

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 Business Name: _____
Physical Address: _____
City: _____
Standard Industrial Classification (SIC) Code(s): _____

Facility WDID No: _____

Contact Person: _____
e-mail: _____
CA Zip: _____ Phone: _____

B. Facility Operator Information:

Operator Name: _____
Mailing Address: _____
City: _____

Contact Person: _____
e-mail: _____
State: ____ Zip: _____ Phone: _____

C. Facility Billing Information:

Operator Name: _____
Mailing Address: _____
City: _____

Contact Person: _____
e-mail: _____
State: ____ Zip: _____ Phone: _____

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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

Certification 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 facility's 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	<input type="checkbox"/>	<input type="checkbox"/>	February	<input type="checkbox"/>	<input type="checkbox"/>
November	<input type="checkbox"/>	<input type="checkbox"/>	March	<input type="checkbox"/>	<input type="checkbox"/>
December	<input type="checkbox"/>	<input type="checkbox"/>	April	<input type="checkbox"/>	<input type="checkbox"/>
January	<input type="checkbox"/>	<input type="checkbox"/>	May	<input type="checkbox"/>	<input type="checkbox"/>

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 occurred 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: _____

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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

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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						
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> 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						
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM											
	_____ <input type="checkbox"/> AM <input type="checkbox"/> PM	_____ <input type="checkbox"/> AM <input type="checkbox"/> 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 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? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO If YES, complete reverse side of this form.

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**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	
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					

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**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.

<p>QUARTER: JULY-SEPT.</p> <p>DATE/TIME OF OBSERVATIONS _____ _ __ <input type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: _____</p> <p>Title: _____</p> <p>Signature: _____</p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: OCT.-DEC.</p> <p>DATE/TIME OF OBSERVATIONS _____ _ __ <input type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: _____</p> <p>Title: _____</p> <p>Signature: _____</p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: JAN.-MARCH</p> <p>DATE/TIME OF OBSERVATIONS _____ _ __ <input type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: _____</p> <p>Title: _____</p> <p>Signature: _____</p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: APRIL-JUNE</p> <p>DATE/TIME OF OBSERVATIONS _____ _ __ <input type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: _____</p> <p>Title: _____</p> <p>Signature: _____</p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>

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

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> 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	
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM					

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF

SIDE A

STORM WATER DISCHARGES

- 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	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: November ____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: December ____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: January ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

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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	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM	<u>EXAMPLE:</u> Discharge from material storage Area #2	Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	<u>EXAMPLE:</u> Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				

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FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF

STORM WATER DISCHARGES

- 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	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: March ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: April ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
Observation Date: May ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

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SIDE B

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

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION <u>EXAMPLE:</u> 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 <u>EXAMPLE:</u> Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				
_____ _____ <input type="checkbox"/> AM <input type="checkbox"/> PM				

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

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

Appendix D
Example of Visual Observation Forms



QUARTERLY DRY (NON-STORMWATER) VISUAL OBSERVATION FORM

Facility Address: Consolidated Volume Transport Recycling (CVT-Recycling)
1071 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 Location: Monitoring Point 1 (Drop Inlet)

1. Is there non-storm water discharge at MP-1 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 the 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: Consolidated Volume Transport Recycling (CVT-Recycling)
1071 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 be completed by the end of Oct, Nov, Dec, Jan, Feb, Mar, Apr, & May*

2. Monitoring Location MP-1 (Monitoring Point 1 at Drop Inlet)

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

If there is storm water discharge at MP-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: _____

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? Yes / No If yes, describe:

_____ **Date of Implementation:** _____

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

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

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

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



BIORETENTION AREA VISUAL OBSERVATION FORM

Facility Address: Consolidated Volume Transport Recycling (CVT-Recycling)
1071 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. Bioretention Area overflow is expected? Yes / No (circle one)

4. Bioretention Area and overflow monitoring location MP-1 (West end 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? _____

When was the rock basket last cleaned out? _____

Does the Bioretention Area appear to be in good condition? Yes / No (circle one)

Do the plants appear healthy? _____

Is there adequate ground cover? _____

Is there any discoloration? _____

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:



BIORETENTION AREA
VISUAL OBSERVATION FORM (Page 2)

