Appendix B
Receipt of Notice of Intent

State Water Resources Control Board

Linda S. Adams
Secretary for Environmental Protection

Division of Water Quality

1001 I Street • Sacramento, California 95814 • (916) 341-5538
Mailing Address:P.O. Box 1977 • Sacramento, California • 95812-1977
FAX (916) 341-5543 • Internet Address: http://www.waterboards.ca.gov/stormwtr/index.html
Email Address: stormwater@waterboards.ca.gov

Arnold Schwarzenegger
Governor

Date Processed: 3/2/1992
Anaheim Truck Depot
1231 N. Blue Gum Street
Anaheim, CA 92806

RECEIPT OF YOUR NOTICE OF INTENT

The State Water Resources Control Board (State Water Board) has received and processed your NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY. Accordingly, you are required to comply with the permit requirements.

The WDID identification number: **8 30I000219.** Please use this number in any future communications regarding this permit.

FACILITY DESCRIPTION

OPERATOR:	Anaheim Truck Depot
FACILITY:	Anaheim Truck Depot
COUNTY:	Orange
FACILITY LOCATION:	1231 N. Blue Gum Street Anaheim, CA 92806

When the operator changes (i. e. the business was bought or transferred), a new Notice of Intent (NOI), site map, and fee must be submitted by the new operator. As the previous operator, you are required to submit a Notice of Termination (NOT) to the Regional Water Board stating that your facility is not being operated by you and that you no longer need to be covered by the General Permit. Unless notified, you will continue to be invoiced for the annual fee each **April**.

If you have any questions regarding permit requirements, please contact your Regional Water Board at (951) 782-4130. Please visit the storm water web page at www.waterboards.ca.gov/stormwtr/index.html to obtain storm water related information and forms.

Sincerely,

Storm Water Section
Division of Water Quality

Appendix C
Example of Annual Report Forms

State of California
STATE WATER RESOURCES CONTROL BOARD

2012-2013

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2012 through June 30, 2013

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.swrcb.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: _____

Facility Business Name: _____ Contact Person: _____

Physical Address: _____ e-mail: _____

City: _____ **CA** Zip: _____ Phone: _____

Standard Industrial Classification (SIC) Code(s): _____

B. Facility Operator Information:

Operator Name: _____ Contact Person: _____

Mailing Address: _____ e-mail: _____

City: _____ State: ___ Zip: _____ Phone: _____

C. Facility Billing Information:

Operator Name: _____ Contact Person: _____

Mailing Address: _____ e-mail: _____

City: _____ State: ___ Zip: _____ Phone: _____

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

   ☐ **YES** Go to Item D.2 ☐ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

   i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

   _____

   ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

   iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

   iv. ☐ Received Regional Board Certification Certification Date: _____

   v. ☐ Received Local Agency Certification Cetification Date: _____

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

   ☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? _____ If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

   ☐ **YES** ☐ **NO, attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? _____

4. For each storm event sampled, did you collect and analyze a sample from each of the facilitys' storm water discharge locations? ☐ YES, go to Item E.6 ☐ NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☐ YES ☐ NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated _____

6. Were all samples collected during the first hour of discharge? ☐ YES ☐ NO, **attach explanation**

7. Was all storm water sampling preceded by three (3) working days without a storm water discharge? ☐ YES ☐ NO, **attach explanation**

8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) ☐ YES ☐ NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☐ YES ☐ NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☐ YES ☐ NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☐ YES ☐ NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler.
- Parameters tested.
- Name of analytical testing laboratory.
- Discharge location identification.
- Testing results.
- Test methods used.
- Test detection limits.
- Date of testing.
- Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**
Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

☐ **YES** ☐ **NO** Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers**. Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September ☐ **YES** ☐ **NO** ☐ **N/A** October-December ☐ **YES** ☐ **NO** ☐ **N/A**

January-March ☐ **YES** ☐ **NO** ☐ **N/A** April-June ☐ **YES** ☐ **NO** ☐ **N/A**

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

i. name of each authorized non-storm water discharge
ii. date and time of observation
iii. source and location of each authorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**
Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers**.

July -September ☐ **YES** ☐ **NO** October-December ☐ **YES** ☐ **NO**

January-March ☐ **YES** ☐ **NO** April-June ☐ **YES** ☐ **NO**

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☐ **YES** ☐ **NO** Go to item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☐ **YES** ☐ **NO** **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

i. name of each unauthorized non-storm water discharge.
ii. date and time of observation.
iii. source and location of each unauthorized non-storm water discharge.
iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
v. name, title, and signature of observer.
vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers**. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	☐	☐	February	☐	☐
November	☐	☐	March	☐	☐
December	☐	☐	April	☐	☐
January	☐	☐	May	☐	☐

2. Report monthly wet season visual observations using **Form 4** or provide the following information.

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☐ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occured during the last year.
   - outdoor wash and rinse areas.
   - process/manufacturing areas.
   - loading, unloading, and transfer areas.
   - waste storage/disposal areas.
   - dust/particulate generating areas.
   - erosion areas.
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☐ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified: ☐ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? ☐ YES ☐ NO

   The following records should be reviewed:

   - quarterly authorized non-storm water discharge visual observations
   - monthly storm water discharge visual observation
   - records of spills/leaks and associated clean-up/response activities
   - quarterly unauthorized non-storm water discharge visual observations
   - Sampling and Analysis records
   - preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? ☐ YES ☐ NO

   The following SWPPP items should be reviewed:

   - pollution prevention team
   - list of significant materials
   - description of potential pollutant sources
   - assessment of potential pollutant sources
   - identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? ☐ YES ☐ NO

   The following BMP categories should be reviewed:

   - good housekeeping practices
   - spill response
   - employee training
   - erosion control
   - quality assurance
   - preventative maintenance
   - material handling and storage practices
   - waste handling/storage
   - structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? ☐ YES ☐ NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? ☐ YES ☐ NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☐ YES (Mandatory)		
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☐ YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☐ NA
4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☐ YES	☐ NO	☐ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and 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 ensure 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 person 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.

Printed Name: _____

Signature: _____ Date: _____

Title: _____

DESCRIPTION OF BASIC ANALYTICAL PARAMETERS

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC),and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

pH is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

Total Suspended Solids (TSS) is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

Specific Conductance (SC) is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

Total Organic Carbon (TOC) is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

Oil and Grease (O&G) is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at http://www.swrcb.ca.gov. It is contained in the Sampling and Analysis Reduction Certification.

See Storm Water Contacts at

http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml

2012-2013

ANNUAL REPORT

SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S):_____ **TITLE:** _____ **SIGNATURE:** _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	**DATE/TIME OF SAMPLE COLLECTION**	**TIME DISCHARGE STARTED**	**ANALYTICAL RESULTS For First Storm Event**									
			BASIC PARAMETERS					**OTHER PARAMETERS**				
			pH	TSS	SC	O&G	TOC					
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
TEST REPORTING UNITS:			**pH Units**	**mg/l**	**umho/cm**	**mg/l**	**mg/l**					
TEST METHOD DETECTION LIMIT:												
TEST METHOD USED:												
ANALYZED BY (SELF/LAB):												

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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SIDE B

FORM 1-SAMPLING & ANALYSIS RESULTS

SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S):_____ **TITLE:** _____ **SIGNATURE:** _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	**DATE/TIME OF SAMPLE COLLECTION**	**TIME DISCHARGE STARTED**	**ANALYTICAL RESULTS For First Storm Event**									
			BASIC PARAMETERS					**OTHER PARAMETERS**				
			pH	TSS	SC	O&G	TOC					
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
	_____ ☐ AM _____ ☐ PM	☐ AM _____ ☐ PM										
TEST REPORTING UNITS:			**pH Units**	**mg/l**	**umho/cm**	**mg/l**	**mg/l**					
TEST METHOD DETECTION LIMIT:												
TEST METHOD USED:												
ANALYZED BY (SELF/LAB):												

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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ANNUAL REPORT

SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: _____	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: _____	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: _____	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: _____	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☐ **NO** If **YES**, complete reverse side of this form.

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ANNUAL REPORT

SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
_____ _____ ☐ AM ☐ PM					
_____ _____ ☐ AM ☐ PM					
_____ _____ ☐ AM ☐ PM					
_____ _____ ☐ AM ☐ PM					
_____ _____ ☐ AM ☐ PM					

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ANNUAL REPORT

SIDE A

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE/TIME OF OBSERVATIONS** ☐ AM _____ __ __ ☐ PM	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ **YES** ☐ **NO** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ **YES** ☐ **NO**	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE/TIME OF OBSERVATIONS** ☐ AM _____ __ __ ☐ PM	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ **YES** ☐ **NO** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ **YES** ☐ **NO**	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE/TIME OF OBSERVATIONS** ☐ AM _____ __ __ ☐ PM	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ **YES** ☐ **NO** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ **YES** ☐ **NO**	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** ☐ AM _____ __ __ ☐ PM	**Observers Name:** _____ **Title:** _____ **Signature:** _____	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ **YES** ☐ **NO** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ **YES** ☐ **NO**	If **YES** to either question, complete reverse side.

