Chiu, Wayne@Waterboards

From:Chiu, Wayne@WaterboardsSent:Friday, January 22, 2016 9:24 AMTo:Ayaz Uddin (auddin@ohlusa.com)

Cc: Tracey Dickson <tdickson@ohlusa.com> (tdickson@ohlusa.com); Ali Sultanzai

(asultanzai@ohlusa.com); David Garcia; Bruckner, Scott (sebruckner@rcflood.org);

Walsh, Laurie@Waterboards; Becker, Eric@Waterboards; Clemente,

Chiara@Waterboards; Bostwick, Tiffany R SPL < tiffany.bostwick@usace.army.mil>

(tiffany.bostwick@usace.army.mil)

Subject: Notice of Violation No. R9-2016-0032 (WDID 933C374007; SM-839824)

Attachments: 2016-0121 Notice of Violation No. R9-2016-0032 COMPLETE.pdf

Mr. Uddin:

Please find attached Notice of Violation No. R9-2016-0032 issued to OHL USA, Inc. 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 12, 2016** with the following information:

- 1) A description of actions that have been implemented to correct the violations;
- 2) Documentation the demonstrates the violations have been corrected;
- 3) Date that each violation was corrected:
- 4) A description of actions that have been and will be implemented to prevent future violations; and
- 5) Documentation of the costs (e.g. labor, materials, services) incurred to correct the violations identified in the NOV.

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 email to my email address and SanDiego@waterboards.ca.gov. These electronic documents must be submitted 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-839824:wchiu.

Please respond to this email to confirm that you have received the NOV.

Feel free to contact me with any questions.

Thank you,

Wayne Chiu, PE

Water Resource Control Engineer Storm Water Management Unit California Regional Water Quality Control Board San Diego Region 2375 Northside Drive, Suite 100 San Diego, CA 92108 Direct Line: (619) 521-3354 Main Line: (619) 516-1990





California Regional Water Quality Control Board, San Diego Region

January 21, 2016

NOTICE OF VIOLATION No. R9-2016-0032

Avaz Uddin OHL USA, Inc. 1920 Main Street, Suite 310 Irvine, California 92614

OHL USA, Inc.

Murrieta Creek Construction Project PIN No. SM-839824

Violations of

Order No. 2009-0009-DWQ. **Construction General Permit**

OHL USA, INC. 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.

OHL USA, INC. 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 (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 Permit or another NPDES permit.

b. Observation: On January 7, 2016, the San Diego Water Board inspected the Murrieta Creek construction site (WDID 933C374007). OHL USA, Inc. is the Legally Responsible Person (LRP) enrolled under the Permit for the site. The San Diego Water Board inspectors observed sediment-laden storm water discharged from the site without implementation of adequate best management practices (BMPs). See attached January 7, 2016 Facility Inspection Report Photo 11.

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 7, 2016 inspection, the San Diego Water Board inspectors observed inadequate erosion controls and run-on and runoff controls required by the Permit, which directly lead to erosion and sedimentation that ultimately resulted in the discharge of sediment and sediment-laden storm water runoff from the site. The discharge was a result of the implementation of controls, structures, and BMPs that did not achieve BCT. See attached January 7, 2016 Facility Inspection Report Compliance History, Findings 1 through 8, and Attachments 1 through 4.
- 3. Failure to Implement Good Site Management "Housekeeping" 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 7, 2016 inspection, the San Diego Water Board inspectors observed stockpiles without adequate berm or containment. See attached January 7, 2016 Facility Inspection Report Photos 12 and 13.

4. 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 7, 2016 inspection, the San Diego Water Board inspectors observed several areas on the site that appeared inactive, or could have been scheduled to be inactive, without effective soil cover or other BMPs to prevent erosion. Evidence of erosion and sediment transport due to inadequate or ineffective erosion control measures for inactive areas was observed throughout the site during the inspection. See attached January 7, 2016 Facility Inspection Report Photos 1 through 11.
- 5. 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 7, 2016 inspection, the San Diego Water Board inspectors observed several areas on the site that may have been considered active without evidence of runoff control of soil stabilization BMPs implemented to prevent erosion prior to or during a storm event that began January 4, 2016 and was expected to continue to January 8, 2016. Evidence of erosion and sediment transport due to inadequate or ineffective erosion control measures for active areas was observed throughout the site during the inspection. Documentation for the site indicates that no erosion control BMPs were planned or prepared for implementation on active areas with the amended Storm Water Pollution Prevention Plan (SWPPP) submitted on October 30, 2015. See attached January 7, 2016 Facility Inspection Report Compliance History, Finding 2, Photos 1 through 11, and Attachment 4.
- 6. 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 (i.e. every 20 feet for 0-25% slopes, every 15 feet for 25-50% slopes, and every 10 feet for slopes over 50%).

HENRY ABARBANEL, CHAIR | DAVID GIBSON, EXECUTIVE OFFICER 2375 Northside Drive, Suite 100, San Diego, CA 92108 | (619) 516-1990 | www.waterboards.ca.gov/sandiego b. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed slopes throughout the site without linear sediment controls along the face and/or grade breaks of exposed slopes. See attached January 7, 2016 Facility Inspection Report Photos 1 through 11.

7. Failure to Implement Adequate Run-on and Runoff Controls:

- a. Pursuant to Provision X and Section F of Attachment D of State Water Board Order No. 2009-0009-DWQ: Risk Level 2 dischargers shall manage all run-on, all runoff within the site and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance with the effluent limitations of the Permit.
- b. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed a lack of effective controls for run-on to the site, a lack of effective controls for runoff within the site, and a lack of effective controls for runoff from the site. See attached January 7, 2016 Facility Inspection Report Photos 1 through 11.
- 8. Failure to Identify and Record BMPs That Need Maintenance to Operate Effectively, or That Have Failed, or Could Fail to Operate as Intended:
 - 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 7, 2016 inspection, the San Diego Water Board inspectors observed several BMPs throughout the site that were not implemented, required maintenance to operate effectively, that failed, or could fail to operate as intended. Documentation for the site indicates that the Qualified SWPPP Practitioner (QSP) conducting weekly inspections of BMPs failed to identify BMPs that were not implemented, required maintenance, failed, or failed to operate as intended. See attached January 29, 2015 Facility Inspection Report Finding 6 and Attachment 3.
- 9. Failure to Include Information in the SWPPP to Demonstrate Compliance with the Requirements of the Permit:
 - a. Pursuant to Provision XIV.B of State Water Board Order No. 2009-0009-DWQ: To demonstrate compliance with requirements of the Permit, the QSD shall include information in the SWPPP that supports the conclusions, selections, use, and maintenance of BMPs.



b. Observation: Following the January 7, 2016 inspection, the San Diego Water Board inspectors reviewed the amended SWPPP submitted by the discharger on October 30, 2016. The SWPPP does not include any erosion control BMPs that can provide effective soil cover for inactive areas, or temporary soil stabilization for active areas. See attached January 7, 2016 Facility Inspection Report Compliance History, Findings 1 and 2, and Comment 4.