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

6. Date of Implementation of new BMPs: _____

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

LITTER CONTROL LOG

Daily record keeping of housekeeping activities at CVT and CVT Recycling

Focus on litter and paper debris along perimeter of properties

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

Tools: Provided by Republic and must be returned Daily

START	Date:						Comments
		Mon	Tues	Wed	Thurs	Fri	
1 - Coronado Cul de sac							
Clean Storm Drain							
Clean Fence Line & Curbside							
2 - Along Coronado							
Clean Curbside							
Pick up litter from grass/shrubs							
3 - In Front of Ceramics							
Clean Loading Dock Area							
Clean Parking Lot							
Clean Along Building							
4 - Coronado / Blue Gum							
Clean Curbside							
Pick up litter from grass/shrubs							
5 - In Front of Post Collection Office							
Clean Storm Drain (street side)							
Clean Curbside (street side)							
Clean Storm Drain (parking lot side)							
Clean Curbside (parking lot side)							
Pick up litter from grass/shrubs							
Clean Parking Lot							
6 - Around Post Collection Office							
Pick up litter from grass/shrubs							
A - Clean area at Clarifiers and Fence							
B - Clean Alleyway (east of Ceramics)							
7 - HR / Blue Gum / Collections Office							
Clean HR Parking Lot							
Pick up litter from grass/shrubs							
Clean Collections Parking Lot							
8 - CVT Trailer Lot							
Pick up litter from grass/shrubs							
Clean Parking Lot							
Clean Fence Line							
9 - Blue Gum / La Palma (outside fence)							
Clean Curbside							
Pick up litter from grass/shrubs							
10 - La Palma / 57 Fwy (outside fence)							
Pick up litter from grass/shrubs							
11 - La Palma / Blue Gum (outside PRC)							
Pick up litter from grass/shrubs							



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



Environmental & Marine Chemistry Laboratories

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

CHAIN OF CUSTODY RECORD

DATE:
PAGE: 1 OF 1

LABORATORY CLIENT: Republic Services of Southern California, LLC - CVT-Recycling
ADDRESS: 1071 N. Blue Gum Street
CITY: Anaheim STATE: CA ZIP: 92806
TEL: 714-238-3397 FAX: 714-238-3307 E-MAIL: jgraves@republicservices.com
CLIENT PROJECT NAME / NUMBER: Storm Water Sampling
PROJECT CONTACT: Jason Graves
LAB CONTACT OR QUOTE NO.:

TURNAROUND TIME:
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSIS

Table with columns: LAB USE ONLY, SAMPLE ID, LOCATION / DESCRIPTION, SAMPLING (DATE, TIME), MATRIX, NO. OF CONT., and various test parameters (TSS, Oil & Grease, Metals, COD, pH, EC, Fecal Coliform, Enterococci).

Example

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

Exhibit C



DRAFT STORM WATER POLLUTION PREVENTION/MONITORING PLAN

Anaheim Truck Depot and O&M Facility

1231 - 1235 North Blue Gum Street

Anaheim, CA 92806

WDID No. 830I000219

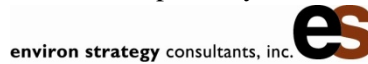
Prepared for:

Republic Waste Services of Southern California, L.L.C.

1131 N. Blue Gum

Anaheim, CA 92806

Prepared by:



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 24, 2013

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Figure 2 – SWPPP Site Plan

Figure 3A – Preliminary BMP Site Map

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Table 1 – List of Significant Materials at ATD and O&M

Table 2 – ATD/O&M Storm Water Pollution Prevention Team

Table 3 – Potential Pollution Sources and Corresponding BMPs

Appendix A – Copy of General Storm Water Permit

Appendix B – Receipt of Notice of Intent

Appendix C – Example of Annual Report Forms

Appendix D – Example of Visual Observation Forms

Appendix E – Example of Chain of Custody Form

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 the Anaheim Truck Depot (ATD) and the On-road Operations and Maintenance (O&M) Facility collectively known as ATD/O&M and 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. ATD/O&M 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 ATD/O&M 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**.

ATD/O&M 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 public and commercial fueling services and maintenance and support for Republic's commercial and residential solid waste pickup within Orange County and outlying areas (see **Figure 1**).

Name/Address: Republic Waste Services of Southern California, L.L.C.
dba Anaheim Truck Depot and the Operations & Maintenance Facility
1231 and 1235 N. Blue Gum St.
Anaheim, CA 92806

Site Contact: Gregorio Urueta, On-Road Maintenance Manager
(Telephone 714-238-3300)

Facility SIC Code: 4212 (Local Trucking)

WDID #: 830I000219

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. ATD/O&M 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

ATD/O&M houses the Orange County refueling and maintenance operations of Republic to support the solid waste hauling operations. Site facilities include truck parking areas, equipment storage areas, painting facilities, public and private refueling stations, administrative offices, equipment washing facilities, and bin, container, and truck maintenance facilities. **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.

ATD/O&M is approximately 13.1 acres in size. Approximately 97% of the site is surfaced in impervious materials. Structures account for approximately 22% of the site while 75% is comprised of paved areas. The remaining 3% pervious surface consists of landscaped areas.

The majority of the site drains to the northwest via surface drainage. However, some storm water discharge may also drain south to Coronado Street, east to Blue Gum Street, or west towards the 57 freeway's landscaped embankment slopes. Three (3) clarifiers are in operation on site. Two (2) clarifiers service the truck wash area and the bin wash area. These clarifiers discharge to the public sanitary sewer system. The third clarifier is a settling unit, located upstream of the O&M Stormwater Discharge point (**Figure 2**).

