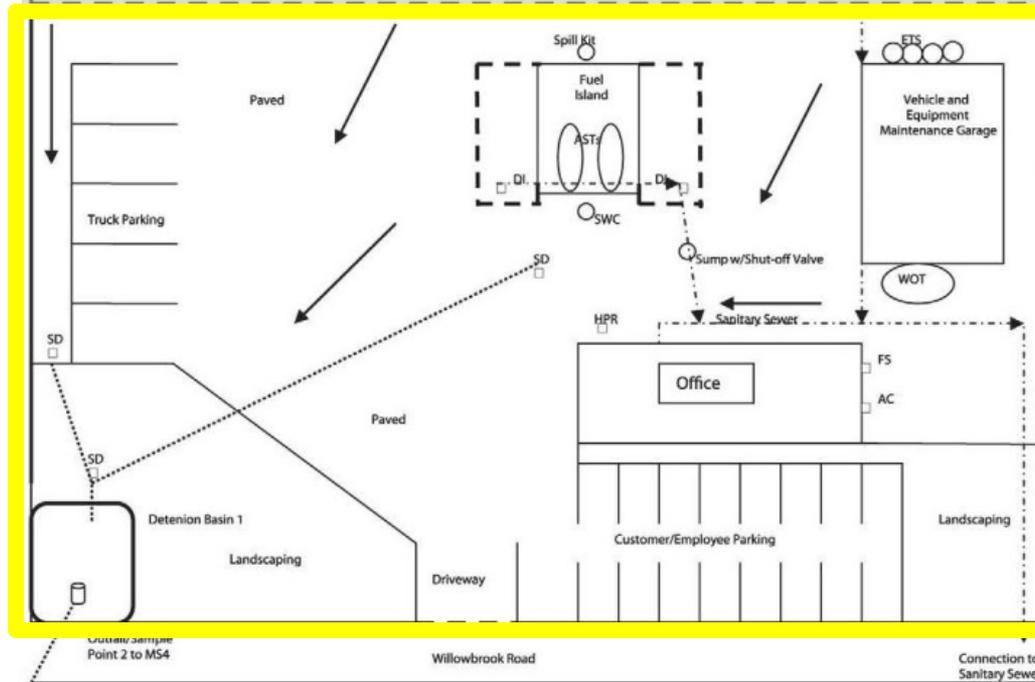
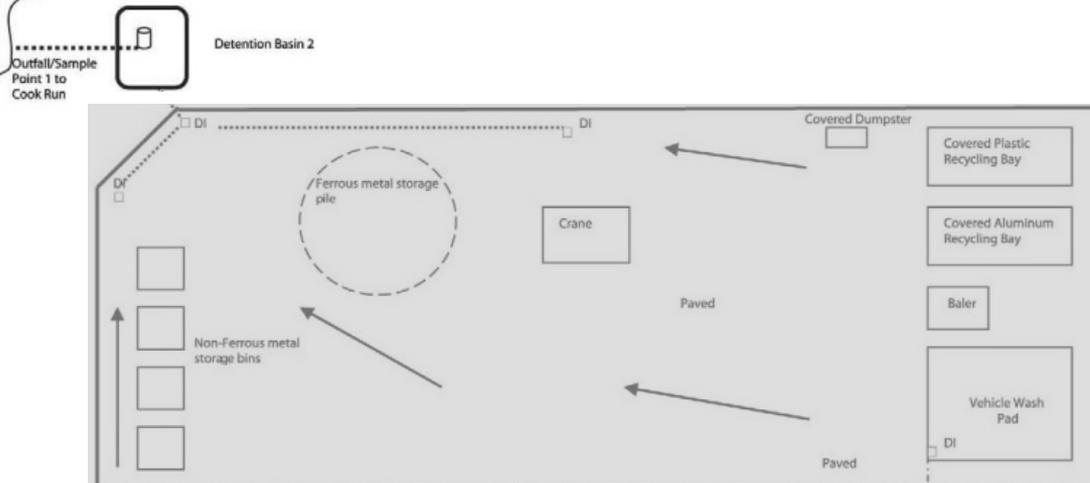
**Map Notes:**

- All interior floor drains, including the vehicle wash area and fuel island, discharge to the municipal sanitary sewer system.
- All SDs are part of the MS4. Contact the City of Anywhere Public Works Department, Stormwater Management Division at (111) 999-0001 concerning significant inspection findings associated with these storm drains.