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ANNUAL REPORT

SIDE B

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.		**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
			AT THE UNAUTHORIZED NSWD SOURCE	**AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION**	
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					

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ANNUAL REPORT

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October ____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: November____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: December____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: January____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

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SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	**DRAINAGE AREA DESCRIPTION** EXAMPLE: Discharge from material storage Area #2	**DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS** Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	**IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS** EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	**DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION**
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				

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ANNUAL REPORT

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: March ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: April ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: May ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

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ANNUAL REPORT

SIDE B

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				
_____ _____ ☐ AM ☐ PM				

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ANNUAL REPORT

SIDE A

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: ____________ **INSPECTOR NAME:** ____________________ **TITLE:** ____________________ **SIGNATURE:** ____________________

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**

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ANNUAL REPORT

SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: ____________ **INSPECTOR NAME:** ______________________ **TITLE:** ______________________ **SIGNATURE:** ______________________

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ☐ **YES** ☐ **NO** **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ **YES** ☐ **NO**	If yes, to either question, complete the next two columns of this form	**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**

Appendix D
Example of Visual Observation Forms

QUARTERLY DRY (NON-STORMWATER) VISUAL OBSERVATION FORM

Facility Address: Anaheim Truck Depot and O&M Facility
1231-1235 North Blue Gum Street
Anaheim, CA, 92806

Observer Name(s):_____ **Title:**_____

Date:_____/_____/_____ **Time:**_____AM/PM
Complete by Sep. 30th, Dec. 31st, Mar. 31st, and Jun. 30th

Monitoring Locations: Monitoring Point 2 (Blue Gum Street)

1. Is there non-storm water discharge at MP-2? YES / NO (circle one)

2. If "yes", describe the location(s), the source of the discharge, and if it is authorized.

_____

_____

Authorized non-stormwater discharges include fire hydrant flushing, potable water discharge from the operation, maintenance or testing of potable water sources, drinking fountains, irrigation drainage, landscape watering, and atmospheric condensates from refrigeration, air conditioning, and compressors.

3. If there is discharge, please describe it using the following characteristics:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

Identify & describe the source(s) of pollutants:_____

4. Describe any abnormal conditions at the discharge point such as stains, residue, oil, silt, sludge, or dead/dying vegetation:

_____

_____

5. Describe any corrective measures that are to be taken as a result of these observations:

_____

_____

6. Are new or revised Best Management Practices (BMPs) required (Include date of implementation)?_____

7. Inspector discussed BMPs and storm water management with employees? YES / NO (circle one)

MONTHLY WET SEASON
VISUAL OBSERVATION FORM

Facility Address: Anaheim Truck Depot and O&M Facility
1231-1235 North Blue Gum Street
Anaheim, CA, 92806

Observer Name(s):_____ **Title:**_____

1. **Was there storm water discharge during regular facility operating hours this month?** Yes / No
   If there was no storm water discharge during business hours this month, then you are done with this form.

Date: _____/_____/_____*This form must by completed by the end of Oct, Nov, Dec, Jan, Feb, Mar, Apr, & May*

2. **Monitoring Location Monitoring Point 2** (Blue Gum Street)

Observation Time:_____AM/PM **Est. Time Storm Water Discharge Began:**_____AM/PM

If there was storm water discharge at MP-2, please describe it:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

Identify & describe the source(s) of pollutants:_____

3. **Describe any corrective measures that are to be taken as a result of these observations:**

_____

_____

4. **Are new or revised Best Management Practices (BMPs) required?** Yes / No **If yes, describe:**

_____**Date of Implementation:**_____

5. **Were storm water samples collected and submitted to a laboratory for analysis?** Yes / No

6. **Field measured pH (if applicable):**_____**(use a meter calibrated for pH 4, 7, & 10)**

7. **Inspector discussed BMPs and storm water management with employees? YES / NO (circle one)**

Storm water observations should be done in daylight during scheduled facility operating hours, within the first hour of discharge, on a day preceded by at least 3 "working" days without stormwater discharge, whenever possible

STORM CHAMBER
VISUAL OBSERVATION FORM

Facility Address: Anaheim Truck Depot and O&M Facility
1231-1235 North Blue Gum Street
Anaheim, CA, 92806

Observer Name(s):_____ **Title:**_____

1. Date: _____/_____/_____*This form must be completed during every rain event that produces greater than 0.10 inch of rain and occurs during scheduled facility operating hours Monday through Friday.*

2. Estimated Rainfall Amount:_____**inches**

3. StormChamber® overflow is expected? Yes / No (circle one)

4. StormChamber® 1 and overflow monitoring location MP-1 (North side of site)

Observation Time:_____AM/PM **Is storm water discharge observed: Yes / No** (circle one)

Estimated Time Storm Water Discharge/Overflow Began:_____AM/PM

Are pre-filter BMPs (fiber rolls, rock basket, & chevrons) in good condition? Yes / No (circle one)

When were BMPs last cleaned and/or replaced? _____

If there is storm water discharge/overflow at MP-1/Area 1, please describe it:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

Identify & describe the source(s) of pollutants:_____

Describe any corrective measures that are to be taken as a result of these observations:

_____

5. StormChamber® 3 and overflow monitoring location (North of Coronado Street)

Observation Time:_____AM/PM **Is storm water discharge observed: Yes / No** (circle one)

Estimated Time Storm Water Discharge/Overflow Began:_____AM/PM

Are pre-filter BMPs (fiber rolls, rock basket, & chevrons) in good condition? Yes / No (circle one)

When were BMPs last cleaned and/or replaced? _____

STORM CHAMBER
VISUAL OBSERVATION FORM (Page 2)

When was the SedimenTrap™ last cleaned out? _____

Does the StormChamber® 3 appear to be functioning correctly? Yes / No (circle one)

If there was storm water discharge/overflow at Area 3, please describe it:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

Identify & describe the source(s) of pollutants:_____

Describe any corrective measures that are to be taken as a result of these observations:

_____

6. StormChamber® 4 and overflow monitoring location (South of Bin Storage Building)

Observation Time:_____AM/PM **Is storm water discharge observed: Yes / No** (circle one)

Estimated Time Storm Water Discharge/Overflow Began:_____AM/PM

Are pre-filter BMPs (fiber rolls, rock basket, & chevrons) in good condition? Yes / No (circle one)

When were BMPs last cleaned and/or replaced? _____

When was the SedimenTrap™ last cleaned out? _____

Does the StormChamber® 4 appear to be functioning correctly? Yes / No (circle one)

If there was storm water discharge/overflow at Area 4, please describe it:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

STORM CHAMBER
VISUAL OBSERVATION FORM (Page 3)

Identify & describe the source(s) of pollutants:_____

Describe any corrective measures that are to be taken as a result of these observations:

_____

7. StormChamber® 5 and overflow monitoring location (Southwest corner of site)

Observation Time:_____AM/PM **Is storm water discharge observed: Yes / No** (circle one)

Estimated Time Storm Water Discharge/Overflow Began:_____AM/PM

Are pre-filter BMPs (fiber rolls, rock basket, & chevrons) in good condition? Yes / No (circle one)

When were BMPs last cleaned and/or replaced? _____

If there is storm water discharge/overflow at Area 5, please describe it:

Any turbidity (clear, cloudy, or murky)?_____

Any unusual color or oily sheen?_____

Any unpleasant odor?_____

Any floating debris (grass, trash, oil, etc.)?_____

Identify & describe the source(s) of pollutants:_____

Describe any corrective measures that are to be taken as a result of these observations:

_____

8. Are new or revised Best Management Practices (BMPs) required? Yes / No **If yes, describe:**

_____

_____

9. Date of Implementation of new BMPs:_____

10. Were storm water samples collected and submitted to a laboratory for analysis? Yes / No

LITTER CONTROL LOG

Daily record keeping of housekeeping activities at ATD and O&M

Focus on litter and paper debris along yard and perimeter of 1231 & 1245 Blue Gum Street

Requirements: PPE (Boots, Safety Vest lvl 3, Safety Glasses, Gloves) worn at all times.

Date:						
	Mon	Tues	Wed	Thurs	Fri	Comments
1 - Front of 1231 Blue Gum Street						
Clean Curbside						
Pick up litter from grass/shrubs						
Pick up debris in Parking Lot						
Sweep parking lot						
2 - O & M yard at 1245 Blue Gum St						
Clean Front Curbside						
Pick up litter from grass/shrubs						
Pick up debris in Parking Lot						
Pick up debris along fencing						

TARP APPLICATION & INSPECTION LOG

Tarps/sheeting must be firmly held in place with sandbags/weights or tarp hold-down systems. If applicable, seams should be taped or weighted down their entire length, with a 12 to 24 inch overlap to prevent gaps. Tarps may be joined using Grip Clips or other fastening devices. All sheeting must be inspected periodically after installation and after heavy storms or wind. Any failures must be corrected immediately and torn tarps replaced. The failures and corrections such as re-securing tarps or tarp replacements, should be described.

