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## State Water Resources Control Board

To Interested Parties:

### 2012 - 2013 **RISK LEVEL 2 ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

Annual Reports will be submitted electronically via SMARTS. To register to use SMARTS please visit [smarts.waterboards.ca.gov](http://smarts.waterboards.ca.gov).

For all questions please contact the Storm Water Section at (866) 563-3107 or by email at [stormwater@waterboards.ca.gov](mailto:stormwater@waterboards.ca.gov).

Sincerely,

Storm Water Section

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State of California  
STATE WATER RESOURCES CONTROL BOARD

2012 - 2013  
**RISK LEVEL 2 ANNUAL REPORT**  
FOR  
STORM WATER DISCHARGES ASSOCIATED  
WITH CONSTRUCTION ACTIVITIES (RISK LEVEL 2)

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Reporting Period **July 1, 2012** through **June 30, 2013**

**In compliance with the Construction General Permit (CGP) an annual report is required to be submitted electronically via SMARTS by September 1 of each year.** This document must be certified and signed, under penalty of perjury, by the appropriate official of your company.

If you have any questions, please contact your Regional Board 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.waterboards.ca.gov/water\\_issues/programs/stormwater/contact.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml). 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. Property Owner Information:**

**Site WDID No:** 4 19C361045

Owner's Name: Defense Energy Support Center

Physical Address: 8725 John J Kingman Road

City: Fort Belvoir

Contact Person: Matthew Young

e-mail: Matthew.Young@dla.mil

VA Zip: 22060 Phone: 703-767-8309

**B. Site Information:**

Site Name: Defense Fuel Support Point

Mailing Address: 15306 Norwalk

City: Norwalk

Contact Person: Mary Lucas

e-mail: Mary.Lucas@parsons.com

State: CA Zip: 90650 Phone: 626-440-6032

**FORM 1  
SPECIFIC INFORMATION**

**C. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) [CGP Section XIV]**

1. Has a SWPPP been prepared by a Qualified SWPPP Developer (QSD) for the construction project?

**YES**  **NO**

2. Does the SWPPP include a Construction Site Monitoring Program (CSMP) section/element?

**YES**  **NO**

3. Are these documents kept onsite?

**YES**  **NO**

**D. GOOD SITE MANAGEMENT "HOUSEKEEPING" [CGP Attachment D, Section B]**

1. Were required good site management "housekeeping" measures for construction materials fully implemented on-site?

**YES**  **NO**  **NA**

a. Was an inventory of the products used and/or expected to be used conducted?

**YES**  **NO**

2. Were required good site management "housekeeping" measures for waste management fully implemented on-site?

**YES**  **NO**

a. Is there a spill response and implementation element of the SWPPP?

**YES**  **NO**

3. Were required good site management "housekeeping" measures for vehicle storage and maintenance fully implemented on-site?

**YES**  **NO**

4. Were required good site management "housekeeping" measures for landscape materials fully implemented on-site?

**YES**  **NO**  **NA**

5. Was a list of potential pollutant sources developed?

**YES**  **NO**

6. Were good site management "housekeeping" measures to control air deposition of site materials and from site operations implemented on-site?

YES  NO

**E. NON-STORM WATER MANAGEMENT [CGP Attachment D, Section C]**

1. Were measures to control all non-storm water discharges during construction implemented?

YES  NO

2. Were vehicles washed in such a manner as to prevent non-storm water discharges to surface waters or to MS4 drainage systems?

YES  NO  NA

3. Were streets cleaned in such a manner as to prevent unauthorized non-storm water discharges from reaching surface waters or MS4 drainage systems?

YES  NO

**F. EROSION CONTROLS [CGP Attachment D, Section D]**

1. Were required erosion controls fully implemented on your site?

YES  NO

**G. SEDIMENT CONTROLS [CGP Attachment D, Section E]**

1. Were required sediment controls fully implemented on your site?

YES  NO

2. Were immediate access roads inspected on a daily basis?

YES  NO

**H. RUN-ON AND RUN-OFF CONTROLS [CGP Attachment D, Section F]**

1. Was all site run-on and run-off effectively managed?

YES  NO

2. If run-on from the surrounding area is believed to contribute to an exceedance of the NALs, was this documented and was the run-on monitored?

YES  NO  NA

**I. RAIN EVENT ACTION PLAN (REAP) [CGP Attachment D, Section H]**

1. Were REAPs developed 48 hours prior to all likely precipitation events (50% or greater probability of producing precipitation)?

YES  NO

2. Did the REAPs developed meet the minimum criteria listed in **CGP Attachment D, Section H**?

YES  NO

3. Was a phase specific REAP (ex: grading and land development, streets and utilities, vertical construction, final landscaping & site stabilization) prepared for each likely precipitation event?