Site operations include: the parking and fueling of solid waste collection and bulk transfer vehicles; the repair, cleaning, painting and maintenance of solid waste collection vehicles and bins; public and private refueling; employee parking areas; and activities associated with administrative uses. The paint booth, maintenance buildings, repair and weld shops, office buildings, and storage building are enclosed. The truck wash, bin wash, and storage areas for metals, maintenance fluids, and paint supplies are covered with canopies. All other areas are currently exposed (see **Figure 2**). The public fueling islands near Blue Gum Street and the diesel dispenser in the O&M lot will be covered by February 2014, as described further in Section A.8.b.

A.3.a Pollution Prevention Team

The members of the ATD/O&M Pollution Prevention Team (PPT) are listed in **Table 2**. 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 other Managers and Supervisors.

A.4 STORM WATER DRAINAGE PATTERNS AND SAMPLING LOCATIONS

The O&M area has concrete ribbon gutters to help collect and direct storm water discharge off the site. The south side of the O&M truck parking lot has block walls that prevent storm water discharge in this area. The perimeter fence along the north and west side of the facility has concrete curbing in some locations to prevent runoff and/or run-on from the adjacent properties. Storm water may temporarily pool onsite in the event of heavy rainfall, but will not remain. There are storm drains located on Blue Gum and Coronado streets that are not the responsibility of ATD/O&M.

The site contains five (5) drainage areas, which are illustrated on **Figure 2**. The majority of storm water runoff at ATD/O&M drains from Area 1 to the northwest corner of the truck parking lot via a concrete ribbon gutter. In Area 2 storm water discharge flows northeast and southeast to the two (2) driveways at Blue Gum Street. Storm water in Area 3 discharges via small drainage holes in the block wall to the south and into the landscaping along Coronado Street. Storm water discharge in Area 4 flows to a concrete ribbon gutter, which directs the flow north and then west towards the 57 freeway embankment. In Area 5 the storm water currently discharges out the three (3) driveways to Coronado Street. By December 31, 2013, the storm water discharge in Areas 1, 3, 4, and 5 will be directed to StormChamber® subsurface infiltration devices. The proposed infiltration devices and additional storm water BMPs are illustrated on **Figure 3A**.

Three (3) clarifiers are currently in operation on site. A clarifier services the truck wash area and another collects the wash water from the bin wash area. Both of these clarifiers discharge to the public sanitary sewer system. The third clarifier is a storm water settling unit, located upstream of the O&M Storm Water Discharge point. The storm water setting clarifier may be modified or removed once the proposed StormChamber® is installed in Area 1.

ATD/O&M currently has two (2) monitoring points: MP-1 located at the northwest portion of the O&M truck parking area near the discharge from the settling clarifier and MP-2 located at the south driveway onto Blue Gum Street from the ATD fueling area. The proposed StormChamber® subsurface infiltration device is designed to eliminate storm water discharge from former monitoring point MP-1, unless the storm event exceeds the 85th percentile design storm. Therefore, Republic anticipates that only monitoring point MP-2 will have storm water discharge offsite that can be sampled, during most storm events. However, the four (4) StormChamber® infiltration devices will be monitored during rain events that occur during scheduled facility operating hours. If storm water overflow or discharge from any of the StormChamber® devices is observed, it will be sampled 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.

The drainage from this site flows north to Carbon Creek approximately 0.2 miles from ATD/O&M. The receiving waters are the Santa Ana River.

A.4.1 Drainage Estimate

An estimate of the drainage areas, in relation to total facility square footage is presented in the following table. **Figure 2** is a site plan illustrating the drainage areas, current discharge locations, and current monitoring points at the site.

Drainage Area	Runoff Source Area	% of Total Facility	(Approx. Sq. Feet)
1	Paved municipal solid waste collection truck parking; diesel fueling area; LNG station; truck wash; paint booth; Maintenance building & maintenance fluid storage area; O&M office; the break building; and a portion of the Repair Shop. This area flows to Monitoring Point 1 at the north site perimeter, which may be modified after the installation of the StormChamber® subsurface infiltration.	55%	304,500
2	ATD public and commercial fuel dispensing and parking areas. This section also includes landscaping and Monitoring Point 2 located at the south driveway onto Blue Gum Street.	7%	36,700
3	The south portion of the Repair Shop; metals storage area under the canopy; the CNG Area; and a few of the truck parking spots.	7%	40,400
4	The northwest corner of the site which includes: a Bin Storage building; a Dispatch Office; the Bin Repair & Weld Shop; truck parking areas; a covered Bin Wash; and paved areas used for temporary bin staging.	28%	153,500
5	The southwest corner of the site, which includes landscaping and employee parking areas.	3%	18,500

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 ATD/O&M are listed in **Table 1**. A complete listing of raw materials is also contained in the ATD/O&M Hazard Communication 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 ATD/O&M.

A.6.a.i Industrial Processes

Industrial process areas identified as potential source contributors to pollutants in storm water runoff include: the Maintenance Building; fueling areas; the maintenance fluid storage area; Bin Repair & Weld Shop; the Repair Shop; the paint booth; the truck wash; the bin wash; the canopy with metals storage; truck and vehicle parking areas; the Storage Building; and other outside paved areas. Pollutants inadvertently coming in contact with rainwater may increase levels of oil

and grease (O&G), metals, and total suspended solids (TSS). The potential pollutants are discussed for each area described below.