Inspectors Name(s):_____ **Title:**_____

Rain Start Date: _____ **Approximate Rain Start Time:**_____

Storm End Date:_____ **Date Tarps were removed:**_____

TARP INSPECTION LOG – (The first line is for the initial tarp application, put subsequent inspections on the following lines)

DATE	TIME	Material(s) Covered	Tarp Securing Method	Describe any failures and corrections

Additional Comments:

Appendix E
Example of Chain of Custody Form

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: _____

PAGE: _____ OF _____

LABORATORY CLIENT: Republic Waste Services of Southern CA, LLC - ATD/O&M

ADDRESS: 1235 N. Blue Gum Street

CITY: Anaheim STATE: CA ZIP: 92806

TEL: 714-238-3316 E-MAIL: dcapener@republicservices.com

CLIENT PROJECT NAME / NUMBER: Anaheim Truck Depot/O&M Storm Water

P.O. NO.:

PROJECT CONTACT: Dan Capener

SAMPLER(S): (PRINT) Gregorio Urueta

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Enterococci	Oil & Grease	TSS	EC / pH	Fecal Coliform
	Monitoring Point 1 (Blue Gum St.)			w	5	2	3	0														x	x	x	x	x

Example

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Exhibit D

DRAFT STORM WATER POLLUTION PREVENTION & MONITORING PLAN

Inland Regional Material Recovery Facility (IRMRF)

Material Recovery Facility and Transfer Station
2059 Steel Road
Colton, CA, 92324
WDID No. 8 36S017024

Prepared for:

Republic Waste Services of Southern California, L.L.C.
1131 N. Blue Gum
Anaheim, CA 92806

Prepared by:

environ strategy consultants, inc.

1036 W. Taft Avenue, Suite 200
Orange, CA 92865

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 ensure that qualified personnel properly gather and evaluate the information submitted. Based upon 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.

_____
General Manager
Republic Waste Services of Southern California, L.L.C.

Revision Date: September 27, 2013

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SECTION A. STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS

A.1 BACKGROUND

This storm water pollution prevention plan (SWPPP) has been created by Environ Strategy Consultants, Inc. (Environ Strategy) for Inland Regional Material Recovery Facility (IRMRF) owned and operated by Republic Waste Services of Southern California, L.L.C. (Republic). The contents of this SWPPP are consistent with the guidelines of the California State Water Resources Control Board (SWRCB) and include facility runoff locations and descriptions, narratives of both facility processes and storm water prevention techniques, and a monitoring program with reporting requirements. The objectives of this SWPPP are: (1) to identify and evaluate sources of pollutants associated with industrial activities that may affect the quality of storm water discharges and authorized non-storm water discharges from the site; and (2) to identify and implement site-specific Best Management Practices (BMPs) to reduce or prevent pollutants associated with industrial activities in storm water discharges and authorized non-storm water discharges. The results of this SWPPP are based upon a facility audit and documentation provided by Environ Strategy. IRMRF is fully aware of the significance of pollution on the immediate and larger environment and is adamant about maintaining and exceeding regulatory compliance.

A.1.1 Regulatory Background

Storm water at IRMRF is managed in accordance with appropriate federal and state regulations including the Environmental Protection Agency, National Pollutant Discharge Elimination System (NPDES) requirements. In response to federal regulations promulgated in 1972 by the Water Pollution Control Act (also known as Clean Water Act or CWA), as amended in 1989 and codified as final regulations in 1990 in Title 40 of the Code of Federal Regulations, Part 122 (40 CFR 122), SWRCB elected to issue a statewide General Permit that would apply to all discharges covered under the new regulations, except municipal storm drain systems and storm water discharges from construction activities covered under separate statewide permits. The General Permit was initially issued in November 1991 under Water Quality Order No. 91-13-DWQ. The monitoring requirements of the General Permit were amended in September 1992 by Order No. 92-12-DWQ.

SWRCB issued a revised General Permit under Order No. 97-03-DWQ in April 1997 (revised General Permit) to replace the existing General Permit issued under Order No. 91-13-DWQ (as amended by Order No. 92-12-DWQ). This revised General Permit was issued to amend some of the provisions of the expired permit in accordance with federal regulations. The revised General Permit is described in the following section.

The revised General Permit issued under SWRCB Order No. 97-03-DWQ had waste discharge requirements (WDRs) for discharges of storm water associated with industrial activities.

Industrial sites covered under the former and revised permits must comply with the following requirements:

- Submit an abbreviated Notice of Intent (NOI) form.
- Prepare a revised SWPPP to comply with the appropriate requirements of the revised General Permit.
- Develop and implement a revised storm water monitoring program.
- Report storm water testing results and perform a comprehensive site compliance evaluation annually.

A copy of the revised General Permit for Order No. 97-03-DWQ is enclosed in **Appendix A**.

IRMRF originally applied for the Regional Water Quality Control Board General Storm Water Permit on March 2, 1992. A copy of the NOI is included in **Appendix B**.

A.1.2 Site Information

This facility provides commercial and residential solid waste pick up within Anaheim and outlying areas. IRMRF provides a valuable service to the surrounding community through waste and recyclable material pickup, processing, and handling (see **Figure 1**). The facility is a wholly-owned subsidiary of Republic.

Name/Address:	Republic Waste Services of Southern California, L.L.C. Inland Regional Material Recovery Facility 2059 Steel Road Colton, CA 92324
Site Contact:	Andre Griggs, General Manager (Telephone 909-370-3377)
Facility SIC Codes:	4953 (Transfer Station)
WDID Number:	8 36I017024

A.2 OBJECTIVES

The objectives of this SWPPP are: (1) to identify and evaluate sources of pollutants associated with industrial activities that may affect the quality of storm water discharges and authorized non-storm water discharges from the site; and (2) to identify and implement site-specific best management practices (BMPs) to reduce or prevent pollutants associated with industrial activities in storm water discharges and authorized non-storm water discharges. The results of this SWPPP are based upon a facility audit and documentation provided to Environ Strategy. IRMRF is fully aware of the significance of pollution on the immediate and larger environment and is adamant about maintaining and exceeding regulatory compliance.

A.3 FACILITY ORGANIZATION & DESCRIPTION

This site houses the San Bernardino County operations of Republic and is an integrated solid waste management company. The IRMRF was developed to sort and recover recyclable materials from the solid waste streams of the City of Colton and surrounding areas. Unrecoverable solid waste is transferred to local landfill, or to another Republic site for further processing. The site also serves as a maintenance facility for collection vehicles used in Republic's San Bernardino County collection operations. Site support facilities include a vehicle maintenance area, employee break area / restrooms and administrative office buildings. The site map presented in **Figure 2** depicts the current general configuration of the site, the location of key site elements, and a general description of drainage flow on the property.

This site is approximately 6.14 acres in size. Approximately 85% of the site is surfaced in impervious materials. Structures account for approximately 12% of the site while 73% is comprised of paved areas. The remaining 15% pervious surface consists of landscaped areas, and some parking areas (compacted soil covered with bark or rock.)

The site drains in general from the northeast to the south and southwest directions. Surface drainage is collected in swales along the north, west and south boundaries of the property, and is conveyed to Steel Road via concrete ribbon gutters and the driveway.

Site operations include the maintenance of solid waste collection vehicles, employee parking areas and activities associated with the recovery of recyclable materials and transfer of solid waste. With the exception of public disposal and green-waste, all solid waste sorting, recovery and transfer operations are assigned to a covered, enclosed area known as the MRF (Material Recovery Facility) building. Public Disposal and green/wood waste operations occur in areas adjacent to the MRF building. Maintenance of collection vehicles occurs on a partially covered, paved and bermed area located near the north/ central portion of the site.

For simplicity and identification purposes, this SWPPP dissects the facility into three (3) sections. General drainage areas and activities within each section are as follows:

Section 1- includes the north and western portions of IRMRF containing the MRF, Maintenance Building, green and wood waste staging areas, fuel station, the household hazardous waste storage sea container, and asphalt/concrete-paved lots used for employee parking.

Section 2- includes the office trailers, the truck wash area, scale, and part of the paved employee parking area.

Section 3- includes the unpaved east portion of the site used for bin, container, and equipment storage.

A.3.a Pollution Prevention Team

The members of the IRMRF Pollution Prevention Team (PPT) are listed in **Table 1**. The PPT has the authority and responsibility for coordinating and implementing the SWPPP. The PPT includes personnel knowledgeable in spill control, health and safety, materials management, and waste management. The General Manager of the facility oversees the SWPPP and delegates responsibility to site staff to act as the PPT. The ongoing training and implementation of this SWPPP and monitoring program is the responsibility of the General Manager, who may be supported in these responsibilities by Republic's Maintenance Managers, Operations Managers, and/or Environmental Managers.

A.4 STORM WATER DRAINAGE PATTERNS AND SAMPLING LOCATIONS

There are storm water swales along the north, west and south boundaries of the site which direct flow to the south and southwest and concrete ribbon gutters convey the water towards Steel Road (**Figure 2**). The majority of Section 1 runoff flows to the southwest corner of the site where it passes through a storm water settling clarifier before discharging onto Steel Road via a drain. The majority of Section 2 runoff flows via gravity flow to the south and discharges onto Steel Road via an under-sidewalk drain behind the office trailer. Section 3 rarely has runoff, but in the event of heavy precipitation the runoff may flow into Section 2 from Section 3. Section 3 is graded and surrounded by walls to prevent any site runoff from migrating directly offsite. There are storm drains located on Steel Road that are not the responsibility of IRMRF.