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.

Laurie Walsh, P.E.

Senior Water Resource Control Engineer

Storm Water Management

LAW:wc

Attachments: Facility Inspection Report dated January 7, 2016

Tech S	Staff Info & Use
WDID	933C374007
Place ID	SM-839824
Inspection ID	2028089
Violation ID	859535, 859536, 859562
Enforcement ID	422349

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

FACILITY INSPECTION REPORT

FACILITY: Murrieta Creek	INSPECTION DATE/TIME: 1/07/2016; 10:00 am
WDID/FILE NO.: 933C374007	
REPRESENTATIVE(S) PRESENT DURING INSPECTION	ON:
NAME: Wayne Chiu	AFFILIATION: San Diego Water Board
NAME: Sandy Khounphet	AFFILIATION: San Diego Water Board
NAME: Mike Kelly (Site Superintendent)	AFFILIATION: OHL USA
NAME: Tracey Dickeson	AFFILIATION: OHL USA
NAME: Ali Sultanzai	AFFILIATION: OHL USA
OHL USA Inc. NAME OF OWNER, AGENCY OR PARTY RESPONSIBLE FOR DISCHARGE	USACE FACILITY OR DEVELOPER NAME (if different from owner)
1920 Main Street, Suite 310 Irvine, CA 92614 OWNER MAILING ADDRESS	2493 Pomona Rincon Ave Corona, CA 92880 FACILITY ADDRESS
Ayaz Uddin, 949-242-4432	Ismael Miranda, 951-898-6152 FACILITY OR DEVELOPER CONTACT NAME AND PHONE #
OWNER CONTACT NAME AND PHONE #	FACILITY OR DEVELOPER CONTACT NAME AND PHONE #
APPLICABLE WATER QUALITY LICENSING REQUIR	REMENTS:
□ CONSTRUCTION GENERAL PERMIT □ GENERAL OF	R INDIVIDUAL WASTE DISCHARGE REQUIREMENTS OR NPDES R INDIVIDUAL WAIVER OF WASTE DISCHARGE REQUIREMENTS WATER QUALITY CERTIFICATION IN 13264
INSPECTION TYPE (Check One):	
☐ "A" TYPE COMPLIANCECOMPREHENSIVE INSPECTION IN \	NHICH SAMPLES ARE TAKEN. (EPA TYPE S)
☐ "B" TYPE COMPLIANCEA ROUTINE NONSAMPLING INSPEC	CTION. (EPA TYPE C)
□ NONCOMPLIANCE FOLLOW-UPINSPECTION MADE TO VER	RIFY CORRECTION OF A PREVIOUSLY IDENTIFIED VIOLATION.
☐ ENFORCEMENT FOLLOW-UPINSPECTION MADE TO VERIF MET.	Y THAT CONDITIONS OF AN ENFORCEMENT ACTION ARE BEING
□ COMPLAINTINSPECTION MADE IN RESPONSE TO A COMP	LAINT.
PRE-REQUIREMENTINSPECTION MADE TO GATHER INFO. REQUIREMENTS.	RELATIVE TO PREPARING, MODIFYING, OR RESCINDING
NO EXPOSURE CERTIFICATION (NEC) - VERIFICATION THAT STORM WATER.	T THERE IS NO EXPOSURE OF INDUSTRIAL ACTIVITIES TO
☐ NOTICE OF TERMINATION REQUEST FOR INDUSTRIAL FACI FACILITY OR CONSTRUCTION SITE IS NOT SUBJECT TO	
☐ COMPLIANCE ASSISTANCE INSPECTION - OUTREACH INSP ASSISTANCE.	ECTION DUE TO DISCHARGER'S REQUEST FOR COMPLIANCE
INSPECTION FINDINGS:	
Y WERE VIOLATIONS NOTED DURING THIS INSPECTION	? (YES/NO/PENDING SAMPLE RESULTS)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION Page 2 of 10

Facility: Murrieta Creek Inspection Date: 1/7/2016

I. COMPLIANCE HISTORY / PURPOSE OF INSPECTION

On October 19, 2015, the San Diego Water Board received a complaint from a member of the public about construction and grading activities in Murrieta Creek. The complainant provided photos dated October 16, 2015 that showed a section of Murrieta Creek that had been completely graded and all vegetation removed with no obvious implementation of erosion or sediment control BMPs (see photos in Attachment 1). A review of the Storm Water Multiple Application & Report Tracking System (SMARTS) identified the Murrieta Creek construction site (WDID 9 33C374007) as the project matching the location described in the complaint, which is subject to the requirements of Order No. 2009-0009-DWQ, the Statewide Construction General Storm Water Permit (CGP). SMARTS indicates that the Murrieta Creek construction site is disturbing 20 acres; the owner and Legally Responsible Person (LRP) of the project is OHL USA, Inc (OHL); and the developer is the US Army Corps of Engineers (USACE). In addition, the project is subject to the requirements of 401 Water Quality Certification 03C-046 issued by the San Diego Water Board, which also requires compliance with the CGP during construction of the project.

When the complaint was received, according to SMARTS, the Murrieta Creek site was identified as a Risk Level 1. However, a review of the Storm Water Pollution Prevention Plan (SWPPP) available on SMARTS revealed that the Qualified SWPPP Developer (QSD) who prepared and certified the SWPPP did not accurately calculate the site's sediment risk. In addition, the SWPPP failed to include any erosion control BMPs that would be implemented to provide effective soil cover to inactive areas, as required for a Risk Level 1 construction site. On October 20, 2015, Wayne Chiu of the San Diego Water Board issued a staff enforcement letter (via email) to the Mr. Ayaz Uddin, the LRP contact listed is SMARTS, about the SWPPP deficiencies and BMP implementation deficiencies (see Attachment 1), with a request for additional information.