Not to Scale

**Acme Scrap Metal Recycling Yard Site Map**  
 110 Willowbrook Road, Anywhere, USA 00011  
 SWPPP Contact: John Doe (111) 999-0000



**Map Notes:**

- All interior floor drains, including the vehicle wash area and fuel island, discharge to the municipal sanitary sewer system.
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Not to Scale

**Symbols:**

- Speed Bump
- Concrete Curbing - Approximate Facility Operation
- Area Boundary
- ..... Storm Sewer
- - - Sanitary Sewer
- Flow Path

**Acronym List:**

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Impervious Surface Estimate  
 (% of total facility area): 90%  
 Total Facility Size (acres): 6.5

## Additional MSGP Documentation Template

### Introduction

After you become permitted under the 2008 MSGP, you are required to keep certain minimum records (or documentation) as part of the implementation of your permit responsibilities. As required in Part 5.4 of the 2008 MSGP, these records must be kept in the same place your SWPPP (which you completed prior to submitting your NOI to be covered) is kept. This "Additional MSGP Documentation Template" (or "Template") will assist you in complying with this requirement.

### *Using the Additional MSGP Documentation Template*

Tips for using the Template:

- **This Template is designed for use by all facilities permitted under the 2008 MSGP. The Template is NOT tailored to your individual industrial sector. Depending on which industrial sector(s) you fall under (see Appendix D of the 2008 MSGP) and where your facility is located (see Appendix C of the 2008 MSGP), you will need to address any additional documentation requirements outlined in Part 8 and/or Part 9 of the permit, respectively.**
- **Each section of the template includes "instructions" and space for your facility's specific information. You should read the instructions before you complete each section. The text you will need to complete is generally indicated through the use of blue form fields (e.g., "Insert Facility Name"). Click on the form field and your text will replace the instructional text.**
- **The Template was developed in *Microsoft Word* so that you can easily add tables and additional text.**
- **Because many of the activities you are required to document occur throughout the permit term, you will need to continually modify and add records to this Template. You may wish to create separate electronic files for each category of documentation (e.g., files for monitoring, employee training, etc.) so that they can be easily modified.**
- **The records you create using this Template must be kept in the same location as your SWPPP.**

EPA notes that while EPA has made every effort to ensure the accuracy of all instructions and guidance contained in the Template, the actual obligations of regulated industrial facilities are determined by the relevant provisions of the permit, not by the Template. In the event of a conflict between the Template and any corresponding provision of the MSGP, the permit provisions establish your actual requirements. EPA welcomes comments on the Template at any time and will consider those comments in any future revision of this document.

[http://cfpub.epa.gov/  
npdes/stormwater/  
msgp.cfm](http://cfpub.epa.gov/npdes/stormwater/msgp.cfm)

# Design Storm Event

**The rainfall depth or intensity to which the treatment systems shall be designed.**

**The Permit defines the Design Storm Event as the 95th percentile storm event for the area.**

# Design Storm Event

Obtain the 24-hr daily precipitation data set from the closest rain gauge.

<http://www.ncdc.noaa.gov/oa/ncdc.html>

Or

From an on-site rain gauge

Or

From the County Flood Control.

Use the PERCENT function in Excel to calculate the 0.95 value.