For the purposes of this Plan, IRMRF has identified two (2) representative storm water discharge locations that have been selected for monitoring as illustrated on **Figure 2**. The monitoring points are: MP-1 at the southwest corner of the site near the storm water settling clarifier; and MP-2 from the under-sidewalk culvert behind the office trailer that discharges to Steel Road (east end of the site). These sampling locations will be modified slightly once the proposed bioretention area located upstream of MP-1 and the proposed StormChamber® located upstream of MP-2 are installed (**Figure 3A**). The proposed bioretention and StormChamber® are designed to capture runoff from an 85th percentile storm. Therefore, a storm event greater than the 85th percentile may be required to produce enough storm water discharge to enable sample collection. The StormChamber® and bioretention areas will be inspected during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, during scheduled facility operating hours. These inspections will be documented on the *Bioretention and StormChamber Visual Observation Form* enclosed in Appendix D. Overflow will be sampled if it occurs, and photographs taken. If the overflow is due to a storm event greater than the 85th percentile, the sampling will be for informational purposes only.

The drainage from the IRMRF ultimately flows southwest towards the Santa Ana River (receiving waters), which are located approximately one (1) mile from the site.

A.4.1 Drainage Estimate

An estimate of drainage to specific sampling points, in relation to facility square footage is presented in the following table. **Figure 2** illustrates the described areas and monitoring points.

Sample Area	Runoff Source Area	% of Total Facility	(Approx. Sq. Feet)
Section 1 MP-1	MRF, Maintenance building, fuel AST, green/wood waste and recyclables areas, and hazardous waste sea containers	81%	211,950
Section 2 MP-2	Office trailers, scale, truck/equipment wash area, and a portion of the employee parking area	7%	18,440
Section 3	Unpaved east lot used for bin, container, & equipment storage. Does not discharge offsite.	12%	31,430

A.5 LIST OF SIGNIFICANT MATERIALS

Raw materials reported to the local Hazardous Material Business Plan program, and used either currently or within the last two to three years by IRMRF are listed in **Table 2**. A complete listing of raw materials is also contained in the IRMRF Hazard Communication Material Safety Data Sheet (MSDS) binder. See **Figure 2** for the approximate locations of material storage areas.

A.6 POTENTIAL POLLUTANT SOURCES

This section identifies the process and material handling areas and lists the significant materials that are handled and stored in each area at the IRMRF. There is no run-on at the entrance or exit of this site due to site topography. Run-on from CalTrans property (along the north perimeter) will be prevented by adding additional layers of block to the existing CMU wall at the property boundary and/or asphalt curbing along the chain-link fence by December 31, 2013. Silt fencing will be used to prevent dust from being carried onto the site. A berm will be constructed to prevent sediment transfer from the unpaved lot by December 31, 2013.

A.6.a.i Industrial Processes

Process areas identified as potential source contributors to pollutants in storm water runoff include: the MRF; green/wood waste and recyclable materials staging areas; maintenance area; the refueling area; household hazardous waste storage container; truck/equipment wash area; vehicle parking areas; and other paved and unpaved areas used for equipment parking and storage. Pollutants inadvertently coming in contact with rainwater may increase levels of oil and grease (O&G), total suspended solids (TSS), metals, and chemical oxygen demand (COD). The potential pollutants in these areas are discussed for each area described below.

Maintenance Building and Work Area:

The maintenance building is where most of the chemicals that are used at the IRMRF are stored. Chemicals are ordered on an as needed basis so there is no build-up of materials in stock. All chemicals are stored in appropriate cabinets and/or containment devices. Any materials spilled are immediately treated with absorbent materials and cleaned up to avoid tracking off site. There is no history of any releases of chemical from this location on the site.

Material Recovery Facility – Solid Waste Processing Building:

The majority of unloading, processing, and loading of municipal solid waste is performed within the MRF. These wastes are non-chemical in nature but equipment performing operations may result in minor dripping of oil or other equipment components (i.e. metals). Incoming waste may also contain household hazardous waste which is identified and removed from the area by trained employees. The roof drains of this building will be redirected to discharge on the south side of the building to avoid contact with potential pollutants.

Outside Waste Staging Areas:

The outside waste staging area consists of paved areas in the vicinity of the MRF building where green and wood waste is processed and temporarily stored against K-rails. Baled recyclable materials are also temporarily stored on the north side of the MRF building and loaded in sea containers for transport off-site as soon as economically feasible.

Equipment and Bins Parking and Storage Areas:

Heavy off-road equipment used for loading and unloading activities, containers and/or bins are stored on paved lots and also the unpaved east side of the site. The equipment, bins and containers may result in minor dripping of oil, other equipment components (i.e. metals), and waste residues. These areas are inspected regularly for drips, which are cleaned up by onsite maintenance staff if found. Containers and bins are inspected for leaks and the contents are checked to make sure that they are not creating a hazard. The unpaved area will be separated from the paved area by a berm to prevent sediment run-off from the unpaved area by December 31, 2013.

Vehicle Parking Areas:

These areas are located on asphalt or concrete paving and are potential sites for storm water pollution from the vehicle liquids or other leaks. These areas are checked for leaks on a regular basis. Any trucks that are leaking will be repaired and the minor spillage cleaned up immediately.

Diesel Refueling Area:

There is an above ground portable diesel fuel tank/container that is usually parked near the maintenance building. This tank will be staged under cover on the east side of the maintenance building. The fuel dispensing area will be surrounded by berms as discussed in Section A.8.b.

Spillage of fuel can occur if employees are not trained or do not follow the standard operating procedures for the fuel use.

Truck and Equipment Wash Area:

Truck and equipment cleaning is performed in a bermed and paved area equipped with a three stage clarifier. Waste water could leave the area if employees are not trained or do not follow the standard operating procedures. This area will be covered by a metal canopy by February 1, 2014, subject to receiving the necessary permits from the city of Colton.

A.6.a.ii Material Handling and Storage Areas

The significant materials and their storage locations at the site are listed in **Table 2** - *List of Significant Materials at IRMRF*. Municipal solid waste and recyclable materials are mainly handled in the MRF. Bales of recyclable materials are stored on the north side of the MRF. Green and wood waste and construction and demolition debris are handled west of the MRF. Public dumping and temporary staging of other miscellaneous (non-hazardous) wastes are handled east of the MRF. E-waste is stored in bins located northeast of the MRF. Small amounts of household hazardous waste found in the municipal solid waste are temporarily stored on spill containment pallets within a secure sea-container located northeast of the Maintenance Building. Lubricating and other maintenance fluids are stored on spill containment pallets in a sea-container adjacent to the Maintenance Building. Hazardous wastes generated by servicing and maintenance of heavy equipment are limited to waste motor oil, gear oil, hydraulic oil, brake fluid, waste antifreeze, used oil filters, batteries, soiled rags, and absorbent materials. These wastes are accumulated in appropriately labeled containers having secondary containment. All hazardous wastes at the site are transported off site under manifest for recycling and/or disposal by qualified hazardous waste subcontractors that are certified to handle the waste.

A.6.a.iii Dust and Particulate Generating Activities

The unloading, sorting, loading and other processing and transfer activities of MSW, green waste, and recyclable materials can generate dust and particulates. Much of the dust and particulates are contained within the MRF Building, where they may collect along walls or in corners. To prevent airborne dust and particulates, a misting system operates within the MRF and the loading pit. These misters operate during active site hours.

A.6.a.iv Significant Spills and Leaks

There have been no identified, significant spills from the facility for materials listed in 40 CFR Part 372, extremely hazardous materials, or other on-site raw materials onto the facility grounds at IRMRF.

A.6.a.v Non-Storm Water Discharges

The IRMRF has installed engineering controls to prevent any non-storm water discharges (irrigation water, air conditioner and misting system runoff, etc.) from leaving the site. These are discussed later in Section A.8 – Storm Water Best Management Practices. Domestic wastewater

is piped directly to municipal sanitary sewer lines. Republic does not anticipate non-storm water discharges from the site. Spill kits and spill response procedures are in place to ensure that no unauthorized non-storm water discharge will reach any infiltration areas.

A.6.a.vi Soil Erosion

Only 15% of the IRMRF has permeable surfaces with the potential to erode during heavy rain events. These consist of landscaped areas along Steel Road, which have established plants and grass to prevent erosion, and the unpaved lot at the east end of the site. Gravel is placed on the unpaved east lot, which is used for equipment and bin staging. A berm will be constructed along the east edge of the unpaved lot (Area 3) to prevent soil erosion and runoff by December 31, 2013.

A.6.b Potential Pollution Sources and Corresponding BMPs

The IRMRF has identified potential areas of impact to storm water runoff and has implemented the best management practices listed in **Table 3** – *Assessment of Potential Pollutant Sources and Corresponding Best Management Practices*. The non-structural and structural BMPs are also discussed in more detail in the following sections.