Mr. Uddin provided the requested information to Wayne Chiu on October 26, 2015 (see Attachment 2). An amended SWPPP with the accurate risk level calculations was uploaded to SMARTS on October 30, 2015 and approved by Tony Felix of the San Diego Water Board on the same day, making the site a Risk Level 2 construction site.

The amended SWPPP added Mr. Ayaz Uddin as a Qualified SWPPP Practitioner (QSP) for the project, and a QSP certificate valid from October 29, 2015 – October 29, 2017, meaning Mr. Uddin has completed the QSP training and passed the QSP certification exam. Mr. Uddin is a Certified Inspector of Sediment and Erosion Control (CISEC), which is the underlying certification of his QSP certification. According to the documentation provided on October 26, 2015, Mr. Uddin conducted inspections of the site on September 25, October 2, October 6, October 13, and October 21, 2015 and did not identify any areas that required implementation of erosion controls.

The response provided on October 26, 2015 indicated that the "Contractor will routinely maintain existing BMPs and add BMPs as needed throughout the life of the project."

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION Page 3 of 10

Facility: Murrieta Creek Inspection Date: 1/7/2016

Given Mr. Uddin's training and qualifications, the San Diego Water Board expected erosion control BMPs and linear control BMPs to be implemented as required for a Risk Level 2 construction site.

On, January 7, 2016, following multiple days of precipitation (January 4 through 6, 2016), that was predicted to continue (January 7 and 8), Wayne Chiu and Sandy Khounphet of the San Diego Water Board conducted an unscheduled inspection of the Murrieta Creek construction site for compliance with Risk Level 2 requirements in Attachment D to the CGP. San Diego Water Board inspectors walked the length of the site on publicly accessible areas until the site superintendent, Mr. Mike Kelly of OHL, was located. Mr. Tracey Dickeson and Mr. Ali Sultanzai of OHL were also present. Mr. Dickeson informed the San Diego Water Board inspectors that he had recently completed the training for the QSP certification. The San Diego Water Board inspectors informed OHL representatives of the deficiencies observed on the site, which are summarized below. After the inspection, the San Diego Water Board inspectors requested additional information and documentation, which was provided on January 15, 2016 (see Attachment 3).

II. FINDINGS

- 1. Risk Level 2 construction sites are required to provide effective soil cover for inactive areas (areas of construction activity that have not been disturbed and are not scheduled to be re-disturbed for at least 14 days) and all finished slopes, open space, utility backfill, and completed lots. San Diego Water Board inspectors observed several slopes that appeared to be inactive or could be scheduled to be inactive per the EC-1 Scheduling erosion control BMP included in the SWPPP (see Attachment 4). San Diego Water Board inspectors did not observe any evidence of erosion controls that provided effective soil cover on any slopes within the project boundaries. Evidence of significant rilling and sediment transport on several slopes that appeared to be inactive, or could be scheduled to be inactive, was observed, which was a clear indication that no erosion control BMPs had been implemented (see Photos 1 through 6). Mr. Kelly confirmed that most of the slopes along the project had not been worked on since before the holidays (i.e. December 25, 2015). Mr. Dickeson confirmed that no erosion control BMPs or effective soil cover could be observed on any of the slopes.
- 2. Risk Level 2 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. San Diego Water Board inspectors did not observe any evidence of appropriate erosion control BMPs that would stabilize disturbed and exposed soil areas that were potentially active (i.e. areas that had clear evidence of recent soil disturbance activities, or areas that appeared to be inactive that the site might claim to be active) to prevent erosion during the predicted storm event that had resulted in significant

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION

Facility: Murrieta Creek Inspection Date: 1/7/2016

precipitation on the previous three days (i.e. January 4-6) and expected to continue for the next two days (January 7 and 8) (see Photos 1-6).

Page 4 of 10

- 3. Risk Level 2 construction sites are required to 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 given in Table 1 of Attachment D to the CGP (i.e. every 20 feet for 0-25% slopes, every 15 feet for 25-50% slopes, and every 10 feet for slopes over 50%). San Diego Water Board inspectors did not observe any slopes within the site with linear sediment controls on the face of the slopes, or appropriate linear controls at the grade breaks of exposed slopes (see Photos 1 through 6).
- 4. Risk Level 2 construction sites are required to effectively manage all run-on, all runoff within the site and all runoff that discharges from the site. Risk Level 2 construction sites must direct run-on from off site away from all disturbed areas or the run-on that is discharged from the site must collectively be in compliance with the effluent limitations of the CGP (see Finding 8). San Diego Water Board inspectors observed inadequate implementation of controls to effectively manage all run-on to the site (Photos 7 through 9), all runoff within the site (Photos 1 through 11), and all runoff that discharges from the site (Photo 11). San Diego Water Board inspectors observed run-on from off site that was not directed away from disturbed areas (Photos 7 through 10), and contributed to discharges from the site that were not in compliance with the effluent limitations of the CGP (Photo 11).
- 5. Risk Level 2 construction sites are required to cover and berm loose stockpiled construction materials and contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used. San Diego Water Board inspectors observed at least one stockpile of loose construction material with an inadequate berm (see Photo 12), and at least one stockpile of waste material without adequate containment (Photo 13).
- 6. Risk Level 2 construction sites are required perform weekly inspection 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. Based on BMP inspection reports from January 5, January 6, and January 8, 2016 (see Attachment 3), the QSP did not identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended.
- 7. Risk Level 2 construction sites are required to collect storm water grab samples. At a minimum, 3 samples per day of a qualifying event are required. When the San Diego Water Board requested copies of the monitoring data collected, the discharger indicated no samples were collected due to hazardous conditions (see Attachment 3).

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION Page 5 of 10

Facility: Murrieta Creek Inspection Date: 1/7/2016

8. Risk Level 2 construction sites are required to comply with a narrative effluent standard, which requires the discharge to 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. Based on Findings 1 through 5, San Diego Water Board inspectors observed that the discharger failed to minimize or prevent pollutants in storm water discharges through the use of controls, structures, and management practices that achieve BCT for conventional pollutants (i.e. sediment and turbidity).