Maintenance Building:

Collection truck maintenance is performed in the Maintenance Building. The building has bay doors that the trucks can enter and park inside the building to receive maintenance. Maintenance fluids such as oil, transmission fluid, hydraulic oil, etc. are delivered to the work areas via overhead hoses. The south end of the building has an area for draining the oil filters and emptying the drip pans. There is also a parts-washing station that uses an aqueous degreaser.

Chemicals are ordered on an as-needed basis so there is no build-up of materials in stock. All chemicals are stored in appropriate fire protection cabinets and/or containment devices. Any materials spilled are immediately treated with absorbent materials and cleaned up to avoid tracking outside. There are special closed containers for storing used rags and absorbent materials. There is no history of any releases of chemical from this location on the site.

Maintenance Fluid Storage Area:

The maintenance fluid storage area is located south of the Maintenance Building. Double-walled ASTs containing oil, hydraulic oil, transmission fluid, and used oil are kept under awnings to prevent rain contact. ASTs containing coolant, used coolant, and gear oil are kept on spill containment pallets under cover. Drums containing drained oil filters, used absorbent materials, etc. are also kept on spill containment pallets under an awning.

Refueling Areas:

There are diesel and Liquid Natural Gas (LNG) fueling stations located east of the dispatch office in the O&M lot. Collection vehicles are fueled by drivers each working day at these stations. The diesel fueling stations and dispensing areas will be covered by a metal canopy and surrounded with berms as described in Section A.8.b by February 1, 2014, subject to receiving the necessary permits from the city of Anaheim and fabrication (**Figure 3A**).

There is a public and commercial fueling area located adjacent to Blue Gum Street at the ATD. Three (3) grades of gasoline, red-dye diesel fuel, and regular diesel fuel are stored in underground storage tanks (USTs) at the ATD. These fuels are dispensed at four (4) dispensers. These fuel islands and dispensing areas will be covered with metal canopies and surrounded by berms as described in Section A.8.b by February 1, 2014, subject to receiving the necessary permits from the city of Anaheim and fabrication (**Figure 3A**). Compressed Natural Gas (CNG) is also piped to a dispenser in the ATD fueling area, from three (3) cylinders located at the LNG enclosure in the O&M lot.

Tanker trucks enter ATD and the O&M site on a daily basis (as needed) and pump fuels directly into the underground storage tanks (USTs). The USTs and tank truck hoses have overflow protection in use, while transferring fuels. The LNG fuel cylinder is also filled by a special truck on almost a daily basis (as needed).

LNG fuel is not considered a storm water pollutant, since any spills evaporate before they make contact with the ground. Spillage of diesel and gasoline can occur if employees are not trained or do not follow the standard operating procedures for the fuel island use.

Repair Shop:

This building is located south of the Maintenance Building. It is used for body work, tires, and other non-engine maintenance on the collections trucks and equipment. Activities are kept inside the building. The building also has a trench drain, which will collect any liquids before they leave the building.

Paint Booth:

The Paint Booth is located west of the Repair Shop. It is used for painting trucks, bins, and equipment. Paint and paint remover are kept in buckets and drums on spill containment pallets under an awning on the South of the Paint Booth. All painting occurs within the booth.

Bin Repair & Weld Shop:

This building is located in the southwest corner of the site and houses the bin repair, welding, and painting operations. Activities are kept inside the building.

Truck Wash:

The truck wash area is partially enclosed and surrounded by a concrete berm to prevent wash water from leaving the area. Detergent is used in this area and wash water is collected by a clarifier that is piped directly to the Sanitary Sewer System.

Bin Wash Area:

The bin wash area is located at the north end of the Bin Repair & Weld Shop. It has an overhead awning and a concrete berm around it to act as secondary containment. This area also has a clarifier to collect wash water that discharges to the Sanitary Sewer System. Bins awaiting cleaning may be staged north of the wash area.

Storage Building:

A Storage Building is located in the northwest corner of the site. It is used to store bins, parts, equipment, etc. Clean bins are sometimes stored south of this building. The bins are stored on their sides or have lids to prevent rain collecting in them. Some equipment and materials are also stored in the Dispatch Office, located southeast of the Storage Building.

Parking Areas:

There are several parking areas located around the site. The parking areas are all on asphalt or concrete, and are potential sites for storm water pollution from the vehicle liquids or other leaks. Collection trucks have assigned parking spaces in the O&M lot so that leaking trucks can be detected. All vehicles are maintained and checked for leaks on a regular basis. Any trucks that are leaking will be repaired and the minor spillage cleaned up immediately.

Additional parking areas are mostly used for employee parking, visitors, or delivery vehicles. These areas are found at the south end of the ATD fueling area, in the northeast corner of the O&M lot near the Break Building, south and east of the Bin Repair & Weld Shop, and south and west of the Dispatch Office.