A.7 ASSESSMENT OF POTENTIAL POLLUTANT SOURCES

Certain materials used or stored at the IRMRF contain potential pollutants. The following table lists the pollutants that have been identified as having a reasonable potential to be present in storm water discharge.

Potential Pollutant	Source	Location
Ammonia (as N)	Solid waste and green waste	MRF and greenwaste processing areas
Chemical Oxygen Demand (COD)	Organic material from solid waste and green waste	MRF and greenwaste processing areas
Cyanide	Household hazardous waste	Hazardous Waste Storage container
Oil &Grease	Fuels, hydraulic fluid, & lubricants	Maintenance Area, diesel AST, and vehicle traffic areas
Total Suspended Solids (TSS)	Dirt and dust	Unpaved areas, truck traffic areas, waste transfer areas
Metals	Recyclable materials, C&D, solid waste, metal roofs, and equipment, bins, & trucks	MRF, metal staging areas, and bin storage areas

A.8 STORM WATER BEST MANAGEMENT PRACTICES

Table 3 contains an assessment of potential pollutant sources and the corresponding best management practices utilized at the IRMRF. The BMPs are also separated in to non-structural and structural categories and described below.

A.8.a Storm Water Best Management Practices – Non-Structural

IRMRF has developed the following storm water management controls based upon the requirements of the revised General Permit, facility process knowledge, and observed runoff gradients. These storm water controls utilize existing personnel and established preventive maintenance routines, including spill prevention and spill response techniques.

A.8.a.i Good Housekeeping

The following procedures are routinely employed to maintain IRMRF as a clean and orderly facility:

- A regenerative street sweeper operates on-site and along the access road adjacent to the facility.
- The entrance area is inspected and swept to prevent track-out.
- The proposed track-out grid and cattle grid at the exit driveway will be cleaned regularly.
- Hydrocarbon spots left by company/personnel vehicles are removed on a regular basis using absorbent and/or a water-based, biodegradable solvent.
- Parking lots are kept clean and clear of debris using dry sweeping methods or the street sweepers.
- Process drains, clarifiers, and cleanouts are inspected and periodically cleaned as necessary to avoid excess pooling of industrial water and/or rainwater.
- Rainwater drainage trenches, gutters, and downspouts are periodically cleaned to remove excessive debris, vegetation, and silt so that storm flow is not obstructed.
- Access roads and perimeter fences/walls are inspected frequently, and refuse is picked up and disposed of properly.
- All objects with raw material or finished product residues are kept covered and indoors, and are periodically wiped clean.
- Vehicle and equipment washing is performed in a bermed area equipped with a 3-stage clarifier which treats waste water and discharges it to a sanitary sewer.
- Absorbent material and pans are used to contain leaks, spills, or small discharges.

- Hazardous wastes that are generated at IRMRF are kept in clearly labeled and dated containers awaiting transport off-site in accordance with applicable handling regulations.
- Dedicated litter collection personnel inspect the facility daily and pick up any litter found.
- Litter collection, tarp application and inspections, and BMP inspections and maintenance will be logged with the inspection forms enclosed in **Appendix D**.

A.8.a.ii Preventive Maintenance

The following preventative maintenance procedures are routinely practiced at IRMRF:

- Site vehicles and equipment receive regular maintenance in accordance with manufacturers' recommendations to prevent leaks.
- Absorbent material is readily available in areas where leaks may routinely occur (i.e. refueling, parking, and maintenance areas).
- Only trained site employees are allowed to fuel facility vehicles and equipment within designated areas. They are instructed to report leaking fuel dispensers immediately to the shop manager.
- Individuals fueling vehicles are instructed not to "top off" or overfill fuel tanks.
- The bioretention and StormChamber® areas will be inspected and cleaned before and during the rainy season as necessary, which will be documented on the forms enclosed in **Appendix D**.
- A continuous monitoring rain gauge for monitoring rainfall in inches, will be installed by December 31, 2013. It will be maintained in accordance with the manufacturer's recommendations and any maintenance on it will be documented.
- Vehicle and equipment maintenance is performed in designated area on impermeable surfaces.

A.8.a.iii Spill Response

Spills of hazardous materials greater than 55 gallons will be handled appropriately. If required, a HAZMAT contractor will be contracted. In the event of a significant spill the appropriate supervisor or manager will be immediately notified and the following activities will be conducted:

1. Identify product and secure the area (if necessary).
2. Obtain personal protective equipment and maintain safety of employees.
3. Contain spilled material with portable dikes, absorbent socks, and/or other absorbent materials.

4. Cover floor and storm drains.
5. Remove soiled absorbent, clean up material, and package it for disposal in accordance with environmental regulations.
6. Clean area to the approval of the appropriate manager.
7. Log the time, place, volume, reason for, and type of spill release (raw material usage, vehicle and tank fueling, or other vehicle fluids) in an incident report.
8. Replace or clean any spill control equipment so that it will be ready for the next event.
9. The incident shall be reported to the General Manager and/or Site Manager. The appropriate manager(s) shall determine the need for reporting to local enforcement agencies in accordance with federal, state, and local regulatory requirements.

A.8.a.iv Material Handling and Storage Including Waste Handling/Recycling

The following material handling and storage procedures are employed at IRMRF to minimize spills and prevent exposure of storm water to pollutants:

- Heavy materials are loaded and unloaded by a trained forklift operator.

- During unloading, the responsible employee accepting the delivery inspects for spills, leaks, and debris before the delivery vehicle leaves. Minor spills are cleaned up promptly.

- Waste products from vehicle/equipment maintenance such as motor oil, antifreeze, brake fluid, hydraulic fluid, gear oil, and batteries are collected, temporarily stored in appropriate labeled containers, and disposed/recycled under manifest by a qualified subcontractor.

- Drip pans are emptied into the used oil tank.

- Dry shop waste (rags, absorbent materials, etc.) is stored in a covered container located under cover.

- Used oil filters are drained and then recycled by an approved vendor. Used oily parts are cleaned prior to disposal or recycling.

- All containers storing significant materials are kept closed except when adding or removing material.

- Solvents and other liquids are stored neatly away from major travel routes and operational areas in labeled, sealed containers on impermeable surfaces with secondary containment;

A.8.a.v Employee Training

Responsibilities of the IRMRF Manager include implementation of annual training schedules for employees handling hazardous materials and having spill prevention/response responsibilities through the Hazard Communication Training Program. This program includes training designated employees in implementing facility controls, spill response, good housekeeping,

appropriate hazardous material handling and storage, and other required training. Drivers/operators receive additional training in proper fueling, fuel station inspections, and spill prevention procedures.

In addition to emergency response procedures identified in the Emergency Response Plan, IRMRF has designated key employees to perform storm water management roles. These employees are trained to identify conditions at the various work areas at the site that may potentially cause pollution of storm water. Each new employee whose work in the course of their job might impact storm water, shall complete the Republic SWPPP and Spill Prevention Control and Countermeasures (SPCC) Training Program. The training is designed to maintain employee awareness regarding storm water pollution prevention practices. The SWPPP training will include identifying and preventing non-storm water discharges, BMP implementation, inspections & maintenance, tarp applications and inspections, proper storm water sampling protocol, and maintaining rain gauge records.

A.8.a.vi Recordkeeping and Internal Reporting

The IRMRF will keep all storm water and non-storm water discharge observation forms, chain of custody, analytical data, and records documenting employee training, litter collection, tarp application and inspections, photographs of infiltration areas during rain events, and storm water BMP inspections and maintenance readily available on site. All elements of SWPPP observations will be retained as part of the plan. The time, place, volume, reason for, and type of release (raw material usage, vehicle and tank fueling, or other vehicle fluids) for any spills will be recorded on an incident report. All compliance reporting will be carried out in accordance with federal, state, and local regulations.

A.8.a.vii Erosion Control and Site Stabilization

Impermeable surfaces at IRMRF are maintained with landscape vegetation or gravel to prevent erosion. A berm will be constructed along the east edge of the unpaved lot (Area 3) to prevent soil erosion and runoff by December 31, 2013. Runoff from air conditioners, refrigeration units, or other similar equipment is collected and discharged within the landscaped areas as much as possible. Landscaped areas are irrigated at intervals consistent with County or City Water Conservation Resolutions. Excess runoff from hoses, irrigation lines, air conditioners, or other domestic water sources are directed away from site areas where pollutants are likely to accumulate. The planned storm water infiltration areas will help prevent any soil erosion from discharging offsite. During the storm season sandbags, silt screens, straw bales and/or other additional sediment control devices may be utilized.

A.8.a.viii Inspections

Monthly, quarterly, and annual SWPPP inspections are conducted in accordance with the General Permit requirements. These inspections are described in Section A9 and Section B.

Designated IRMRF employees perform routine site inspection duties. Inspecting employees may recommend any additional spill prevention controls. Vehicles and equipment are regularly inspected to check for leaks. Vehicle parking and transit areas are inspected regularly for drips,

debris, etc. A designated litter control person will inspect the perimeter of the facility daily and pick up litter, which will be recorded on the *Litter Control Log* in **Appendix D**. The proposed StormChamber® and bioretention areas and their pretreatment BMPs will be monitored during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, during routine scheduled facility operating hours. These inspections and any maintenance performed will be documented on the forms enclosed in **Appendix D**. Photographs with a time & date stamp will also be taken of the StormChamber® and bioretention areas during the observed rain events. If tarps are used to cover exposed materials during rain events, the tarp application and subsequent inspections will be recorded on the *Tarp Application and Inspection Log* in **Appendix D**.