III. COMMENTS AND RECOMMENDATIONS

<u>Comments</u>

- There is evidence that sediment in storm water discharges from the site were not minimized or prevented through the implementation of controls, structures, and management practices that achieve BCT (see Finding 8), in violation of Section A.1.b of Attachment D to the CGP.
- 2. There is evidence that good site management "housekeeping" BMPs for stockpiles were not being adequately implemented (See Finding 5), in violation of Sections B.1.b and/or B.2.f of Attachment D to the CGP.
- There is evidence that effective soil cover was not adequately implemented for several slopes and areas throughout the site that appeared to be inactive or could be scheduled to be inactive (See Finding 1), in violation of Section D.2 of Attachment D to the CGP.
- 4. There is evidence that appropriate erosion control BMPs (runoff controls and soil stabilization) were not implemented in conjunction with sediment control BMPs for areas under active construction in preparation for the predicted storm event that began January 4, 2016 (see Finding 2), in violation of Section E.3 of Attachment D to the CGP. There is evidence that the discharger did not have any appropriate erosion control BMPs planned to be implemented since the discharger was informed of inadequate erosion control BMPs in the SWPPP on October 20, 2015, the discharger failed to include appropriate erosion control BMPs in the amended SWPPP submitted to SMARTS on October 30, 2015, and the QSP failed to recommend implementation of erosion control BMPs in BMP inspection reports between September 25, 2015 and January 8, 2016.
- 5. There is evidence that linear sediment controls were not adequately implemented for slopes throughout the site in preparation for the predicted storm event that

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION

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Facility:

Murrieta Creek

Inspection Date: 1/7/2016

began on January 4, 2016 (See Finding 3), in violation of Section E.4 of Attachment D to the CGP.

- 6. There is evidence that all run-on, all runoff within the site, and all runoff that discharges from the site were not effectively managed (see Finding 4), in violation of Section F of Attachment D to the CGP.
- 7. There is evidence that the QSP failed to identify and record erosion control, linear sediment control, and run-on and runoff control BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended (see Finding 6), in violation of Section G.2 of Attachment D to the CGP.
- 8. There is evidence that the discharger failed to collect storm water grab samples pursuant to Section I.4 of Attachment D to the CGP (see Finding 7). The discharger has not provided evidence that conditions were so hazardous that samples could not be collected.

Recommendations

- 1. Issue a Notice of Violation for unauthorized storm water discharges from the site and failure to implement Risk Level 2 requirements of the CGP.
- 2. 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

SIGNATURE

1/7/2016

INSPECTION DATE

Laurie Walsh

REVIEWED BY SUPERVISOR

SIGNATURE

DATE

SMARTS:

Tech Staf	f Info & Use
WDID	933C374007
Place ID	SM-839824
Inspection ID	2028089
Violation ID	859535, 859536,
	859562

Facility: Murrieta Creek Inspection Date: 1/7/2016



Photos 1 through 6 show examples of slopes throughout the site that lacked evidence of erosion control BMPs, appropriate linear sediment controls at the grade breaks and face of slopes. Photos 1 and 2 show linear, uncompacted, earthen berms without soil stabilization, which are subject to erosion. Photos 3 through 5 show evidence of significant rilling and sediment transport.

Facility: Murrieta Creek Inspection Date: 1/7/2016





Photo 7 Photo 8





Photo 9 Photo 10

Photos 7 through 10 show examples of areas where there was inadequate implementation of controls to manage run-on to the site and runoff within the site. Photo 7 shows the upstream boundary of the site where Murrieta Creek flows run-on to the site and there is no obvious evidence controls have been implemented to manage the run-on to the site. Photo 8 shows the opposite bank where gullies have formed as a result of run-on to the site and lack of controls to manage runoff within the site. Photo 9 shows a location where a tributary is flowing under a silt fence installed for perimeter control with no evidence of controls to manage the run-on and runoff through the site. Photo 10 is downstream of Photo 9 and shows the gully erosion that has been caused as a result of the lack of run-on controls and runoff controls within the site.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION

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Facility: Murrieta Creek Inspection Date: 1/7/2016



Photo 11

Photo 11 shows the downstream end of the site where this is evidence that there was an earthen berm that had been in place to manage runoff from the site. There is no evidence of any other runoff controls to manage storm water runoff discharges within the channel of the site, and from the site. Run-on to the site (as shown in Photos 7 through 11) was not directed away from disturbed areas, and contributed to discharges of sediment and sediment laden storm water runoff from the site that was not collectively in compliance with the effluent limitations of the CGP. Photo 11 also shows evidence of significant rilling and sediment transport to the receiving water, which is a clear indication that the site did not implement adequate erosion controls, run-on and runoff controls and sediment controls to prevent discharges of sediment and sediment-laden storm water runoff to the downstream receiving water. Photo 11 also shows that there have been significant impacts to the downstream vegetation and habitat as a result of inadequately managed run-on to the site and runoff from the site.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN DIEGO REGION

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Facility: Murrieta Creek Inspection Date: 1/7/2016





Photo 12 Photo 13

Photos 12 and 13 show stockpiles observed without adequate implementation of good housekeeping measures required for Risk Level 2 construction sites. Photo 12 shows loose stockpiled construction materials that are not actively being used without a berm that completely surrounds the stockpile. Photo 13 shows a waste material stockpile lacking measures to contain and securely protect the water material (i.e. scrap metal) from wind and rain at all times.

Attachment 1

to
January 7, 2016
Facility Inspection Report
for
Murrieta Creek Construction Site

Chiu, Wayne@Waterboards

From: Chiu, Wayne@Waterboards

Sent: Wednesday, October 21, 2015 11:16 AM

To: 'Ayaz Uddin'

Cc: 'Ismael Miranda'; 'Bostwick, Tiffany R SPL'; David Garcia; Becker, Eric@Waterboards;

Clemente, Chiara@Waterboards; Walsh, Laurie@Waterboards; Bradford,

Darren@Waterboards

Subject: WDID 933C374007 (Murrieta Creek): Insufficient SWPPP and BMP Implementation Attachments: IMG_20151016_134600.jpg; IMG_20151016_134541.jpg; IMG_20151016_133810.jpg

Mr Uddin:

You are listed as the Legally Responsible Person in the Storm Water Multiple Application and Report Tracking System (SMARTS) responsible for complying with the requirements of the Statewide Construction Storm Water Permit, Order No. 2009-0009-DWQ (CGP) for the Murrieta Creek construction project (WDID 9 33C374007). The San Diego Regional Water Quality Control Board (San Diego Water Board) was informed that your project recently began construction activities and is located in Murrieta Creek. We were also recently provided photos of the site (see attached).