YES  NO

**J. INSPECTION, MAINTENANCE AND REPAIR [CGP Attachment D, Section G]**

1. Were all site inspections, maintenance, and repairs performed or supervised by a Qualified SWPPP Practitioner (QSP)?

YES  NO

2. Were site inspections conducted weekly and at least once each 24-hour period during extended storm events?

YES  NO

3. Were post rain event inspections conducted?

YES  NO

4. Do your inspection forms/ checklists meet the minimum criteria listed in **CGP Attachment D, Section G.5**?

YES  NO

5. During any site inspection, were BMP inadequacies noticed?

YES (Provide description in **Form 3**)  NO

6. If BMP inadequacies were observed, did BMP repairs/replacement occur within 72 hours?

YES  NO  NA

**K. VISUAL MONITORING [CGP Attachment D, Section I.3]**

1. Were all storm water discharges that occurred at all discharge locations observed within 2 business days (48 hours) after each qualifying rain event (producing precipitation of ½ inch or more at the time of discharge)?

YES  NO

2. Were all storm water discharges that occurred from storage or containment systems visually observed prior to discharge?

YES  NO

3. Were the time, date, and rain gauge reading recorded for each qualifying rain event?

YES  NO

4. Within 2 business days (48 hours) prior to each predicted qualifying rain event, were visual inspections conducted in compliance with **CGP Attachment D, Section I.3.e&f**?

YES  NO

5. Are all visual inspection records retained on-site?

YES  NO

**L. WATER QUALITY SAMPLING AND ANALYSIS [CGP Attachment D, Section I.4]**

1. How many qualifying storm events (producing precipitation of ½ inch or more at the time of discharge) occurred this past reporting year? 2

2. How many qualifying storm events (producing precipitation of ½ inch or more at the time of discharge) were sampled? 2

Explain Un-sampled events: \_\_\_\_\_

3. For the sampled events, did you collect three samples (representative of the flow and characteristics) each day of discharge per qualified event?

YES  NO  NA

4. Were grab samples analyzed for pH and turbidity? (Analytical data must be entered in the **RAW DATA** tab in SMARTS)

YES  NO  NA

5. Were Active Treatment System (ATS) effluent samples taken? (Applies to projects that deployed ATS)

YES  NO  NA

**M. NON-STORM WATER DISCHARGE MONITORING [CGP Attachment D, Section I.10]**

1. Were all drainage areas monitored for authorized/ unauthorized non-storm water discharges quarterly? (Complete Form 2)

YES  NO

2. Did visual observations indicate any authorized/ unauthorized non-storm water discharges?

YES  NO Skip to next Section

3. Were effluent samples taken of the authorized/ unauthorized non-storm water discharge? (Analytical data must be entered in the **RAW DATA** tab in SMARTS)

YES  NO Skip to next Section  NA

4. Were the effluent samples sent to a laboratory certified for such analyses by the State Department of Health Services?

YES  NO  NA

5. Were unauthorized non-storm water discharges eliminated?

YES  NO  NA

**N. NON-VISIBLE POLLUTANT MONITORING [CGP Attachment D, Section I.11]**

1. Were any breaches, malfunctions, leakages, or spills observed during a visual inspection?

YES  NO Skip to next Section

2. How many potential discharges of non-visible pollutants were identified? 0

3. For each discharge event (of non-visible pollutants), were samples collected in compliance with **CGP Attachment D, Section I.11.d**? (Analytical data must be entered in the **RAW DATA** tab in SMARTS)

YES  NO  NA

4. For each discharge event was a comparison sample collected (uncontaminated sample that did not come into contact with the pollutant)? (Analytical data must be entered in the **RAW DATA** tab in SMARTS)

YES  NO  NA

**O. WATERSHED MONITORING [CGP Attachment D, Section I.12]**

1. Are you part of a qualified regional watershed-based monitoring program approved by the Regional Water Board?

YES  NO

**P. RECORDS [CGP Attachment D, Section I.14]**

1. Are all records of all storm water monitoring information retained on-site?

YES  NO

**Q. NAL EXCEEDANCES [CGP Attachment D, Section I.15]**

1. Were any **Numeric Action Levels (NALs)** exceeded?

YES  NO Skip to next Section

2. Were corrective actions taken to address the NAL exceedances?

YES  NO  NA

If **YES**, please provide information about the corrective actions taken on **Form 3**

3. Were analytical results from any/all NAL exceedances submitted electronically to the State Water Board no later than 10 days after the conclusion of the storm event?