Outside Material Storage/Work Areas:

Other outside paved areas of the site may be used for material storage and/or work areas. Metal parts are stored under a canopy located west of the Repair Shop. Sometimes new stacked household waste bins are stored south of the Truck Wash. These storage areas are used for things that are non-chemical in nature. Containers and bins are inspected for leaks and the contents are checked to make sure that they are not creating a hazard.

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

The significant materials and their storage locations at the site are listed in **Table 1 - List of Significant Materials at ATD/O&M**. Engine oil, transmission fluid, hydraulic oil, and used oil are stored in double-walled ASTs under an awning located adjacent to the south wall of the Maintenance Building (**Figure 2**). Gear oil is stored in a covered alcove on a spill containment pallet located east of the ASTs. Coolant and used coolant are stored in poly tanks on spill containment pallets under an awning located adjacent to the north wall of the Repair Shop. East of the coolant under the awning are spill containment pallets used for staging drums with used oil filters and other oily waste awaiting pick up. Small amounts of flammable chemicals used for maintenance are kept in fire-rated cabinets in the buildings.

Hazardous wastes generated by servicing and maintenance of trucks and 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 either within the Maintenance Building or beneath the awnings south of the building. Site office-generated E-waste, batteries, and fluorescent bulbs are temporarily stored in a secure location in the Maintenance Building. 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.

Other material handling locations include the ATD fueling area adjacent to Blue Gum Street and the O&M diesel, LNG, and CNG fuel stations. These locations and the types of fuels dispensed are illustrated on **Figure 2**. Water based paints and water based paint removers are stored on

spill containment pallets under an awning next to the paint booth. Detergents and water based cleaners are used at the Truck Wash and Bin Wash areas.

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

Collection trucks and vehicle traffic on the site may track dust and dirt around the site. Truck and bin washing deposits dirt and debris on the ground in those areas. Bin maintenance and welding may also create dust and metal particulates, so these activities are kept within site buildings. To prevent airborne particulates, all painting is performed within the paint booth. The site may also receive dust from the 57 freeway embankment along the west perimeter of the site. The site added silt fence along some of the site perimeter to prevent off-site dirt from blowing onto the site.

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 ATD/O&M.

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

The ATD/O&M site has installed engineering controls to prevent any non-storm water discharges (irrigation water and air conditioner runoff, etc.) from leaving the site. Air conditioner runoff is directed to landscaped areas at the site as much as possible. Landscaped areas are checked to ensure that irrigation water is not over-spraying or flowing out of the appropriate areas. Domestic wastewater is piped directly to municipal sanitary sewer lines. Republic does not anticipate unauthorized non-storm water discharges or infiltration at this 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 3% of ATD/O&M has permeable surfaces with potential to erode during heavy rain events. These consist of landscaped areas, which have established plants and grass to prevent erosion. Some soil may come onto the site from the landscaped 57 freeway embankment located along the western property boundary. These slopes are maintained by Cal Trans, so when there are erosion issues, ATD/O&M contacts Cal Trans.

A.6.b Potential Pollution Sources and Corresponding BMPs

ATD/O&M 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.

The far north entrance driveway from Blue Gum Street to Drainage Area 1 is raised to prevent any run-on or run-off. The north driveway (entrance driveway) to Drainage Area 2 from Blue

Gum Street has minimal potential run-off due to the topography in this area. The south driveway (exit driveway) may have a minor amount of storm water runoff, which will continue to be monitored at location MP-2. Run-on and run-off will be prevented at the driveways at Coronado Street on the south perimeter of the property, once the cross-gutters and structural storm water BMPs are completed as described in Section 8.A.b.

A.7 ASSESSMENT OF POTENTIAL POLLUTANT SOURCES

Certain materials used or stored on the site contain potential pollutants. The following table lists the pollutants identified as having a reasonable potential to be present in storm water discharge.

Potential Pollutant	Source	Location
Oil & Grease (O&G)	Fuels, Hydraulic fluids, Lubricants	Fueling areas, parking areas, and vehicle traffic
Total Suspended Solids (TSS)	Truck traffic, truck & bin washing, bin repair	Unpaved areas and vehicle traffic

Facility waste water discharges originate only from domestic water use and from the truck wash and bin wash areas. Domestic wastewater and the truck and bin wash clarifiers are piped directly to municipal sanitary sewer lines.

A.8 STORM WATER BEST MANAGEMENT PRACTICES

Table 3 contains an assessment of potential pollutant sources and the corresponding best management practices utilized at ATD/O&M. The BMPs are also separated into non-structural and structural categories and described below.