I took some time to review the Storm Water Pollution Prevention Plan (SWPPP) available on SMARTS and found that it is does not include the information necessary to be in compliance with the requirements of the CGP for the following reasons:

- 1. The SWPPP shows a completion date of January 31, 2016 (cover page and Section 2.5). The schedule in Appendix F shows completion of the project is anticipated to be sometime in early to mid 2017. SMARTS shows a completion date of March 2017. The SWPPP is required to include the correct completion date and risk level determination based on the correct completion date.
- 2. There is no documentation in the SWPPP for the Risk Determination. Appendix A does not include any information for how the R, K, and LS factors were determined for the Sediment Risk. On SMARTS the Sediment Risk worksheet shows a R factor value of 5. However, based on the latitude and longitude of the project (33.487619, -11714674) and the start date (9/15/15) and completion date (3/17/17) given in SMARTS, the R factor is over 50. With a K factor of 0.37 and LS factor of 1.86, the Sediment Risk is a Medium Risk, which makes the project a Risk Level 2 construction site. The SWPPP is required to include the sediment risk calculations and the correct Risk Level.
- 3. Because the project is Risk Level 2, not Risk Level 1, the SWPPP is required to include all the information about BMPs that will be implemented in compliance with the requirements of Appendix D to the CGP, not Appendix C to the CGP.
- 4. Given this year is anticipated to be a very wet El Nino rainy season, and this project is starting in the rainy season, the QSD appears to have been extremely optimistic in his assessment of the erosion and runon/runoff controls needed to manage runoff to and from the site. In reviewing the BMPs that are proposed in the SWPPP (for a Risk Level 1 site for now), the erosion and runon/runoff control BMPs described in the SWPPP do not meet the requirements of Appendix C to the CGP. The BMPs described do not include the following:
 - a. There are no erosion control BMPs described in the SWPPP that will "provide effective soil cover for inactive areas and all finished slopes, open space, utility backfill, and completed lots," as required for Risk Level 1 and 2 sites. Scheduling, preservation of existing vegetation, and earth dike and drainage swales not effective soil cover for disturbed areas, which is the entire project site from what I could see in the plans and photos. Keeping the entire site active is not an erosion control BMP. For Risk Level 2 sites, there is also a requirement to "implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active [emphasis added] construction."

b. There is no description of runon and runoff controls in the SWPPP. Section 2.3 indicates that runon is anticipated to discharge into the creek at 16 identified locations, from an area estimated to be 100 acres at a runon rate of 46.2 cfs. Section 2.3 also indicates runon will be controlled with fiber rolls. This description does not appear to acknowledge that the creek section is near the bottom of Murrieta Creek, which has a drainage area of over 200 square miles, not just the 100 acres in the immediate vicinity of the site. None of the drawings in Appendix B show any controls or BMPs to manage runoff within the site, and the runon anticipated from offsite locations upstream do not appear to be adequately considered. A SWPPP is required to include a description of the controls that will be implemented to "effectively manage all run-on, all runoff within the site and all runoff that discharges off the site."

Based on the photos we received, it does not appear the project is even implementing what is in the current (albeit deficient) SWPPP. The photos do not show that there is any effort to schedule the disturbance of soil in a way that would limit the potential for erosion. The photos do not show that there has been any effort to preserve existing vegetation. The photos do not show any earthen dikes or drainage swales to prevent sheet flows to the slopes of the site to prevent erosion. Also, there is no evidence that perimeter sediment control BMPs have been implemented. The photos also confirm that there are no runon/runoff controls to manage runon to the site and runoff within the site. In its current state, if there is a rain event that results in flow in Murrieta Creek that can reach the confluence at the Santa Margarita River, this site will have a significant amount of runon which will result in a significant amount of sediment in runoff discharged from the site. That discharge will be considered any unauthorized discharge of sediment from the site.

These areas of noncompliance identified in the SWPPP, and lack of erosion control, sediment control, and runon/runoff control BMPs are considered violations of the requirements of the CGP. Each of these violations is subject to up to \$10,000 per day per violation. To bring your project into compliance, you will need to immediately implement BMPs required for a Risk Level 2 construction site, submit a Change of Information (COI) to SMARTS to correct the Risk Level, and submit an amended SWPPP that meet the requirements of Appendix D to the CGP.

Please send me the following information and documentation, or a date by which you can provide the information, by COB Monday, October 26, 2015:

- 1. Copies of the weekly BMP inspection reports from the beginning of the project to the most recent available.
- 2. A description of the BMPs that will be implemented on the site to address the deficiencies already identified in this email to comply with the BMP requirements for a Risk Level 2 construction site.
- 3. A schedule of when the BMPs will be implemented.
- 4. A schedule for when the SWPPP will be amended, and when the COI will be submitted.
- 5. Photo documentation of the BMPs after they have been implemented.

Let me know of you have any questions.

Thanks,

Wayne Chiu, PE
Water Resource Control Engineer
Storm Water Management Unit
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108
Direct Line: (619) 521-3354
Main Line: (619) 516-1990

2







Attachment 2

to
January 7, 2016
Facility Inspection Report
for
Murrieta Creek Construction Site

Chiu, Wayne@Waterboards

From: Ayaz Uddin <auddin@ohlusa.com>
Sent: Monday, October 26, 2015 4:41 PM

To: Chiu, Wayne@Waterboards

Cc: Ismael Miranda; Bostwick, Tiffany R SPL; David Garcia; Becker, Eric@Waterboards;

Clemente, Chiara@Waterboards; Walsh, Laurie@Waterboards; Bradford,

Darren@Waterboards: Gauer, Peter SPL: Jefferson, Harlan V SPL

Subject: RE: WDID 933C374007 (Murrieta Creek): Insufficient SWPPP and BMP Implementation

(Email 1 of 2)

Attachments: BMP Pictures.docx; Risk Assessment - Current.pdf; Risk Assessment - Revised.pdf;

Project Schedule - BMP installation and Maintenance.pdf

Mr. Chiu,

Below is a brief response to your concerns and comments. I have also included the documents you requested in your previous correspondence. Note that I will have to send the attachments in 2 emails due to the attachment size constraints:

- 1. Copies of the weekly BMP inspection reports from the beginning of the project to the most recent available. Please see attached weekly, pre-storm and post-storm SWPPP reports starting from week of September 21, 2015.
- 2. A description of the BMPs that will be implemented on the site to address the deficiencies already identified in this email to comply with the BMP requirements for a Risk Level 2 construction site.
 The current SWPPP already includes BMPs that have been implemented or will be implemented in the near future. Fiber rolls, silt fence, earth berms will primarily be used for run-on control along the top of creek banks. Installation of traditional sediment barrier BMPs within the creek bed itself would be improper. The project plans provide for construction of riprap barrier (both existing and proposed) as well as earthen berm at strategic points within and at the downstream end (project limit) of the active channel. Please reference the pictures included.
- 3. A schedule of when the BMPs will be implemented.
 - Project baseline schedule (BMP schedule on page 1) has been included for your review. Installation of initial BMPs such as construction entrances, perimeter control (as the creek clearing progresses), sediment control in the creek using earthen berms are being implemented. The initial BMP installation will continue for at least another 1-2 weeks. The Contractor will routinely maintain existing BMPs and add BMPs as needed throughout the life of the project.
- 4. A schedule for when the SWPPP will be amended, and when the COI will be submitted.