YES  NO  NA

4. Were any NAL Exceedance Reports submitted to the Regional Water Board?

YES  NO

*\*Section R - Not applicable to Risk Level 2*

*\*Section S - Not applicable to Risk Level 2*

**T. TRAINING**

1. Was a Qualified SWPPP Practitioner (QSP) in reasonable charge of SWPPP implementation?

YES  NO

If **Yes**, Provide Name and Certificate Number: Joseph Walters

23675

2. Were all individuals conducting BMP installation, inspection, maintenance and repairs trained appropriately?



**YES**

**NO**

3. Are complete training records kept on-site and available upon request?

**YES**

**NO**

**ANNUAL REPORT CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Matthew Young

Signature: \_\_\_\_\_ Date: 09/04/2013

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

## ***DESCRIPTION OF ANALYTICAL PARAMETERS***

The Construction Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least two parameters. These are pH and turbidity. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge (i.e. non-visible pollutants) as a result of construction site materials.

**pH (required)** - is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5 (Numeric Action Level-NAL range). At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. The Numeric Effluent Limitation (NEL) for pH is 6.0-9.0. An example of an acidic substance is vinegar, and an 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 construction activities which could increase or decrease the pH of your storm water discharge.

**Turbidity (required)** - is the cloudiness of water quantified by the degree to which light traveling through a water column is scattered by the suspended organic and inorganic particles it contains. The turbidity test is reported in Nephelometric Turbidity Units (NTU) or Jackson Turbidity Units (JTU). The NAL for turbidity in this General Permit is 250 NTU. The NEL is 500 NTU

**Suspended Sediment Concentration (SSC)** - is the measure of the concentration of suspended solid material in a water sample by measuring the dry weight of all of the solid material from a known volume of a collected water sample. Results are reported in mg/L.

**Benthic Macroinvertebrate Bioassessment** – evaluation of animals without backbones, living in or on sediments or other substrates, of a size large enough to be seen by the unaided eye, and which can be retained by a U.S. Standard No. 30 sieve (28 openings per inch, 0.595-mm openings) to assess the biological conditions (health) of a waterbody.

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**See Storm Water Contacts at**

**[http://www.waterboards.ca.gov/waterboards\\_map.shtml](http://www.waterboards.ca.gov/waterboards_map.shtml)**

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

- \* Dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.

- Make additional copies of this form as necessary.

U. AUTHORIZED NSWDs DISCHARGED

WERE ANY <u>AUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM JULY-SEPTEMBER?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>AUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM OCTOBER-DECEMBER?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>AUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM JANUARY-MARCH?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>AUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM APRIL-JUNE?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO

V. UNAUTHORIZED NSWDs DISCHARGED

WERE ANY <u>UNAUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM JULY-SEPTEMBER?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>UNAUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM OCTOBER-DECEMBER?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>UNAUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM JANUARY-MARCH?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO
WERE ANY <u>UNAUTHORIZED</u> NSWDs DISCHARGED OBSERVED FROM APRIL-JUNE?	<input type="checkbox"/> YES (If Yes, fill out side 2)
	<input checked="" type="checkbox"/> NO

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

<b>Quarter</b>	<b>Date/Time(HH:MM )</b>	<b>Source and Location of Authorized NSWD</b>	<b>Name of Authorized NSWD</b>	<b>Authorized NSWD Characteristics at Source</b>	<b>Authorized NSWD Characteristics at Drainage Area and Discharge Location</b>	<b>Revised or New BMPs Description and Implementation Date</b>
July - Sept						
Oct - Dec						
Jan - Mar						
Apr - Jun						

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**ANNUAL REPORT**

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

<b>Quarter</b>	<b>Date/Time(HH:MM )</b>	<b>Source and Location of Unauthorized NSWD</b>	<b>Name of Unauthorized NSWD</b>	<b>Unauthorized NSWD Characteristics at Source</b>	<b>Unauthorized NSWD Characteristics at Drainage Area and Discharge Location</b>	<b>Revised or New BMPs Description and Implementation Date</b>
July - Sept						
Oct - Dec						
Jan - Mar						
Apr - Jun						

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FORM 3

July-Sept Quarter	Oct-Dec Quarter	Jan-March Quarter?	April-June Quarter
		<p>Due primarily to an extended project schedule, the project changed from a Risk Level 1 to Risk Level 2 as of the 1/14/2013 SWPPP update. This change in Risk Level affected modifications in monitoring requirements. Loose soil observed close to roadway. Created sand bag berm and added gravel to transition points. Installed filter fabric on grate of storm drain drop inlet.</p>	

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**ANNUAL REPORT**

EXPLANATIONS SPECIFIED FOR VARIOUS YES/NO QUESTIONS IN THE REPORT

Explanation Question	Explanation Text
L3	Limited rainfall occurred during relatively short rainfall duration periods. In addition, the primary sample point only allows for a representative sample to be obtained within a catch basin drop inlet. Although a clean 5-gallon capacity bucket is used to capture a representative sample, the site experienced very limited runoff and sample volume accumulation for the two more significant rain events. Again, due to limited rainfall durations, attempts to obtain subsequent samples during the same rain event were unsuccessful.

**Attachments:**

Attachment Title	Description	Date Uploaded	Attachment Type	Doc Part No/Total Parts
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