`=PERCENTILE(C2:C40,0.95)`

Date	Rainfall (in)	Rainfall (in)
7/23/2011	0.01	
8/1/2011	0.08	
9/6/2011	0.01	
10/6/2011	0.62	0.62
10/25/2011	0.02	
10/26/2011	0.04	
11/3/2011	0.12	0.12
11/4/2011	0.06	
11/5/2011	0.35	0.35
11/7/2011	0.58	0.58
11/12/2011	0.15	0.15
11/13/2011	0.01	
11/21/2011	0.55	0.55
12/13/2011	0.42	0.42
12/15/2011	0.01	
12/16/2011	0.03	
12/17/2011	0.01	
1/16/2012	0.05	
1/18/2012	0.01	
1/21/2012	0.16	0.16
1/22/2012	0.09	
1/24/2012	0.18	0.18
1/25/2012	0.01	
2/14/2012	0.01	
2/16/2012	0.29	0.29
2/28/2012	0.13	0.13
3/18/2012	0.81	0.81
3/19/2012	0.1	0.1
3/20/2012	0.01	
3/26/2012	0.23	0.23
4/1/2012	0.02	
4/11/2012	0.21	0.21
4/12/2012	0.02	
4/14/2012	0.46	0.46
4/15/2012	0.01	
4/26/2012	0.44	0.44
4/27/2012	0.02	
5/2/2012	0.07	
5/3/2012	0.01	
95%		0.658

Using the PERCENTILE function in excell.

# Options

Option 1 – Phased approach

Option 2 – Effluent limits - Table 1b

# Phase I Requirements

## operational source control BMPs

- **Schedule of activities,**
- **Prohibition of practices,**
- **Maintenance procedures,**
- **Employee training,**
- **Good housekeeping and**
- **Other practices to control pollutant sources.**

# **Phase I Requirements structural source control and treatment control measures**

- Paving the industrial areas,**
- Constructing percolation basins and**
- Oil-water separators.**

# Phase I Requirements

## Volume control BMPs

**Percolation basins,**

**Evapotranspiration systems, and**

**Reuse**

# Phase I

## Minimum Control Measures

### Facility Information:

- **Site Map**
- **SWPPP**

# Phase I

## Minimum Control Measures

### Preventative Measures - Sources:

- Maintain a current inventory of materials and chemicals;
- Identify potential pollutant sources;
- Diverting run-ons and flows from non-industrial Sources.
- Eliminate all unauthorized non-storm water discharges;

# Authorized Non-Storm Water Discharges

- **Section III.A., page 15 of 65.**
  - **Uncontaminated condensate from refrigeration, air conditioning and compressor units;**

# Authorized Non-Stormwater Discharges

- **Authorized, if uncontaminated.**
- **Authorized only if the water does not flow through any source of pollutants on the way to the storm drain.**

# De Minimus Non-Storm Water Discharges

- **Section III.B, page 15 of 65**
  - **Fire Hydrant Flushing**

# Phase I - Minimum Control Measures

## Preventative Measures – BMPs

### Steps to Reduce Pollutants:

- Inspect and maintain industrial areas, keep record of inspections;
- Drain fluids, use drip pans and absorbent materials;
- Build secondary containment and roofs;
- Sweep industrial areas on a regular basis, Keep records of sweeping activities;
- Minimize storm water contact with contaminating materials;

# Option 1, Phase I

- **Section VIII.E.1.c.i., page 22 of 65.**
- **Preventative Measures: Each facility shall implement the following preventative measures:**
  - **Use drip pans and absorbent materials under or around leaky industrial vehicles and equipment. Keep records of drip pan use & maintenance with inspection records identified in ix, above.**
  - **Build secondary containment and roofs over chemicals and hazardous materials storage areas.**

# Phase I

## Minimum Control Measures

- **Mitigative Measures:**
  - **Develop and implement a spill response procedure; Cleanup spills and leaks promptly using dry methods (e.g., absorbents);**
  - **Develop and implement control measures for oily wastes;**

# Phase I

## Minimum Control Measures

- **Mitigative Measures:**
  - **Identify and evaluate the need for advanced treatment controls.**
  - **Develop a Rain Event Action Plan (REAP)**