 Our goal is to submit the COI and amend the SWPPP by Thursday 10/29/15. For your review, I have included the Risk level assessment. As you outlined, the revised risk level is 2.
- 5. Photo documentation of the BMPs after they have been implemented.
 I have included a few of the project element pictures with BMPs that have already been implemented.

Should you have any questions, please don't hesitate to contact me directly.

Sincerely,

Ayaz Uddin



Irvine, CA 92614 Cell: (714) 328-5598 Tel: (949) 242-4457

From: Chiu, Wayne@Waterboards [mailto:Wayne.Chiu@waterboards.ca.gov]

Sent: Wednesday, October 21, 2015 11:17 AM

To: Ayaz Uddin

Cc: Ismael Miranda; Bostwick, Tiffany R SPL; David Garcia; Becker, Eric@Waterboards; Clemente, Chiara@Waterboards;

Walsh, Laurie@Waterboards; Bradford, Darren@Waterboards

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Let me know of you have any questions.

Thanks,

Wayne Chiu, PE

Water Resource Control Engineer Storm Water Management Unit California Regional Water Quality Control Board San Diego Region 2375 Northside Drive, Suite 100 San Diego, CA 92108

Direct Line: (619) 521-3354 Main Line: (619) 516-1990

BMP INSPECTION REPORT

Quarterly NS	₩eekly	☐ Pre-	Storm	During Rain	n Post-Storm
Panul General In	iolementoin il il				
Project Name/Address	S: MURRIET	A CREE	K P	HASE I	
	C37400-				
Construction stage / a		2442			
INSTALL	INITIAL	3/11PS - Co.	NSTRUC	TION ENT,	INLET PROTECTION
		PER,	4METE	R CONTROL	, CLEAR & GRUBB.
			1		".A
Project Risk Level or		1		Total Disturbed So	oil Area: <u>0 · i 5</u> acres
Photos: ☑Yes □	INO SE	Reference IDs: E ATTACHE	.D.	Current Inactive D	SA: <u>18-35 ()</u> acres
Inspection Date: 9/23/15	Tiı	ne: ໆ:ໜ Ar	1	Current Active DS	A: acres
		W.Sal	inem		
Beginning of current	storm:			ain gauge reading:	
Duration (hours):	N/A			ve rain for this ever	nt: N/A
Time since last storm Amount from last sto	n (days or hours): rm: <i>PROIEC</i> て S	FARTED ON		ge location: CHO CAL. 4	DUAZ- RA
Qualifying Rain Even	ut (> 0.5")?	<i>ا کرای≲را</i> • No If ves. s	<u>AMA</u> summarize	forecast:	
N/A					
	r • ·				,
.:	Step 10 Sept 20 Striken unmaken ny rombasel filalial		nangosaman dan sawasi	en gradenkaskokokokokokonikan kalinikan k	
Exemption Docu	<mark>imentatilon:</mark> (li) jours orduine da	inspection not (ngerous weather	omeluete Conditions	0). Visual inspect such as flooding o	tions are not required. r-electrical storms.
□ Rain event occ		OUTSING SECTION AND SECTION OF SECTION AND SECTION OF SECTION AND SECTION OF SECTION AND SECTION AND SECTION OF SECTION AND SE	Seamante constitution and	dethics research to the contract contract and assembly	a. Magaraga maga maga kalan magaman maga maga maga maga maga maga
☐ Dangerous cor	nditions on site:			p	
	ely heavy rainfa al storm (lightni		r)	N/A.	
		9)		•	
□ Other:	. ISSNE 439114 HENNELDIZONEN HEREINONESSON HUBEN				
		i i i ligi	ejej(oj);;; (
Name: HUMA	YUN. AZ	12		Title:	SP.
Signature:				Date: 9	28P. 123/15

Reviewed 10/26/15 by: Bruce Lokkesmoe, QSD #00049

Janlellen

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
Inventory of stored materials up to date.	N/A		
Inactive stockpiles covered and bermed.	NA)	
Chemicals stored in watertight containers with appropriate secondary containment	N/A)	
Construction materials protected from precipitation	N/A		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.			
Portable toilets contained.			
Portable toilets clean; no apparent leaks and spills.			
Material on hand to cover waste disposal containers.			
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	V		
Waste material protected from wind and rain.			
Procedures in place for both hazardous and non-hazardous spills.			
Appropriate spill response personnel assigned and trained.		SEE ENV. PLAN DN-SITE.	
Supplies for cleanup of spills available onsite.	V		
Washouts properly constructed and placed.	N/A		
Good Housekeeping - Vehicle Storage and Mainter	ance		
Measures to prevent oil, grease, or fuel from leaking.		NO EQUIPMENT FUELING IN	CREEK.
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.		NO LEAKS NOTICED.	
Good Housekeeping - Landscape Materials	T		
Stockpiled landscape materials contained and covered when not in use.	/		
Erodible landscape material not applied within 2 days before or during forecasted rain event.			
Erodible landscape materials applied per manufacturer.	N/A	·	
Bagged erodible materials on pallets and covered.			
Good Housekeeping - Air Deposition of Site Mater	ials		
Measures to control air deposition of site materials.	\ <u>'</u>	WATER TRUCK ON-SITE.	