A.8.a.ix Metal Roof Sampling

During the first hour of the second and third qualifying storm water discharges of the 2013-2014 season (a qualifying storm water discharge is one that occurs during scheduled facility operating hours on a day preceded by at least three (3) working days without storm water discharge), two (2) samples will be collected from the roof of the Material Recovery Facility (4 samples total).

The MRF is the only building with a metal roof. The samples will be analyzed for Aluminum, Copper, Iron, Lead, and Zinc to determine the need for roof coating. Two (2) rounds of sampling will be conducted. If both rounds of sampling produce samples that do not exceed benchmarks, the metal roof will not require coating. If the samples exceed the following USEPA Storm Water Benchmarks, the metal roof will be coated within 60 days of receiving the second round of laboratory results.

Parameter	Units	Federal Benchmark Value
Aluminum	mg/L	<0.75
Copper	mg/L	<0.0636
Iron	mg/L	<1
Lead	mg/L	<0.0816
Zinc	mg/L	<0.117

A.8.a.x Quality Assurance

The ongoing training and implementation of this SWPPP program is the responsibility of the General Manager, who is supported in these responsibilities by the PPT. The General Manager may designate a qualified environmental consultant for review and updating the SWPPP on an "as needed" basis.

IRMRF has developed the following storm water management controls based on the requirements of the revised General Permit, facility process knowledge, and observed runoff gradients. These storm water controls utilize existing personnel and established preventive maintenance routines, including spill prevention and spill response techniques.

A.8.b Storm Water Best Management Practices – Structural

IRMRF utilizes structural control measures to minimize rainfall runoff and impact from on-site operations. The structural control measures include overhead coverage, control devices to channel storm water away from pollution sources, secondary containment, and treatment devices. Structural control measures are discussed in the following sections.

A.8.b.i Overhead Coverage

Most maintenance is conducted within the Maintenance Building or underneath the adjacent awning. Maintenance materials are properly stored inside storage structures. Municipal solid waste operations are mostly performed within the MRF. The portable diesel tank will be stored under cover on the east side of the maintenance building. A metal canopy will be constructed over the truck wash area by February 1, 2014, subject to receiving the necessary permits from the city of Colton and fabrication.

A.8.b.ii Control Devices

The buildings have a series of gutters and downspouts to collect storm water runoff and direct it to areas where it will not come into contact with pollutants. Drainage swales run along the north, west, and south side of the IRMRF site and direct storm water west towards the current storm water settling clarifier in for treatment. The storm water settling clarifier (**Figure 2**), will be replaced by a bioretention area (**Figure 3A**).

Run-on and run-off from the site entrance/exit driveway is minimal due to the topography at the entrance. Republic will be installing track-out grids and also a cattle grid with a concrete collection basin beneath it by December 31, 2013. These measures will help prevent track-out on exiting truck tires.

Run-on from the CalTrans property will be prevented by adding additional layers of block to the existing CMU wall at the property boundary and/or asphalt curbing along the chain-link fence by December 31, 2013. Silt fencing will be used to prevent dust from being carried onto the site.

A berm will be constructed by December 31, 2013 along the boundary between Areas 2 and 3 to prevent sediment runoff from the unpaved lot on the east side of the site (**Figure 3A**).

A.8.b.iii Secondary Containment Structures

All hazardous liquids and wastes at the IRMRF are stored within double walled containers or containers that are kept on secondary containment. All maintenance materials are properly stored inside storage structures. The portable diesel dispenser has secondary containment, an automatic shutoff, and other engineered controls to prevent spills. A berm around the diesel fuel dispensing area to prevent spilled fuels from leaving the area will be installed by February 1, 2014, subject to receiving the necessary permits from the City of Colton.

A.8.b.iv Treatment

Currently, a storm water settling clarifier at the southwest corner of the site collects and treats storm water prior to discharge at Monitoring Point MP-1. A three stage clarifier treats waste water from the truck and equipment wash area and discharges it to the sanitary sewer.

A bioretention area will be constructed in the west corner of the site and a StormChamber® will be installed south of the scale to treat storm water by December 31, 2013 (**Figure 3A**). The pretreatment for the bioretention area will consist of concrete chevrons providing energy dissipation, as well as a basket of 4 to 6 inch diameter rocks which will provide energy dissipation and sediment removal. Pretreatment to prevent clogging in the StormChamber® subsurface infiltration device will consist of inlet protection in the form of fiber rolls and drop inlet filters prior to the SedimenTrap™. **Figure 3B** illustrates the preliminary bioretention design and **Figure 3C** illustrates the StormChamber® with SedimenTrap™ design.

The bioretention area and StormChamber® infiltration areas have been designed for the 85th percentile storm, which is 0.89 inches of precipitation in a 24-hour period. These areas will be monitored during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, during routine scheduled facility operating hours. These inspections will be documented using photographs with time/date stamps and the forms in **Appendix D**. Storm water discharge due to overflow from a StormChamber® infiltration area or the bioretention area will be sampled. If a storm event greater than the 85th percentile storm occurs, leading to overflow of the infiltration devices, this overflow will be sampled for informational purposes only.

A.9 ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

The General Manager or their qualified designee shall conduct an Annual Comprehensive Site Compliance Evaluation. These annual compliance evaluations will be conducted at IRMRF to evaluate site compliance with the elements contained in this SWPPP. The annual evaluations will cover annual reporting period from July 1st of each year to June 30th of the following year and will be conducted within 8-16 months of each other.

The following activities will be conducted during each annual evaluation:

- Review of inspection records and storm water sampling data collected during the reporting period.

- Visual inspection of all potential pollutant sources identified at the site for evidence of, or the potential for, pollutants entering storm water discharge.

- Review and evaluation of the non-structural and structural BMPs to determine if they are adequate, properly implemented and maintained, or whether additional BMPs are needed.

- Visual inspection of equipment needed to implement the SWPPP (such as spill response kits) shall be performed.

- Preparation of an annual evaluation report.

The annual evaluation report will be retained on site and submitted to the Regional Water Quality Control Board (RWQCB) with the annual report. The annual evaluation will include the following information:

- Personnel conducting the evaluation.

- Dates of the evaluation.

- A schedule to implement the appropriate SWPPP revisions, if needed.

- Any incidents of non-compliance and corrective actions taken.

- A certification that the facility operator is in compliance with the revised General Permit.

A sample copy of SWRCB Annual Report Forms is enclosed in **Appendix C**.

A.10 SWPPP GENERAL REQUIREMENTS

a. The SWPPP shall be kept on-site and made available upon request of a representative of the Regional Water Board and/or local storm water management agency which receives the storm water discharges.

b. The Regional Water Board and/or local agency may notify the facility operator when the SWPPP does not meet one or more of the minimum requirements of this Section. As requested by the Regional Water Board and/or local agency, the facility operator shall submit an SWPPP revision and implementation schedule that meets the minimum requirements of this section to the Regional Water Board and/or local agency that requested the SWPPP revisions, the facility operator shall provide written certification to the Regional Water Board and/or local agency that the revisions have been implemented.

c. The SWPPP shall be revised, as appropriate, and implemented prior to changes in industrial activities which (i) may significantly increase the quantities of pollutants in storm water discharge, (ii) cause a new area of industrial activity at the facility to be exposed to storm water, or (iii) begin an industrial activity which would introduce a new pollutant source at the facility.

d. Other than as provided in Provisions B.11, B.12, and E.2 of the General Permit, the SWPPP shall be revised and implemented in a timely manner, but in no case more than 90 days after a facility operator determines that the SWPPP is in violation of any requirement(s) of this General Permit.

e. When any part of the SWPPP is infeasible to implement by the deadlines specified in Provision E.2 or Sections A.1, A.9, A.10c, and A.10.d of this General Permit due to proposed significant structural changes, the facility operator shall submit a report to the Regional Water Board prior to the applicable deadline that (i) describes the portion of the SWPPP that is infeasible to implement by the deadline, (ii) provides justification for a time extension, (iii) provides a schedule for completing and implementing that portion of the SWPPP, and (iv) describes the BMPs that will be implemented in the interim period to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. Such reports are subject to Regional Water Board approval and/or modifications. Facility operators shall provide written notification to the Regional Water Board within 14 days after the SWPPP revisions are implemented.

f. The SWPPP shall be provided, upon request, to the Regional Water Board. The SWPPP is considered a report that shall be available to the public by the Regional Water Board under Section 308(b) of the Clean Water Act.

SECTION B. MONITORING PROGRAM AND REPORTING REQUIREMENTS

B.1 SWPPP IMPLEMENTATION SCHEDULE AND RESPONSIBILITY

In order to meet the requirements of this SWPPP for IRMRF, Republic has dedicated significant time and expense. The anticipated result is to minimize the impact of facility processes on natural rainfall runoff.