A.8.a STORM WATER BEST MANAGEMENT PRACTICES – NON-STRUCTURAL

ATD/O&M 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.a.i Good Housekeeping

The following procedures are routinely employed to maintain ATD/O&M as a clean and orderly facility:

- Regenerative street sweepers operate on site and along the access roads adjacent to the facility;

- Hydrocarbon spots left by company and 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;
- Absorbent material and pans are used to contain leaks, spills, or small discharges;
- Vehicles, equipment, and bin cleaning is performed in designated areas equipped with collection drains using minimal amounts of water;
- Hazardous wastes generated at the site 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; and
- Litter collection, tarp applications and inspections, and BMP inspections and maintenance will be documented on the inspection forms enclosed in **Appendix D**.

A.8.a.ii Preventive Maintenance

The following preventative maintenance procedures are routinely practiced at ATD/O&M:

- 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 areas, Maintenance Building, near the ASTs, etc.);
- 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 appropriate manager;

- Individuals fueling vehicles are instructed not to “top off” or overfill fuel tanks;
- Vehicle and equipment maintenance is performed in a designated area on impermeable surfaces; and
- Collection trucks and site equipment are parked in assigned spaces and checked for leaks daily.

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

The following material handling and storage procedures are employed at ATD/O&M 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.
- All containers storing significant materials are kept closed and secure except when adding or removing material.
- All hazardous materials are stored in secure locations within containers that are compatible with the material being stored and have secondary containment as appropriate.

- All hazardous materials containers have legible labels identifying the material and the date stored.
- All USTs and ASTs are filled by licensed and certified fuel transporters using overflow protection.

A.8.a.v Employee Training

Responsibilities of the SWPPP 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, tarp application and inspections, appropriate hazardous material handling and storage, and other required training. In addition to emergency response procedures identified in the Emergency Response Plan, ATD/O&M 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. This training is designed to maintain employee awareness regarding storm water pollution prevention practices. Drivers/operators receive additional training in proper fueling, fuel station inspections, and spill prevention procedures.

A.8.a.vi Waste Handling / Waste Recycling

The following waste handling and recycling procedures are implemented at ATD/O&M to minimize and prevent exposure of storm water to pollutants:

- Waste products from vehicle/equipment maintenance such as motor oil, antifreeze, brake fluid, hydraulic fluid, gear oil, and batteries are collected, temporarily stored in appropriately 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 covered containers located indoors in the Maintenance Shop.
- Used oil filters are drained and then recycled by an approved vendor. Used oily parts are cleaned prior to disposal or recycling. Used oil from these activities is collected in the used oil tank.
- Computers, fluorescent bulbs, and other small amounts of E-waste from the administrative offices are kept in a secure area and picked up and recycled by an approved vendor using manifest documentation.

A.8.a.vii Recordkeeping and Internal Reporting

ATD/O&M 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, 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.viii Erosion Control and Site Stabilization

Impermeable surfaces at ATD/O&M are maintained with landscape vegetation to prevent erosion. 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.ix Inspections

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

Designated ATD/O&M employees perform routine site inspection duties. Inspecting employees may recommend any additional spill prevention or storm water pollution 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 a *Litter Control Log* (**Appendix D**). Storm water infiltration and pre-treatment areas will be inspected during storm events that occur during scheduled facility operating hours using the forms in **Appendix D**. If tarps are applied to cover exposed materials, a *Tarp Application and Inspection Log* (**Appendix D**) will be filled out. These inspections will be maintained at the site.

A.8.a.x 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), the following metal roof storm water discharge samples will be taken:

- Maintenance Building – 1 sample
- Repair Shop – 1 sample

These are the only buildings with metal roofs. The two (2) samples listed above 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 roofs will not require coating. If the samples exceed the following USEPA Storm Water Benchmarks, the metal roof(s) exceeding the benchmark values 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.xi 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.

A.8.b STORM WATER BEST MANAGEMENT PRACTICES – STRUCTURAL

ATD/O&M 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

Maintenance of trucks, equipment, and bins are conducted within the site buildings. Maintenance fluids and hazardous liquids are stored within the Maintenance Building or beneath awnings located south of the building. Site generated E-waste, batteries, fluorescent bulbs, etc. are stored in the Maintenance Building. The Truck Wash and bin wash areas have overhead coverage. Metal parts and pieces are stored inside the Repair Shop, the Bin Repair & Weld Shop, the Storage Building, or beneath a canopy on the south side of the site. Paint and related materials are stored beneath an awning on the south side of the Paint Booth. All painting takes place within the Paint Booth. Canopies will be installed above all the fuel islands at ATD (Drainage Area 2) and above the diesel fuel island in the O&M lot (Drainage Area 1) by February 2014 pending acquiring permits and fabrication (**Figure 3A**).

A.8.b.ii Retention Ponds

ATD/O&M does not have any retention ponds onsite.

A.8.b.iii Control Devices

A concrete curb runs along a portion of the west side of the O&M lot to prevent storm water from leaving the site and to prevent sediment from the slopes alongside the 57 freeway from washing down into the site.

The far north entrance driveway from Blue Gum Street to Drainage Area 1 is built up to prevent run-on and run-off.