# Phase I - Minimum Control Measures

## Monitoring & Record Keeping

- **Visual Inspections and Monitoring & Reporting:**
  - **Monthly visual inspections**
  - **Prior to any predicted storm event**

# Phase I - Minimum Control Measures Monitoring & Record Keeping

- **Prepare for storm event.**
  - **REAP.**
  - **QAPP for Sampling.**
  - **Lab Contract.**
  - **Laboratory Contact Information.**
  - **Delivery Procedures.**

# Certification

**“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 person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, 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 for knowing violations.”**

# Legally Responsible Person (LRP)

**An LRP\* is either the owner of the business or a responsible corporate officer. A responsible corporate officer means:**

- A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or**

# Legally Responsible Person (LRP)

**A responsible corporate officer means:**

- **The manager of the facility if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.**

# Approved Signatory

**A person who has been authorized by the Legally Responsible Person to sign, certify, and electronically submit Permit Documents.**

**The Approved Signatory must be one of the following:**

- For a corporation or limited liability company: a responsible corporate officer.**
- For a partnership or sole proprietorship: a general partner or the proprietor, respectively;**

# Approved Signatory

- **For a municipality, State, Federal, or other public agency:**
  - A principal executive officer, ranking elected official, city manager, council president, or other public employee with managerial responsibility over the industrial facility (including, but not limited to, project manager, project superintendent, or resident engineer);
- **For a public university: an authorized university official;**

# Approved Signatory

- **For the military: any military officer or Department of Defense civilian, acting in an equivalent capacity, who has been designated;**
- **For an individual: the individual, because the individual acts as both the Legally Responsible Person and the Approved Signatory.**
- **For any type of entity not listed above: an authorized person with managerial authority over the industrial facility.**

# Penalties

**Penalties for misrepresenting the person certifying submittals is assessed against the person making the false representation.**

# Reminder:

**A Rain event starting before start of business hours does not preclude sampling if there is still runoff at the start of business or at the time business normally starts.**

# Numeric Action Level (NAL)

- **A concentration limit for certain constituents used as a warning to evaluate if best management practices are effective.**
- **These levels are not considered as effluent limits.**

# Numeric Action Level (NAL)

- For facilities with multiple discharge points, if the area-weighted averages of the geometric means of all sampling results during a reporting period exceeds the NAL (use arithmetic mean for pH),
- If a single grab or composited sample from a single storm event exceeds the NAL by two times (or falls outside of the range of 5.5 to 9.5 pH units), or
- For facilities with a single discharge point, if the geometric mean of all sampling results during a reporting period exceeds the NAL (use arithmetic mean for pH)

# **Numeric Effluent Limitations (NEL)**

**A quantitative limitation on a pollutant concentration or level to protect beneficial uses and water quality objectives of a water body.**

**Is a permit limitation for Option 2 – Non-Phased Approach.**

# Phase I Requirements (3)

## Option 1

- **Triggers for Exceedances of NALs**
  - **Multiple discharge points**
  - **Single sampling event**
  - **Annual average**
  - **Volume reduction BMPs & non-polluting cover**

# Phase II

## Corrective Action Plan

**Section III.E.1.b.ii, page 20 of 65.**

- **When is a Corrective Action Plan Required.**
- **Implemented within 90 days of approval.**
- **Section VIII.E.1.c.ii.3), page 24 of 65.**
  - **Should identify the sources of pollutant(s) causing the exceedance, propose control measures, and the expected discharge quality once the Plan is implemented.**

# Phase II

## Corrective Action Plan

- **Should focus on Preventative Measures.**
- **If needed design an advanced media filtration system or an equivalent treatment system.**
- **All proposals for advanced media filtration systems or other equivalent treatment systems shall be submitted to the Regional Board staff for approval by August 15, 2013**
- **Compliance samples collected following treatment prior to discharge.**

# Questions

## San Bernardino and Riverside Counties

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## Orange County

Mary Bartholomew

951-321-4586

[mbartholomew@waterboards.ca.gov](mailto:mbartholomew@waterboards.ca.gov)