Part II. BMP Observations	OK Corrective Action Needed Begun
Non-Stormwater Management	
Non-Stormwater discharges properly controlled.	
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	N/A.
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	
Erosion Controls	
Wind erosion controls effectively implemented.	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	refa
Use of plastic materials is limited where reasonable alternative exists.	N/A.
Sediment Controls Perimeter controls established and effective.	FIBER ROLLS PLACED AROUD DITCH
	V TOOL ROOM TOOLS
Entrances and exits stabilized.	
Sediment basins properly maintained.	
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A.
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	
Run-On and Run-Off Controls	
Run-on effectively managed and directed away from disturbed areas.	
Run-off effectively controlled.	EARTHED BERM CONSTRUCTED
and the state of t	JUST DOWN STREAM OF COLB AREA.
Other	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	
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Part III. BMP Deficiencies ar	nd Corrective Actions
	Repairs Implemented: Repairs must begin within 72 hours of
Deficiency	identification and be completed as soon as possible. Date
	Corrective Action Completed
1. ADD GRAVEL TO TC-1.	25 TONS OF ROCK (3") PLACED NADDITION 9/25/15 TO TRACK ONT PLATER & ROCK
2.	
3.	
4.	
5.	
6.	
7.	
8.	
	m Observations. Note the presence or absence of floating and loration, turbidity, odors, and source(s) of pollutants(s).
Do stormwater storage and containme	nt areas have adequate freeboard? If no, complete Part III. YES,
Are drainage areas free of spills, leaks,	or uncontrolled pollutant sources? If no, complete Part VII and describe below.
Notes: YES. NO FUELIA THE CREEK.	IG OR ANY MAINTANANCE IS ALLOWED IN
Are stormwater storage and containment	ent areas free of leaks? If no, complete Parts III and/or VII and describe below.
Notes: YES.	

Part V. Additional During Storm Observations. If BMPs could inclement weather, list the results of visual inspections at all relevant outfalls downstream locations. Note odors or visible sheen on the surface of discharge	s, discharge points, and
(Corrective Actions) as needed. Outfall, Discharge Point, or Other Downstream Location	
Location N/A NO FrowING WATER OBSERV Location	Description
N/A NO FLOWING WATER OBSERV	ED.
Location	Description
·	
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually observed discharge locations within two business days (48 hours) after each qualifying	e (inspect) stormwater
contained stormwater that discharged during or after a qualifying rain event	(> 1/2).
Discharge Location, Storage or Containment Area	Visual Observation
\mathcal{N}/A	
Part VII. Additional Corrective Actions Required. Identify add	ditional corrective actions not
included with BMP Deficiencies (Part III) above. Note if SWPPP change is	
Required Actions	Implementation Date
1/1	
N/A WORK HAS NOT COMMENCED	
YET. CLEAR & GRUBB SUB 15 POINEERI	Na
A RAMP TO ALCESS THE CREEK.	

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BMP INSPECTION REPORT

Quarterly NS	□Weekly	⊠ ,Pre-	-Storm	During Rai	in	☐ Post-	Storm
Part I. General In	formation						
Project Name/Address	s: MURRIE CA	1 CR	EEN	PHI			
WDID#: 9 33	C374007						
Construction stage / a	activities:		. 100		· .()	`	
	RUBB CREE		Urs	CAEFM	142	•	
INSTALLAT	TION OF B	smps					
						•	
Project Risk Level or				Total Disturbed S	oil Are	ea:	acres
Photos: □Yes ⊠	ÎNo Photo Refe	erence IDs:		Current Inactive D	DSA: _	$\mathcal{O}_{\mathcal{O}}$	acres
Inspection Date:	5/15 Time:	7:00 AN),	Current Active DS	3A:	1	acres
		;;;Wea	Cherry				
	storm: 9/27/15	5:00 AM		ain gauge reading:		N/A.	
Duration (hours):				ve rain for this eve	nt:	N/A	
Time since last storm Amount from last store			_	ge location:	مع جس.		
	nt (≥ 0.5")? □Yes ⊠	No If yes	summarize	RAILER SI	110	<u>^</u>	
Qualifying Rain Even	PREP 18	60%	JI TH	FORFOAST A	More	NOT ST	UPTO
	INEP O	00%	,0				
0. 2 INCHES							
Exemption Docu	umentation (if insp nours or during danger	ecilon net	conducte	ed). Visual inspec such as flooding o	ctions or elec	are not requi	red
Employed Code (SECOND E-PERSON NO. 12 THE SECOND SECOND	curred outside sche		ere industrial and an analysis	ALTER DATE OF THE PROPERTY OF THE PARTY OF T			
Dangerous cor	nditions on site:	duled Site	nouro (o	7 (101)			
☐ Extreme	ely heavy rainfall (>	1" per hou	ır)				
1	al storm (lightning)						į
☐ Flooding ☐ Other:	g						
L Other.		eanly s	ector				
Name: A-/A-2	UDDIN	THE STATE OF THE S		Title: Qc	- r	NONDER	r Qsf
Signature:	M			Date:	9/2	NONOGE, 5/15	

Reviewed by: Bruce Lokkesmoe, QSD #00049

Janlellen

Part II. BMP Observations	OK Corrective Action Needed Date Begun
Good Housekeeping - Construction Materials	
Inventory of stored materials up to date.	Ma
Inactive stockpiles covered and bermed.	N/A
Chemicals stored in watertight containers with appropriate secondary containment	N/A
Construction materials protected from precipitation	
BMPs for off-site tracking implemented and effective.	
Good Housekeeping - Waste Management	
Wash/rinse water not reaching storm drains.	
Portable toilets contained.	
Portable toilets clean; no apparent leaks and spills.	
Material on hand to cover waste disposal containers.	
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	
Waste material protected from wind and rain.	
Procedures in place for both hazardous and non-hazardous spills.	
Appropriate spill response personnel assigned and trained.	
Supplies for cleanup of spills available onsite.	\checkmark
Washouts properly constructed and placed.	NA
Good Housekeeping - Vehicle Storage and Mainter	nance
Measures to prevent oil, grease, or fuel from leaking.	
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	
Vehicle and equipment leaks cleaned immediately and disposed properly.	
Good Housekeeping - Landscape Materials	
Stockpiled landscape materials contained and covered when not in use.	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/A
Erodible landscape materials applied per manufacturer.	N/A
Bagged erodible materials on pallets and covered.	Mal
Good Housekeeping - Air Deposition of Site Mater	ials
Measures to control air deposition of site materials.	

