

STORM WATER SCRAP METAL GENERAL PERMIT WORKSHOP II

CERTIFIED PERSONS TRAINING

**Rancho Cucamonga, CA
September 11, 2012**

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Santa Ana Regional Water Quality Control Board

PLEASE TURN
YOUR
CELL PHONE
OFF

SM-QSD, SM-QSP and CERTIFIED PERSONS

- This training is for the Certified Person. Anyone handling samples should be properly trained and certified.
- This is the first part of the Scrap Metal permit QSD/QSP Training.
- Once you complete the test at the end of the training, a **Certified Persons** Certificate of Completion will be handed out at the end of the meeting.

AGENDA

- I. Introduction
- II. Upcoming Permit Requirements
- III. Certified Persons Training
 - A. Training by Associated Laboratories.
 - B. Test
- IV. Simplified Quality Assurance Program Plan (QAPP)
- V. SMARTS – Analytical Data Input
- VI. Closing

Upcoming Permit Requirements

QAPP	Before any sample collection and analysis.
REAP	48 Hours before a predicted storm with a 40% or greater probability.
Annual Report	August 1, 2013 and annually thereafter.
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.	By June 30, 2013 and annually thereafter.
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	August 12, 2013

Monitoring and Reporting Program MRP

- Monitoring and Reporting Program No. R8-2012-0012 requires the permittees to develop or revise the existing monitoring and reporting program.

Visual Monitoring

- Industrial areas
 - Monthly (At least 15 days apart)
 - Recorded in permanent log
 - name of the person conducting the inspection,
 - date and time,
 - weather conditions, and
 - findings regarding any discharges from the facility

Phase I Requirements

Phase I - Minimum Control Measures

1) Facility Information:

- Site Map
- SWPPP

Phase I - Minimum Control Measures

2) Preventative Measures:

- Maintain a current inventory of materials and chemicals;
- Identify potential pollutant sources;
- Pave industrial areas prone to erosion;
- Develop and implement a Rain Event Action Plan (REAP);
- Minimize the runoff from the site through LID;
- Divert run-ons and flows from non-industrial areas;

Phase I - Minimum Control Measures

2) Preventative Measures:

- Eliminate all unauthorized non-storm water discharges;
- 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;

Phase I - Minimum Control Measures

3) 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;
- Identify and evaluate the need for advanced treatment controls.

Phase I Requirements (1)

Table 1a Numeric Action Levels for Option 1

Item No.	Constituent ¹⁴	Units	Action Level (Annual average) ¹⁵
1	pH	pH units	6.5 to 8.5 ¹⁶
2	Turbidity	NTU	250 ¹⁷
3	Specific Conductance	μ mhos/cm or μ siemen/cm	2000 ¹⁸
4	Oil and Grease	milligrams/liter	15 ¹⁹
5.	Chemical Oxygen Demand (COD)	milligrams/liter	120 ¹⁹

Phase I Requirements (2)

Item No.	Constituent ¹⁴	Units	Action Level (Annual average) ¹⁵
6.	Aluminum (total recoverable)	milligrams/liter	0.75 ¹⁹
7.	Copper (total recoverable)	milligrams/liter	0.0189 ²⁰
8.	Iron (total recoverable)	milligrams/liter	1.0 ¹⁹
9.	Lead (total recoverable)	milligrams/liter	0.122 ¹⁹
10.	Zinc (total recoverable)	milligrams/liter	0.16 ¹⁹

¹⁴ pH, turbidity and specific conductance shall be measured in the field as soon as a sample is collected.

¹⁵ Annual average: Geometric mean of all analytical results obtained during the reporting period (July 1 to June 30); see Footnote 16 for pH.

¹⁶ Based on Basin Plan objectives. For pH, the annual average shall be an arithmetic mean (geometric mean is not appropriate for log transformed data such as pH).

¹⁷ Based on Best Professional Judgment

¹⁸ Based on Basin Plan prohibition on discharges to ground

¹⁹ Based on USEPA's Benchmark Values

²⁰ Total recoverable copper, lead and zinc are based on an average hardness range of 125-150 mg/liter for the region's receiving waters during storm event discharge.

Phase I Requirements (3)

Option 1

- Triggers for Exceedances of NALs
 - Multiple discharge points
 - Single sampling event
 - Annual average
 - Volume reduction BMPs

Rain Event Action Plan (REAP)

Implemented in the event of a predicted storm (weather.gov) with a 40% or greater probability.

The REAP should include, at a minimum, the following site information:

1. Site Name, Address, and WDID Number
2. Location of Pollution Control BMPs
3. Certified Person and alternate information including the name, company, and telephone number for contact

Rain Event Action Plan (REAP)

Consider the following:

1. Ensure that all control measures are appropriate, implemented, maintained, and functional;
2. Temporarily covering exposed materials, as appropriate;
3. Sweeping the site and clearing debris and trash;
4. Covering trash bins; and
5. Other measures to minimize the exposure of industrial areas and process areas to storm water;

Record of REAP activity documented in the SWPPP, dated & signed.

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.

Certified Persons Training

Marycarol Valenzuela
Associated Laboratories

–Test

–Review Questions

Simplified QAPP Presentation

Mary Bartholomew
Environmental Scientist
Santa Ana RWQCB

SMARTS – Monitoring Data Input

Michelle Beckwith
Environmental Scientist
Santa Ana RWQCB

Closing

- Upcoming Workshops –
 - SM-QSP/SM-QSD
 - Compliance Assessment
 - Interpreting the Monitoring Results
 - Annual Report

Questions ?

San Bernardino and Riverside Counties

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