The General Manager of the facility will oversee the SWPPP program and has delegated responsibility to the PPT for the implementation of the program. The ongoing training and implementation of this SWPPP and its monitoring program is the responsibility of the General Manager, who may be supported in these responsibilities by the PPT or other Republic managers. The General Manager may designate a qualified environmental consultant for the review and updating of the SWPPP on an "as needed" basis.

B.2 OBJECTIVES

The objectives of the monitoring program are to:

- Ensure that storm water discharges are in compliance with the Discharge Prohibitions, Effluent Limitations, and Receiving Water Limitations specified in the General Permit.
- Ensure practices at the facility to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges are evaluated and revised to meet changing conditions
- Aid in the implementation and revision of the SWPPP required by Section A of the General Permit.
- Measure the effectiveness of best management practices (BMPs) to prevent or reduce pollutants in storm water discharges and prevent authorized and unauthorized non-storm water discharges.

VISUAL OBSERVATIONS (INSPECTIONS)

Designated IRMRF personnel will perform visual inspections using the forms enclosed in **Appendix D** of this SWPPP. The forms include quarterly dry (non-storm water) observations and monthly wet season observations of the site discharge locations. Visual observations of the bioretention and StormChamber® areas will also be performed during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge during scheduled facility operating hours. These inspections are described in more detail in the following sections.

B.3 NON-STORM WATER VISUAL OBSERVATIONS

Quarterly a designated IRMRF employee shall visually observe all drainage areas within the facility. Visual observations shall occur in daylight hours during scheduled facility operating hours on days with no storm water discharges. Quarterly observations should be conducted within 6 to 18 weeks of each other during the following periods: January-March, April-June, July-September, and October-December. The IRMRF employee will document the presence of any observed authorized and/or unauthorized non-storm water discharges, discolorations, stains, odors, floating materials, etc. Authorized non-storm water discharges include fire hydrant flushing, potable water discharge from the operation, maintenance or testing of potable water sources, drinking fountains, irrigation drainage, landscape watering, and atmospheric condensates from refrigeration, air conditioning, and compressors. Clean non-storm water discharge is only authorized, if quarterly visual observations are performed. BMPs to reduce contact with significant materials or equipment must also be utilized to prevent significant quantities of pollutants in the discharge.

The proposed storm water infiltration areas should help prevent authorized non-storm water discharges. If non-storm water discharge is observed leaving the site, the source will be identified and additional BMPs used to eliminate the flow of non-storm water discharges. Quarterly observations will include a description of corrective measures taken to eliminate the discharge. Spill kits and spill prevention controls will be used to prevent any unauthorized non-storm water discharge from reaching the infiltration areas. The BMPs may be revised and implemented as necessary.

B.4 STORM WATER DISCHARGE VISUAL OBSERVATION

Monthly during the wet season (October 1 to May 30) a designated IRMRF employee shall visually observe storm water discharges from at least one storm event. These observations will occur during the first hour of discharge at all monitoring locations. Visual observations will be conducted in daylight hours, during scheduled facility operating hours, on a day preceded by at least three “working days” without storm water discharge. The presence of any floating and suspended material, O&G, discolorations, turbidity, odor, source of any pollutants, and any corrective measures taken to prevent pollutants shall be documented on the *Monthly Wet Season Visual Observation Form* enclosed in **Appendix D**. The BMPs shall be revised and implemented as necessary.

The proposed StormChamber® and bioretention areas and their pretreatment BMPs will also be monitored during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, during routine scheduled facility operating hours. These observations will be documented using the *Bioretention and Storm Chamber Visual Observation Form* in **Appendix D** and photographs with time/date stamps.

The rain gauge measurements of the rain amount in 0.01 inch increments will also be recorded on the observation forms.

B.5 SAMPLING AND ANALYSIS

Republic has prepared a site-specific storm water monitoring program for IRMRF which includes the following components: rationale and locations for sampling, analytical methods, QA/QC program, pollutant reduction tracking, and record keeping. The intent of this program is to monitor the facility progress in minimizing discharge of potential facility pollutants, assist in implementing the SWPPP, and measure the effectiveness of existing and proposed BMPs, such as those previously implemented and planned. IRMRF has trained designated employees in proper storm water sampling and sample handling techniques. An off-site California-certified analytical laboratory performs analyses of samples collected by IRMRF personnel.

The proposed StormChamber® and bioretention areas have been designed for the 85th percentile storm, which is 0.89 inches of precipitation in a 24-hour period. Rainfall amounts measured in 0.01 inch increments will be recorded by a continuous recording rain gauge, which will be installed at the site on or before December 31, 2013. If storm water discharge occurs due to overflow from a StormChamber® infiltration area or the bioretention area, it will be sampled and submitted for laboratory analysis. If a storm event greater than the 85th percentile storm occurs, leading to overflow of the infiltration devices, this overflow will be sampled for informational purposes only.

B.5.a Sampling Preparation

IRMRF will be prepared to sample the first rainfall of the "wet" season during scheduled facility operating hours starting in October. Per the revised General Permit, samples will be collected within the first hour of storm water discharge, on a day preceded by at least three "working" days without storm water discharge. Storm water samples will be collected from the designated site monitoring locations in accordance with the General Permit.

B.5.b Sampling Protocol

Samples of storm water discharge will be collected during scheduled facility operating hours on a day preceded by at least three (3) working days without storm water discharge. The bioretention and StormChamber® areas are designed to capture runoff from an 85th percentile storm. Therefore, it is expected that a storm event greater than the 85th percentile will be required to produce storm water discharge offsite. Overflow will be sampled if it occurs. If the overflow is due to a storm event greater than the 85th percentile, the sampling will be for informational purposes only.

B.5.c Sampling Methods and Parameters

Samples will be collected directly in clean laboratory-provided sample bottles, or if necessary in clean unused high density polyethylene quart bottles from water pooled, or flowing into the sample area. This water will then be immediately transferred into the laboratory-provided sample bottles. Bottle size and type and laboratory method may vary slightly depending on the laboratory, but the general sampling parameters are identified in the following table.

Parameters	EPA Method[1]	Sample Bottle
pH	150.1, A4500HB, or grab	500 milliliter HDPE unpreserved
Specific Conductivity (EC)	120.1 or A2510B	500 milliliter HDPE unpreserved
Oil & grease (O&G)[2]	413.2 or 1664A HEM	1 liter amber glass with H_2SO_4
Total Suspended Solids (TSS)	160.2 or 2540D	1 liter HDPE unpreserved
Total Metals	200.7, 200.8, or 6010B	500 milliliter HDPE with HNO_3
Chemical Oxygen Demand (COD)	410.4, 5220B, or 5220D	500 milliliter glass with H_2SO_4
Ammonia (as N)	SM 4500-NH3 B+ C or E	1 liter amber glass with H_2SO_4
Cyanide, Total	3135.2I	1 liter HDPE with NaOH
Mercury (Hg)	245.1	500 milliliter HDPE with HNO_3
Fecal Coliform	SM9221B/E	120 mili-liter HDPE with $Na_2S_2O_3$
Enterococci	SM9230B	120 mili-liter HDPE with $Na_2S_2O_3$

HNO_3 = nitric acid H_2SO_4 = sulfuric acid NaOH = sodium hydroxide HDPE = high density polyethylene
$Na_2S_2O_3$ = sodium thiosulfate

Metals includes: Aluminum (Al), Arsenic (As), Cadmium (Cd), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Selenium (Se), Silver (Ag), and Zinc (Zn)

[1] Or Equivalent Approved Method

[2] O&G can be substituted for total organic carbon (TOC) as allowed in the General Permit.

[3] These are being analyzed in accordance with a Settlement Agreement.

All sampling and sample preservation shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater". All analyses will conducted at a laboratory certified for such analyses by the State Department of Health Services. IRMRF sampling personnel will be familiar with standard sampling procedures.

Records of storm water monitoring information shall include:

1. Date, place, time of site sampling and measurements (including rain amount in inches, site inspections and visual wet weather observations).

2. Name of individual(s) performing sampling and monitoring.

3. Chain of Custody (COC) form and laboratory analytical report.

An example of the required COC form is included in **Appendix E**. All required information will be submitted in an annual report by the required due date of July 1st to the RWQCB.

B.6 SAMPLE STORM WATER DISCHARGE LOCATIONS

B.6.a Representative Drainage Areas

Based on the general site contours and the type of industrial activities at IRMRF, Republic has identified two representative storm water discharge locations for monitoring/sampling, as

illustrated on **Figure 2.** Monitoring point (MP-1) is located at the west corner of the site after a clarifier at an under-sidewalk drain onto Steel Road and monitoring point (MP-2) is located at the under-sidewalk drain from behind the office trailer east of the site entrance that discharges onto Steel Road. These monitoring points may be modified slightly after the construction of the proposed bioretention area and StormChamber® infiltration area, but will remain in the same general locations (**Figure 3A**).

