



California Regional Water Quality Control Board, San Diego Region

January 28, 2015

Via email only

Peter Kiesecker
Standard Pacific Corporation
15360 Barranca Parkway
Irvine, California 92618
pkiesecker@stanpac.com

In reply refer to / attn:
SM-819010:wchiu

Subject: Notice of Violation No. R9-2015-0030, Harmony Grove Village Construction Project, Order No. 2009-0009-DWQ, NPDES Permit No. CAS000002, Construction General Permit

Mr. Kiesecker:

Enclosed is Notice of Violation (NOV) No. R9-2015-0030 issued to Standard Pacific Corporation for violations of Order No. 2009-0009-DWQ, issued by the California State Water Resources Control Board and overseen by the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board). As described in the NOV, the violations are subject to further enforcement pursuant to the California Water Code. The San Diego Water Board reserves the right to take any enforcement action authorized by law.

Please provide a written response **by February 11, 2015** that confirms the violations have been corrected, identify a date by which the violations were corrected, and description of the actions taken to ensure future violations of Order No. 2009-0009-DWQ will not occur.

In making the determination of whether and how to proceed with further enforcement action, the San Diego Water Board will consider the severity and effect of the violation, the level of cooperation, the time it takes to correct the identified violations, and the sufficiency of the corrections.

Please send any written correspondence in response to this letter to SanDiego@waterboards.ca.gov. These electronic documents must be submitted as a single file, in Portable Document Format (PDF) format, and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must also include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: **PIN: SM-819010:wchiu**.

For questions pertaining to the subject matter, please contact Wayne Chiu at (619) 521-3354 or wchiu@waterboards.ca.gov.

Respectfully,



Eric S. Becker, P.E.
Senior Water Resource Control Engineer
Storm Water Management Unit

ESB:wc

Enclosure: Notice of Violation No. R9-2015-0030

cc (via email only):

Jim Brockman, Standard Pacific Corporation (jbrockman@stanpac.com)

Kelly Doyle, Rick Engineering (kdoyle@rickengineering.com)

Jeannette Temple, County of San Diego (Jeannette.Temple@sdcounty.ca.gov)

Margaret Holcomb, County of San Diego (Margaret.Holcomb@sdcounty.ca.gov)

| Tech Staff Info & Use | |
|-----------------------|------------------------|
| Order No. | 2009-0009-DWQ |
| NPDES No. | CAS000002 |
| Place ID | SM-819010 |
| WDID | 937C364581 |
| Inspection ID | 2024533 |
| Violation ID | 856030, 856031, 856032 |
| Enforcement ID | 417978 |



California Regional Water Quality Control Board, San Diego Region

January 28, 2015

NOTICE OF VIOLATION
No. R9-2015-0030

Peter Kiesecker
Standard Pacific Corporation
15360 Barranca Parkway
Irvine, California 92618

Standard Pacific Corporation
Harmony Grove Village Construction Project
PIN No. SM-819101

Violations of
Order No. 2009-0009-DWQ,
Construction General Permit

STANDARD PACIFIC CORPORATION is hereby notified that the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) reserves the right to take any enforcement action authorized by law for the violations described herein.

STANDARD PACIFIC CORPORATION is in violation of State Water Resources Control Board (State Water Board) Order No. 2009-0009-DWQ, NPDES No. CAS000002, National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit).

A. Summary of Violations

Construction General Permit Violations

1. Failure to Comply with Discharge Prohibitions for Construction Activities:

- a. Pursuant to Provision III.B of State Water Board Order No. 2009-0009-DWQ: All discharges are prohibited except for the storm water and non-storm water discharges specifically authorized by this General Permit or another NPDES permit.

- b. Observation:** On January 23, 2015, the San Diego Water Board inspected the Harmony Grove Village construction site (WDID 937C364581). Standard Pacific Corporation is the Legally Responsible Person (LRP) enrolled under the Construction General Permit (CGP) for the site. On January 23, 2015, the San Diego Water Board inspector observed evidence of sediment discharged from the site to receiving waters due to inadequate and ineffective implementation of BMPs, constituting an unauthorized discharge of sediment from the site. See attached January 23, 2015 Facility Inspection Report Photos 9 and 10.