There is concrete curbing around the entire perimeter of the ATD fueling area except at the two driveways onto Blue Gum Street. A concrete berm will be constructed around the fueling area as illustrated on **Figure 3A**. The north driveway (entrance driveway) to Drainage Area 2 from Blue Gum Street has a minimal potential for run-off due to the topography in this area. The south driveway (exit driveway) may have a minor amount of storm water runoff from the small adjacent paved area, which will continue to be monitored at location MP-2.

There are berms around the truck wash and bin wash areas, to keep wash water in these areas.

Most of the south perimeter of the site has block walls or concrete curbing along it to prevent discharge offsite. Discharge onto Coronado Street through the holes in the block wall in Drainage Area 3 will be prevented by plugging the holes and installing a StormChamber® with SedimenTrap™ pretreatment device by December 31, 2013 (**Figure 3E**). Run-on and run-off will be prevented at the three (3) driveways at Coronado Street by cross-gutters connected to a StormChamber® with SedimenTrap™ pretreatment devices, which will be installed by December 31, 2013 (**Figure 3D**).

StormChambers® with SedimenTrap™ pretreatment devices will also be installed in Drainage Area 1 on the north perimeter and in Drainage Area 4 south of the Bin Storage building by December 31, 2013. Existing concrete ribbon gutters and grade breaks on the O&M lot will help direct storm water drainage in Areas 1 and 4 towards the proposed storm water treatment devices (**Figures 3B and 3C**).

A.8.b.iv Secondary Containment Structures

Maintenance fluids and waste fluids are stored in double-walled ASTs or in drums and containers that are kept on spill-containment pallets. Spill containment pallets are also placed below some of the fluid hoses in the Maintenance Building to collect drips. The USTs are all double-walled with double-walled piping and are equipped with leak detection systems in accordance with current regulations.

A.8.b.v Treatment

StormChamber® with SedimenTrap™ pretreatment devices will be installed by December 31, 2013 in Drainage Area 1 on the north perimeter, in Drainage Area 3 on the south perimeter, in Drainage Area 4 south of the Bin Storage building, and in Drainage Area 5 south of the Bin Repair & Weld Shop (see **Figures 3A to 3E**). Pretreatment to prevent clogging the

StormChamber® subsurface infiltration device will consist of inlet protection in the form of fiber rolls and drop inlet filters. Maintenance on the pretreatment devices will be recorded on the *Storm Chamber Visual Observation Form* enclosed in **Appendix D**.

Several clarifiers are in operation on site. Two clarifiers collect wash water from the Truck Wash and bin wash areas, which is discharged directly to the public sanitary sewer system. The site maintains permits for this discharge. The other clarifier is a settling unit, located upstream of the O&M Storm water Discharge point on the north side of the parking lot. This settling unit will either be removed, or utilized as an additional pretreatment device for the proposed StormChamber® with SedimenTrap™ pretreatment device that will be installed in this area.

The above mentioned StormChamber® infiltration areas have been designed for the 85th percentile storm, which is 0.9 inches of precipitation in a 24-hour period. Storm water discharge, due to overflow from a StormChamber® infiltration area will be sampled during scheduled facility operating hours. 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.

Permeable pavement will also be installed at the employee parking stalls at ATD (Drainage Area 2) as indicated on **Figure 3A**.

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 ATD/O&M 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 requirements(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 ATD/O&M, 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 ATD/O&M 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 as described below.

B.3 NON-STORM WATER VISUAL OBSERVATIONS

Quarterly a designated ATD/O&M 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 ATD/O&M 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 and permeable paving should eliminate non-storm water discharges. No unauthorized non-storm water discharges will be allowed to enter the infiltration areas. If authorized non-storm water discharge is observed leaving the site, the source will be identified and additional BMPs used to eliminate the flow or volume of non-storm water discharges. Quarterly observations will include a description of corrective measures taken to eliminate the discharge. The BMPs may be revised and implemented if necessary.

B.4 STORM WATER DISCHARGE VISUAL OBSERVATION

Monthly during the wet season (October 1 to May 30) a designated ATD/O&M 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 (3) “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. The BMPs shall be revised and implemented as necessary.

B.5 SAMPLING AND ANALYSIS

Republic has prepared a site-specific storm water monitoring program for ATD/O&M 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. ATD/O&M 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 ATD/O&M personnel.

B.5.a Sampling Preparation

ATD/O&M 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 (3)

“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.

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 herein:

Parameters	EPA Method ¹	Sample Bottle
pH	150.1, A4500HB, or grab	500 mili-liter HDPE unpreserved
Specific Conductivity (EC)	120.1 or A2510B	500 mili-liter HDPE unpreserved
Oil & grease (O&G) ²	413.2 or 1664A HEM	1 liter amber glass with H ₂ SO ₄
Total Suspended Solids (TSS)	160.2 or 2540D	1 liter HDPE unpreserved
Fecal coliform ³	SM9221B/E	120 mili-liter HDPE with Na ₂ S ₂ O ₃ tablet
Enterococci ³	SM9230B	120 mili-liter HDPE with Na ₂ S ₂ O ₃ tablet

HNO₃ = nitric acid H₂SO₄ = sulfuric acid Na₂S₂O₃ = sodium thiosulfate HDPE = high density polyethylene

¹ Or Equivalent Approved Method

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

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

B.6 FACILITIES SUBJECT TO FEDERAL STORM WATER EFFLUENT LIMITATION GUIDELINES

Storm water effluent limitations are not currently applicable to this site.