The bioretention and StormChamber® areas and their pre-treatment BMPs will be monitored, during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, during scheduled facility operating hours. This monitoring will be documented by the observation forms in **Appendix D**. Photographs with a time/date stamp will also be taken of the infiltration areas. If discharge or overflow is observed, storm water samples will be collected and submitted for laboratory analysis. If the overflow or discharge is due to a storm event greater than the 85th percentile design storm, then the sampling will be for informational purposes only.

B.6.b Comingled Storm Water

The IRMRF receives minor run-on from the CalTrans property located adjacent to the site along the north and west side. Run-on from CalTrans property will be prevented by adding additional layers of block to the existing CMU wall at the property boundary and/or asphalt curbing along the chain-link fence by December 31, 2013. Run-on and run-off from the entrance does not occur due to the topography at the entrance.

B.6.c Sample Locations That Are Difficult to Observe and Sample

The current sample locations at IRMRF are not difficult to observe or sample.

B.6.d Substantially Identical Drainage Areas

Though not currently applicable, IRMRF will document in the annual report if the industrial activities and BMPs within two or more drainage areas are substantially identical, such that a combined sample or a reduced number of storm water samples are collected.

B.7 VISUAL OBSERVATION AND SAMPLE COLLECTION EXCEPTIONS

B.7.a Exceptions

If IRMRF is not able to conduct required visual observations or collect storm water samples due to dangerous weather conditions, storm water discharge occurring outside of scheduled facility operating hours, or because storm water discharges are not preceded by three working days without discharge, these exceptions shall be explained in the annual report.

B.7.b Non-Qualifying Observation and Sampling Exceptions

IRMRF will attempt to perform visual observations and sample collection within the first hour of storm water discharge from the site drainage locations. However, IRMRF may choose to collect

a storm water sample after the first hour of storm water discharge, if the "wet" season is almost over, and there have been no previous storm events in which storm water could be sampled within the first hour of discharge. If the storm water samples are not collected within the first hour of discharge, an explanation will be included in the annual report.

B.8 ALTERNATIVE MONITORING PROCEDURES

This site does not have any alternative monitoring procedures.

B.9 MONITORING METHODS

B.9.a Rationale for IRMRF Monitoring Program

B.9.a.i Visual Observations

IRMRF will perform monthly visual observations of storm water discharge from October to May during the "wet" season, and quarterly visual observations of site drainage areas to detect the presence of non-storm water discharge from July 1st to June 30th. The two monitoring locations have been selected based upon the topography, site configuration and drainage, storm water infiltration areas, and industrial activities at IRMRF.

The bioretention area and StormChamber® infiltration area (**Figure 3A**) will be observed during rain events that produce greater than 0.10 inch as measured by the onsite continuous recording rain gauge, and occur during scheduled facility operating hours. These observations will be documented using the *Bioretention Area & StormChamber Visual Observation Form* in **Appendix D** and photographs with a time/date stamp.

Authorized non-storm water discharge is not anticipated due to the proposed installation of infiltration areas. Spill kits and spill prevention controls will be used to prevent any unauthorized non-storm water discharge from reaching the infiltration areas. However, in accordance with the General Permit, quarterly visual observations will be performed to detect the presence of authorized and unauthorized non-storm water discharges from July 1st to June 30th. The observations will be performed by a trained, designated employee in the PPT.

B.9.a.ii Sampling Locations

IRMRF personnel will be prepared to sample the first rainfall of the "wet" season starting in October. Per the SWRCB, samples will be collected within the first hour of storm water discharge, on a day preceded by at least three (3) "working" days without storm water discharge. Storm water samples will be collected from sampling locations, which have been selected as the most representative sampling locations for storm water at the site based on storm water conveyance and runoff and the location of industrial activities.

The bioretention and StormChamber® infiltration areas have been designed for the 85th percentile storm, which is 0.89 inches of precipitation in a 24-hour period. If storm water

discharge due to overflow from the bioretention area or from a StormChamber® infiltration area occurs during scheduled facility operating hours, it will be sampled. If a storm event greater than the 85th percentile storm occurs, leading to overflow of the infiltration devices, this overflow will be sampled for informational purposes only.

B.9.a.iii Analytical Methods and Detection Limits

All storm water samples shall be analyzed at a laboratory certified for such analyses in accordance with State Regulations. The analytical methods and method detection limits may vary slightly depending on the laboratory, but the sampling parameters, methods, and method detection limits are presented in the following table.

Parameters	EPA Method[1]	Method Detection Limit
pH	Calibrated portable meter or litmus paper	0.01 pH Units
Specific Conductivity (SC)	120.1 or A2510B	1.0 micro ohms per centimeter (umhos/cm)
Oil & grease (O&G)[2]	EPA 1664A HEM	1.0 milligrams per liter (mg/L)
Total Suspended Solids (TSS)	SM2540D	1.0 milligrams per liter (mg/L)
Chemical Oxygen Demand (COD)	SM5220C	1.0 milligrams per liter (mg/L)
Ammonia (as N)	SM 4500-NH3 B+C or E	0.1 milligrams per liter (mg/L)
Iron (Fe)	200.7	0.005 milligrams per liter (mg/L)
Metals: Al, As, Cu, Pb, Mg, Se, & Zn	200.7, 200.8 or 6010B	0.0005 milligrams per liter (mg/L)
Metals: Cadmium (Cd) and Silver (Ag)	200.8	0.0002 milligrams per liter (mg/L)
Cyanide, Total	3135.2I	0.003 milligrams per liter (mg/L)
Mercury (Hg)	245.1	0.0001 milligrams per liter (mg/L)
Fecal Coliform[3]	SM9221B/E	1.0 colony forming units per 100 mL
Enterococci[3]	SM9230B	1.0 colony forming units per 100 mL

[1] Analyses must be conducted per 40 CFR Part 136 or an equivalent method approved by the RWQCB.
[2] O&G can be substituted for total organic carbon (TOC) as allowed in the General Permit.
[3] These are being analyzed in accordance with a Settlement Agreement.

The Method Detection Limit can vary based on the analysis method, laboratory equipment, laboratory Quality Assurance/Quality Control protocols, and the storm water sample itself. The method detection limits are carefully determined by the analytical laboratory to meet State and Federal regulations. The method detection limits are well below the Federal Benchmark Levels (FBLs), which are the pollutant concentrations above which EPA determined represent a level of concern at which a storm water discharge could potentially impair, or contribute to impairing, water quality or affect human health from ingestion of contaminated fish.

B.9.b Sampling and Sample Preservation

All sampling and sample preservation shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater". All analyses will be conducted at a laboratory certified for such analyses by the State Department of Health Services. Republic, or their designated consultant, will select the analytical laboratory and arrange the

handling and transfer of the sample bottles. Storm water samples will be placed in a cooler with ice and will be transported to the lab with a completed chain of custody.

The chain of custody shall include:

1) Site Name;
2) Project Manager and contact information (can be a consultant);
3) Sample location name(s);
4) Date and time of sample collection;
5) Requested analysis;
6) Requested turnaround time;
7) Total number of containers;
8) Name of individual performing sampling; and
9) Signatures of persons relinquishing and receiving the samples.

An example of the COC form is included in **Appendix E**.

All monitoring instruments and equipment shall be calibrated and maintained in accordance with manufacturers' specifications to ensure accurate measurements.

B.10 INACTIVE MINING OPERATIONS

There are no inactive mining operations at this site.

B.11 SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

There are no exemptions or reductions designated for this site.

B.12 RECORDS

A binder/folder will be maintained at IRMRF and will include this SWPPP, inspection forms, recommended actions, corrective actions, and results of laboratory analyses. The binder will be available to regulatory agencies upon request.

Records of storm water monitoring information shall include:

1. Date, place, time of site sampling and measurements (including rain amount in inches, site inspections, and visual wet weather observations).

2. Name of individual(s) performing sampling and monitoring.

3. Chain of Custody (COC) form and laboratory analytical report.

An example of the required COC form is included in **Appendix E**.

B.13 ANNUAL REPORT

All required information will be submitted in an annual report by the required due date of July 1st to either the Executive Officer of the Regional Water Quality Control Board (RWQCB) or via the SWRCB's online Storm Water Multiple Application and Report Tracking System (SMARTS) database.

The report shall include a summary of visual observations and sampling results, an evaluation of the visual observation and sampling and analysis results, laboratory reports, the Annual Comprehensive Site Compliance Evaluation Report, an explanation of why a facility did not implement any activities required by the General Permit (if applicable), and the visual observation and sample collection exception records (if applicable). The method detection limit of each analytical parameter shall be included, and analytical results that are non-detect (ND) shall be reported as "less than the method detection limit". Non-structural BMP evaluation and any improvements, if required, will also be included in the Annual Report. The Annual Report shall be signed and certified in accordance with Standard Provisions 9. and 10. of Section C of this General Permit. IRMRF prepares and submits the Annual Report using the forms provided on SWRCB's online SMARTS database.

B.14 GROUP MONITORING

This site was included in the Republic Services, Inc. Group Monitoring Program, which was approved by the SWRCB in October 2008. The alternative sampling schedule ended in 2013. As of July 1, 2013, IRMRF is no longer participating in a GMP.

B.15 WATERSHED MONITORING OPTION

The watershed monitoring option does not apply for this site.