2. Failure to Comply with Effluent Limitations for Construction Activities:

- a. Pursuant to Provision V.A.2 of State Water Board Order No. 2009-0009-DWQ:** Dischargers shall minimize or prevent pollutants in storm water discharges and authorized non-storm water discharges through the use of controls, structures, and management practices that achieve Best Available Technology Economically Achievable (BAT) for toxic and non-conventional pollutants and Best Conventional Pollutant Control Technology (BCT) for conventional pollutants.
- b. Pursuant to Provision X and Section A.1.b of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Dischargers shall minimize or prevent pollutants in storm water and authorized non-storm water discharges through the use of controls, structures, and management practices that achieve BAT for toxic and non-conventional pollutants and BCT for conventional pollutants.
- c. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed a lack of effective erosion controls and sediment controls required by the CGP, which directly lead to erosion and sedimentation that ultimately resulted in the discharge of sediment from the site to receiving waters. The discharge was a result of the implementation of controls, structures, and BMPs that do not achieve BCT. See attached January 23, 2015 Facility Inspection Report Photos 9 and 10.

3. Failure to Implement Good Site Management “Housekeeping” Best Management Practices (BMPs) for Construction Materials and Waste Management:

- a. Pursuant to Provision X and Section B.1.a of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.).
- b. Pursuant to Provision X and Section B.2.f of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.

- c. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed soil stockpiles without adequate cover, berm, containment or protection, resulting in erosion and sediment transport. See attached January 23, 2015 Facility Inspection Report Photos 1 and 2.
 - d. Pursuant to Provision X and Section B.2.i of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into the underlying soil and surrounding areas.
 - e. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed a temporary concrete washout area that was not adequately contained to prevent discharges into underlying soil and surrounding areas. See attached January 23, 2015 Facility Inspection Report Photos 3 and 4.
- 4. Failure to Implement Good Site Management “Housekeeping” BMPs for Vehicle Storage and Maintenance:**
- a. Pursuant to Provision X and Section B.3.a of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to prevent oil, grease, or fuel to leak in to the ground, storm drains or surface waters.
 - b. Pursuant to Provision X and Section B.3.b of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to place all equipment or vehicles, which are to be fueled, maintained and stored in a designated area fitted with appropriate BMPs.
 - c. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed several construction vehicles stored without appropriate BMPs to prevent oil, grease or fuel to leak in to the ground, storm drains or surface waters. See attached January 23, 2015 Facility Inspection Report Photos 5 and 6.
- 5. Failure to Implement Measures to Control Non-Storm Water Discharges:**
- a. Pursuant to Provision X and Section C.1 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall implement measures to control all non-storm water discharges during construction.
 - b. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed inadequate implementation of measures to control discharges of non-storm water runoff from a leaking hose to a storm drain inlet. See attached January 23, 2015 Facility Inspection Report Photos 7 and 8.

6. Failure to Implement Adequate Erosion Controls for Inactive Areas:

- a. **Pursuant to Provision X and Section D.2 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall provide effective soil cover for inactive areas and all finished slopes, open space, utility backfill, and completed lots.
- b. **Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed several completed building pads and slopes on the site that appeared to be inactive, or could be scheduled to be inactive, without effective soil cover or other BMPs that could prevent erosion. Evidence of erosion and sediment transport due to lack or erosion control measures for inactive areas were observed throughout the site during the inspection. See attached January 23, 2015 Facility Inspection Report Photos 9 through 14.

7. Failure to Implement Adequate Erosion Controls for Active Areas:

- a. **Pursuant to Provision X and Section E.3 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active construction.
- b. **Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed several active areas of the site that did not have appropriate erosion control BMPs in place or ready to be deployed. See attached January 23, 2015 Facility Inspection Report Photos 15 through 18.

8. Failure to Implement Adequate Linear Sediment Controls for Exposed Slopes:

- a. **Pursuant to Provision X and Section E.4 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall apply linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks of exposed slopes to comply with sheet flow lengths in accordance with Table 1.
- b. **Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed several slopes throughout the site without linear sediment controls along the toe and grade breaks of exposed slopes. See attached January 23, 2015 Facility Inspection Report Photos 9 through 14.