B.7 SAMPLE STORM WATER DISCHARGE LOCATIONS

B.7.a Representative Drainage Areas

Based on the general site contours and the proposed storm water infiltration areas, Republic previously had identified two representative storm water discharge locations for monitoring/sampling. Monitoring point (MP-1) located at the north perimeter of the site after the settling clarifier, and monitoring point (MP-2) located at the southeast corner of the site at the driveway onto Blue Gum Street (**Figure 2**). The installation of the StormChamber® subsurface

infiltration devices is expected to mostly eliminate storm water discharge from the former monitoring point MP-1. Therefore, Republic anticipates that only monitoring point MP-2 will have storm water discharge offsite that can be regularly sampled. However, the StormChamber® subsurface infiltration devices and their pre-treatment BMPs will be monitored, when rain events occur during scheduled facility operating hours. This monitoring will be recorded on the observation forms in **Appendix D**. If discharge or overflow is observed, then 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.7.b Comingled Storm Water

The storm water sampling locations will be carefully sampled to avoid collecting a comingled storm water sample.

B.7.c Sample Locations That Are Difficult to Observe and Sample

The current sample locations at ATD/O&M is not difficult to observe or sample.

B.7.d Substantially Identical Drainage Areas

Though not currently applicable, ATD/O&M 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.8 VISUAL OBSERVATION AND SAMPLE COLLECTION EXCEPTIONS

B.8.a Exceptions

If ATD/O&M is not able to conduct required visual observations or collect storm water samples due to dangerous weather conditions, storm water discharge beginning after scheduled facility operating hours, or because storm water discharges are not preceded by three (3) “working days” without discharge, these exceptions shall be explained in the annual report.

B.8.b Non-Qualifying Observation and Sampling Exceptions

ATD/O&M will attempt to perform visual observations and sample collection within the first hour of storm water discharge from the site drainage locations. However, ATD/O&M 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.9 ALTERNATIVE MONITORING PROCEDURES

This site does not have any alternative monitoring procedures.

B.10 MONITORING METHODS

B.10.a Rationale for ATD/O&M Monitoring Program

B.10.a.i Visual Observations

ATD/O&M will perform monthly visual observations of storm water discharge from October to May during the “wet” season. The monitoring location MP-2 has been selected based upon the topography, site configuration and drainage, storm water infiltration areas, and industrial activities at ATD/O&M.

The StormChamber® infiltration Areas 1, 3, 4, and 5 (**Figure 3A**) will be observed during rain events that occur during scheduled facility operating hours. These observations will be recorded on the StormChamber Visual Observation Form in **Appendix D**.

Authorized non-storm water discharges should be mostly eliminated after the proposed installation of infiltration areas and permeable pavement. Republic has prevention measures including spill kits to prevent unauthorized discharge. Unauthorized non-storm water discharge will be prevented from flowing into any of the infiltration areas. In accordance with the General Permit, quarterly visual observations will be performed to detect the presence of authorized or 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.10.a.ii Sampling Locations

ATD/O&M 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. Since it is anticipated that storm water discharge from ATD will be mostly eliminated, once the proposed infiltration areas and permeable pavement is installed, monitoring point MP-2 will be representative of runoff from the majority of the facility grounds in accordance with the guidelines provided by the RWQCB.

However, if storm water discharge due to overflow from a StormChamber® infiltration area occurs during scheduled facility operating hours, it will be sampled. The StormChamber® infiltration Areas 1, 3, 4, and 5 have been designed for the 85th percentile storm, which is 0.9 inches of precipitation in a 24-hour period. 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.10.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	150.1, A4500HB, or grab	0.01 pH Units
Specific Conductivity (EC)	120.1 or A2510B	1.0 micro ohms per centimeter (umhos/cm)
Oil & grease (O&G) ²	413.2 or 1664A HEM	1.0 milligrams per liter (mg/L)
Total Suspended Solids (TSS)	160.2 or 2540D	1.0 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.10.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.11 INACTIVE MINING OPERATIONS

There are no inactive mining operations at this site.

B.12 SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

There are no exemptions or reductions designated for this site.

B.13 RECORDS

A binder/folder will be maintained at ATD/O&M 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 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.14 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. ATD/O&M prepares and submits the Annual Report using the forms provided on SWRCB's online SMARTS database.

B.15 GROUP MONITORING

This site was in the Republic Services, Inc. Group Monitoring Program (GMP), which was approved by the SWRCB in October 2008. The five year alternative sampling schedule ended in 2013. ATD is no longer participating in a GMP.

B.16 WATERSHED MONITORING OPTION

The watershed monitoring option does not apply for this site.