9. Failure to Identify and Record BMPs That Need Maintenance to Operate Effectively, or That Have Failed:

- a. **Pursuant to Provision X and Section G.2 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall perform weekly inspections and observations, and at least once each 24-hour period during

extended storm events, to identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended.

- b. Observation:** During the January 23, 2015 inspection, the San Diego Water Board inspector observed several BMPs throughout the site requiring maintenance to operate effectively, or have failed to operate as intended. See attached January 23, 2015 Facility Inspection Report Photos 9 through 14.

B. Summary of Potential Enforcement Options

These violations may subject you to additional enforcement by the San Diego Water Board or State Water Resources Control Board, including a potential civil liability assessment of \$10,000 per day of violation (Water Code section 13385) and/or any of the following enforcement actions:

| Other Potential Enforcement Options | Applicable Water Code Section |
|-------------------------------------|-------------------------------|
| Technical or Investigative Order | Sections 13267 or 13383 |
| Cleanup and Abatement Order | Section 13304 |
| Cease and Desist Order | Sections 13301-13303 |
| Time Schedule Order | Sections 13300, 13308 |

In addition, the San Diego Water Board may consider revising or rescinding applicable waste discharge requirements, if any, referring the matter to other resource agencies, referring the matter to the State Attorney General for injunctive relief, and referral to the municipal or District Attorney for criminal prosecution.

In the subject line of any response, please include the information located in the heading of this letter: "in reply refer to." Questions pertaining to this Notice of Violation should be directed to Wayne Chiu at (619) 521-3354 or wchiu@waterboards.ca.gov.



Eric S. Becker, P.E.
Senior Water Resource Control Engineer
Storm Water Management

ESB:wc

Attachments: Facility Inspection Report dated January 23, 2015

| Tech Staff Info & Use | |
|-----------------------|------------------------|
| Place ID | SM-819101 |
| WDID | 937C364581 |
| Inspection ID | 2024533 |
| Violation ID | 856030, 856031, 856032 |
| Enforcement ID | 417978 |

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - SAN DIEGO REGION
WATERSHED PROTECTION PROGRAM**

FACILITY INSPECTION REPORT

FACILITY: Harmony Grove Village **INSPECTION DATE/TIME:** 1/23/2015; 9:30 am

WDID/FILE NO.: 937C364581

REPRESENTATIVE(S) PRESENT DURING INSPECTION:

NAME: Wayne Chiu

AFFILIATION: San Diego Water Board

NAME: Jim Brockman

AFFILIATION: Standard Pacific Homes

Standard Pacific Corp
NAME OF OWNER, AGENCY OR PARTY RESPONSIBLE FOR DISCHARGE

Harmony Grove Village
FACILITY OR DEVELOPER NAME (if different from owner)

15360 Barranca Parkway
Irvine, CA 92618
OWNER MAILING ADDRESS

2900 Harmony Grove Road
Escondido, CA 92029
FACILITY ADDRESS

Peter Kiesecker, 949-789-1668
OWNER CONTACT NAME AND PHONE #

Same
FACILITY OR DEVELOPER CONTACT NAME AND PHONE #

APPLICABLE WATER QUALITY LICENSING REQUIREMENTS:

- | | |
|---|---|
| <input type="checkbox"/> MS4 URBAN RUNOFF REQUIREMENTS | <input type="checkbox"/> GENERAL OR INDIVIDUAL WASTE DISCHARGE REQUIREMENTS OR NPDES |
| <input checked="" type="checkbox"/> CONSTRUCTION GENERAL PERMIT | <input type="checkbox"/> GENERAL OR INDIVIDUAL WAIVER OF WASTE DISCHARGE REQUIREMENTS |
| <input type="checkbox"/> CALTRANS GENERAL PERMIT | <input type="checkbox"/> SECTION 401 WATER QUALITY CERTIFICATION |
| <input type="checkbox"/> INDUSTRIAL GENERAL PERMIT | <input type="checkbox"/> CWC SECTION 13264 |

INSPECTION TYPE (Check One):

- "A" TYPE COMPLIANCE--COMPREHENSIVE INSPECTION IN WHICH SAMPLES ARE TAKEN. (EPA TYPE S)
- "B" TYPE COMPLIANCE--A ROUTINE NONSAMPLING INSPECTION. (EPA TYPE C)
- NONCOMPLIANCE FOLLOW-UP--INSPECTION MADE TO VERIFY CORRECTION OF A PREVIOUSLY IDENTIFIED VIOLATION.
- ENFORCEMENT FOLLOW-UP--INSPECTION MADE TO VERIFY THAT CONDITIONS OF AN ENFORCEMENT ACTION ARE BEING MET.
- COMPLAINT--INSPECTION MADE IN RESPONSE TO A COMPLAINT.
- PRE-REQUIREMENT--INSPECTION MADE TO GATHER INFO. RELATIVE TO PREPARING, MODIFYING, OR RESCINDING REQUIREMENTS.
- NO EXPOSURE CERTIFICATION (NEC) - VERIFICATION THAT THERE IS NO EXPOSURE OF INDUSTRIAL ACTIVITIES TO STORM WATER.
- NOTICE OF TERMINATION REQUEST FOR INDUSTRIAL FACILITIES OR CONSTRUCTION SITES - VERIFICATION THAT THE FACILITY OR CONSTRUCTION SITE IS NOT SUBJECT TO PERMIT REQUIREMENTS.
- COMPLIANCE ASSISTANCE INSPECTION - OUTREACH INSPECTION DUE TO DISCHARGER'S REQUEST FOR COMPLIANCE ASSISTANCE.

INSPECTION FINDINGS:

Y WERE VIOLATIONS NOTED DURING THIS INSPECTION? (YES/NO/PENDING SAMPLE RESULTS)

Facility: Harmony Grove Village
Inspection Date: 1/23/2015

I. COMPLIANCE HISTORY / PURPOSE OF INSPECTION

On November 3, 2014, a Change of Information (COI) request for the site was submitted to the San Diego Water Board on Storm Water Multiple Application and Report Tracking System (SMARTS) to extend the construction completion date from October 30, 2014 to January 1, 2020. According to SMARTS, the site is as a Risk Level 2 construction site, approximately 495 acres in size, of which approximately 405 acres are to be disturbed.

A review of the site information revealed that the project mis-identified the Receiving Water Risk level as Low, though the site discharges indirectly to San Elijo Lagoon, which is a sediment impaired waterbody. On November 7, 2014, the COI was returned, and the discharger was directed to revise the Receiving Water Risk to High, which changes the project to a Risk Level 3, and to submit an updated SWPPP appropriate to the new risk level. As of January 23, 2015, a new COI had not yet been submitted and the project is operating past its certified construction completion date.

On January 23, 2015, Wayne Chiu of the San Diego Water Board performed an inspection of the Harmony Grove Village construction site for compliance with the requirements of the Statewide Construction General Storm Water Permit, Order No. 2009-0009-DWQ (CGP). The San Diego Water Board inspector met with Mr. Jim Brockman, the Land Construction Manager for the site. Mr. Brockman is also the Qualified SWPPP Practitioner (QSP) performing the weekly inspections. There was no precipitation during the inspection.

II. FINDINGS

1. The SWPPP documentation available on the site had the following deficiencies:
 - a) The SWPPP certification page was not signed by the Legally Responsible Person (LRP) listed in SMARTS, but was signed by Mr. Timothy Wellman identified as the Senior Project Manager.
 - b) The erosion control measures described in the SWPPP only included Scheduling and Wind Erosion BMPs, but the QSP and a wall map of the site indicated hydromulch and erosion control blankets are being used. The SWPPP did not include any documentation that the additional types of erosion control BMPs (i.e. hydromulch and erosion control blankets) should be implemented.
 - c) The wall maps showing the BMPs that are supposed to be deployed on the site did not accurately reflect the BMPs that were actually deployed on the site. Several areas that are supposed to have erosion and sediment control BMPs either did not actually have the BMPs, or the BMPs required maintenance or re-application to be effective.

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Inspection Date: 1/23/2015

- d) Weekly inspection reports were available for the last several months, but none of them indicated that the erosion controls were inadequate, required maintenance or re-application, or required additional implementation. None of the inspection reports indicated that the SWPPP should be amended to include erosion control BMPs (i.e. hydromulch or erosion control blankets) that had been implemented or were actually being implemented.
 - e) Records of weekly construction meetings, which include SWPPP related topics, available. No records of who attended the meetings and received the training. Training records do not provide enough information to determine if all persons responsible for implementing the requirements of the SWPPP received adequate training.
2. Several stockpiles observed without adequate containment (See Photos 1 and 2). Evidence of erosion and sediment transport from the stockpile observed during the inspection. All construction sites are required to contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.
 3. Lack of adequate designated concrete washout area observed on site. Observed concrete washout into a temporary container that had inadequate containment resulting in discharges to underlying soil and surrounding areas (See Photos 3 and 4). All construction sites are required to ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into underlying soil and onto the surrounding areas.
 4. Construction equipment and vehicles observed lacking appropriate BMPs (e.g. drip pans) to prevent oil, grease, or fuel to leak in to the ground, storm drains, or surface waters (See Photos 5 and 6). All construction sites are required to prevent oil, grease or fuel to leak in to the ground, storm drains, or surface waters, and to place all equipment and vehicles, which are to be fueled, maintained and stored in a designated area fitted with appropriate BMPs.
 5. Observed inadequate implementation of measures to control discharge of non-storm water runoff from a leaking hose to a storm drain inlet (See Photos 7 and 8). All construction sites are required to implement measures to control all non-storm water discharges during construction.
 6. Several areas were observed to be inactive, or could be scheduled to be inactive, without effective soil cover to control potential erosion. Several inactive slopes (See Photos 9 through 14) lacked effective soil cover, or had inadequately maintained soil cover for erosion control which resulted in at least one documented occurrence of an unauthorized discharge of sediment to waters of the state (See Photo 10). All construction sites are required to provide effective soil cover for inactive areas (i.e. areas that have been disturbed and not

Facility: Harmony Grove Village
Inspection Date: 1/23/2015

scheduled to be re-disturbed for at least 14 days) and all finished slopes, open space, utility backfill, and completed lots.

7. Active areas were observed to lack appropriate erosion control BMPs (runoff control and soil stabilization) to prevent erosion (See Photos 15 through 18). Risk Level 2 and 3 construction sites are required to implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active construction.
8. Several slopes throughout the site were observed to lack linear sediment controls along the toe and grade breaks of exposed slopes (See Photos 9 through 14). Risk Level 2 and 3 construction sites are required to apply linear sediment controls along the toe of the slope, face of the slopes, and at the grade breaks of exposed slopes to comply with sheet flow lengths given in Table 1 of Attachment D or E to the CGP.
9. A review of SMARTS on January 23, 2015 indicated that the Annual Report for 2013-2014 is past due. The 2013-2014 Annual Report was due September 1, 2014. All construction sites are required to prepare and electronically submit an Annual Report no later than September 1 of each year.

III. COMMENTS AND RECOMMENDATIONS

Comments

1. There is evidence that several good site management "housekeeping" BMPs are not being adequately implemented (See Findings 2 and 4). Temporary concrete washouts without containment are not acceptable.
2. There is evidence that the site is not adequately implementing measures to control all non-storm water discharges during construction (See Finding 5).
3. There is evidence that erosion controls are not being adequately implemented for several inactive and active areas (See Findings 6 and 7).
4. There is evidence that linear sediment controls are not being adequately implemented for several exposed slopes contributing to slope erosion (See Finding 8).
5. There was evidence observed during the inspection that the site has not implemented BMPs to meet BCT Technology Based Effluent Limitations (TBELs) under Section V.A.2 of the CGP, as required for all construction sites, which resulted in an unauthorized discharge of sediment from the site to receiving waters (See Findings 2 through 8).

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 Inspection Date: 1/23/2015

6. There is evidence that the QSP is not adequately identifying issues with good site management "housekeeping," non-storm water management, erosion control, and sediment control BMPs that need to be addressed to ensure the BMPs meet the BCT standard of Section V.A.2 of the CGP.
7. The QSP indicated that the storm drain inlets throughout the site discharge to a post-construction BMP basin. The SWPPP does not include a sedimentation basin as a sediment control BMP for the site. A follow up inspection for the post-construction BMP basins may be necessary to determine if they are designed to control sediment according to CASQA's Construction BMP Guidance Handbook.
8. Rill erosion on slopes and pads have not been repaired throughout the construction site.

Recommendations

1. Request status of COI and documentation to upgrade the site to Risk Level 3.
2. Issue a Notice of Violation for discharges of sediment from the site and failure to implement Risk Level 2 requirements of CGP.
3. Refer the site to the Compliance Assurance Unit to determine whether or not issuing formal enforcement action may be appropriate.

IV. SIGNATURE SECTION

Wayne Chiu
 STAFF INSPECTOR

Wayne Chiu
 SIGNATURE

1/23/2015
 INSPECTION DATE

Eric Becker
 REVIEWED BY SUPERVISOR

Eric S. Becker
 SIGNATURE

1/26/15
 DATE

SMARTS:

| Tech Staff Info & Use | |
|-----------------------|-----------------------------------|
| WDID | 937C364581 |
| Place ID | SM-819101 |
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| Violation ID | 865029, 856030, 856031, 856032 |

Facility: Harmony Grove Village
Inspection Date: 1/23/2015



Photo 1



Photo 2

Photos 1 and 2 show examples of soil stockpiles observed through the site without adequate cover or containment. Evidence of erosion and sediment transport along that base of the stockpile. Most stockpiles observed during inspection lacked available cover or containment.



Photo 3



Photo 4

Photos 3 and 4 show inadequate concrete washout management. Photo 3 shows concrete contractor washing chute into temporary concrete washout container constructed of cardboard lined with plastic without containment to protect underlying soil. Photo 4 shows temporary concrete washout container after concrete contractor departed, and the container appears to be failing and leaking concrete-laden water into underlying soil.

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Photo 5



Photo 6

Photos 5 and 6 show construction equipment and vehicles without appropriate BMPs (e.g. drip pans) to prevent oil, grease, or fuel to leak in to the ground, storm drains, or surface waters.



Photo 7



Photo 8

Photos 7 and 8 show lack of measures to control discharge of non-storm water runoff from a leaking hose to a storm drain inlet. Photo 7 shows hose with a leak at a coupling that should have been repaired, or placed on the other side of the silt fence to contain discharge. Photo 8 shows storm drain inlet where non-storm water runoff from leaking hose flows into storm drain inlet, with gravel bags moved to allow flow into inlet.

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Photo 9



Photo 10

Photos 9 and 10 show a slope that is part of the channel mitigation project required to be implemented by the site under Clean Water Act Section 404 and 401 requirements. Evidence of erosion and sediment transport can be seen in Photo 9 in the form of rills and sediment build-up behind fiber roll. Photo 10 shows evidence of sediment transported from slope shown in Photo 9 and discharged into the channel, which is an unauthorized discharge of sediment to receiving waters.

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Inspection Date: 1/23/2015



Photo 11



Photo 12



Photo 13



Photo 14

Photos 9 through 14 show several slopes observed to be inactive, or could be scheduled to be inactive throughout the site that lack effective soil cover, or inadequate maintenance of effective soil cover. Photos 9 through 14 also show lack of linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks.

Photo 11 shows a completed building pad with no evidence of effective soil cover and evidence of erosion on the slope adjacent to the pad. Photo 12 shows another slope with no evidence of effective soil cover and evidence of erosion. Photo 13 shows a slope with evidence of erosion where there is evidence hydromulch had been applied, but no longer effective due to inadequate maintenance or re-application. Photo 14 shows the slopes of a building pad where one slope is protected with an erosion control blanket, but the adjacent slope has no effective soil cover.

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Photo 15



Photo 16



Photo 17



Photo 18

Photos 15 through 18 show several areas observed to be active, or have signs or recent activity throughout the site that do not appear to have any appropriate runoff control and soil stabilization erosion control BMPs in conjunction with sediment control BMPs.