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Part II. BMP Observations	ok	Corrective	Action Needed		ate gun
Non-Stormwater Management	1				
Non-Stormwater discharges properly controlled.					
Vehicles washed in a manner to prevent discharges	,)				
to surface waters or drainage systems. Streets cleaned in a manner to prevent unauthorized	WA				
non-stormwater discharges to drainage systems.					
Erosion Controls	T - 4				
Wind erosion controls effectively implemented.	A				
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.					
Use of plastic materials is limited where reasonable alternative exists.	<i>ι</i> ν				
			and a substitution of the		S (Millions Date of the advantage to the
Sediment Controls	1 1				4
Perimeter controls established and effective.		PLACE GRAVE	in Bags @	ENTRE E PREMETER	9/28/13
Entrances and exits stabilized.					
Sediment basins properly maintained.	NIA				
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A				
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)					
Run-On and Run-Off Controls			and the second second second		
Run-on effectively managed and directed away from disturbed areas.					
Run-off effectively controlled.	V.	EARTHEN BENEAU OF CLEAR	ed Alea To	O ATTHE 9	1/25/15 RUN-OFF
Other					
Project SWPPP / BMP plan up to date, on-site and properly implemented.	/				

Part III. BMP Deficiencies a	ng Corrective Actions
Deficiency	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.
	Corrective Action Date Completed
1. NONE.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
Part IV. Additional Pre-Sto suspended materials, sheen, disco	rm Observations. Note the presence or absence of floating and ploration, turbidity, odors, and source(s) of pollutants(s).
Do stormwater storage and containm	ent areas have adequate freeboard? If no, complete Part III. YES,
Are drainage areas free of spills, leak	s, or uncontrolled pollutant sources? If no, complete Part VII and describe below.
Notes: THE CLEARED I	AREA WAS CLEANED UP FROM EXISTING TRASI
A BERM WAS BUIL	I TO CONTROLL WATER FROM RUNNING OF
SITE.	
Are stormwater storage and containr	nent areas free of leaks? If no, complete Parts III and/or VII and describe below.
Notes:	
,	
YES,	

.

Part V. Additional During Storm Observations. If BMPs coul inclement weather, list the results of visual inspections at all relevant outfa	d not be inspected during
downstream locations. Note odors or visible sheen on the surface of disch	narges. Complete Part VII
(Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location Location	Description
FORECAST STORM FOR SUNDAY 3/27.	Becomplient
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually obser discharge locations within two business days (48 hours) after each qualify	ve (inspect) stormwater
contained stormwater that discharged during or after a qualifying rain eve	nt (> 1/2).
Discharge Location, Storage or Containment Area	Visual Observation
N/A	
·	
	·
	5 min 27 m
Part VII. Additional Corrective Actions Required. Identify a included with BMP Deficiencies (Part III) above. Note if SWPPP change.	dditional corrective actions not is required.
Required Actions	Implementation Date
Mone E.	

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BMP INSPECTION REPORT

Quarterly NS	₩vveekly	☑ Pre-Storm	During Rain	☐ Post-Storm
Panil General In	formation.			
Project Name/Addres	11101000101	A CREE	K PHI	
	33C37400	<u>4</u>		
Construction stage / a	activities:	0 0000	AT UPSTO	REAM END.
CLEA	trat uros	B. CREEK	smps of Ins	TAIL NEW
MAIN	TANANCE.	or exc. 13	2.(1112 042 1120	
BWE	, 7.			
			Total Disturbed Soil Ar	2 5 0000
Project Risk Level or		.1.		
Photos: □Yes □	INo Photo Refe	erence IDs:	Current Inactive DSA:	
Inspection Date:	Time:	9:00 Am	Current Active DSA:	2-5_acres
		Medicin.		
	storm: $10/4/15$		t rain gauge reading:	Ø.
Duration (hours):	36 HRS.		ative rain for this event:	Ø
Time since last storm Amount from last store		A Rain g	auge location:	ER,
	nt (≥ 0.5")? □Yes □	No If ves. summar	ize forecast:	
G. A. ICC 6	E RAIN W	PTO 70%	WITH FORECE	AST AMOUNTS
	.31NCHES.			
01 01 10.	* 3 /A C // O 3			
Exemption Docu	umentation (if inso nours or during canger	ection, not conclu ous weather concirc	Cted): Visual inspections his such as flooding or ele	are not required. ctrical storms.
Rain event occ	curred outside sche	duled site hours	6 AM - 3 PM)	
□ Dangerous cor	nditions on site:	4" nor hour)		
	ely heavy rainfall (> al storm (lightning)	r pernour)		
☐ Flooding	• •			
☐ Other:	anamananan makamatan da makamata			
Name: AA2	- UDPAL			. MANDGER. QSP
Signature:	Jull		Date: 10/	6/15
Reviewed 10/26/15 by	: Bruce Lokkesmoe, QS	D #00049	· penelle	Dun

Part II. BMP Observations	oĸ	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
Inventory of stored materials up to date.	N/A		
Inactive stockpiles covered and bermed.	MA		
Chemicals stored in watertight containers with appropriate secondary containment	NA		
Construction materials protected from precipitation	V		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.	/		
Portable toilets contained.	<u></u>		
Portable toilets clean; no apparent leaks and spills.	/		
Material on hand to cover waste disposal containers.	~		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/		
Waste material protected from wind and rain.	<u></u>		
Procedures in place for both hazardous and non-hazardous spills.	/		
Appropriate spill response personnel assigned and trained.	\		
Supplies for cleanup of spills available onsite.	<u> </u>		
Washouts properly constructed and placed.	/		
Good Housekeeping - Vehicle Storage and Mainter	iance		
Measures to prevent oil, grease, or fuel from leaking.	<u> </u>		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		į
Vehicle and equipment leaks cleaned immediately and disposed properly.	\ <u>\</u>		
Good Housekeeping - Landscape Materials			
Stockpiled landscape materials contained and covered when not in use.	N/A		
Erodible landscape material not applied within 2 days before or during forecasted rain event.	NI	1	
Erodible landscape materials applied per manufacturer.	MA		
Bagged erodible materials on pallets and covered.	Nf	t l	
Good Housekeeping - Air Deposition of Site Mater	ials		
Measures to control air deposition of site materials.	V	1	

теритерительного поставления в поменения в поменения в поменения в поменения в поменения в поменения в поменен В поменения в	
Part II. BMP Observations	OK Corrective Action Needed Date Begun
Non-Stormwater Management	
Non-Stormwater discharges properly controlled.	N/A
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	N/A.
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	
Erosion Controls	
Wind erosion controls effectively implemented.	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	
Use of plastic materials is limited where reasonable alternative exists.	
Sediment Controls	
Perimeter controls established and effective.	
Entrances and exits stabilized.	
	YES BERM AS PLACED TO CONTROL RUN-UFI
Sediment basins properly maintained.	YES BERN HS PLACES TO CONTROL RUN-U-1
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A.
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	
Run-On and Run-Off Controls	
Run-on effectively managed and directed away from disturbed areas.	SMALL EARTHEN BERMS PLACED ON TOP
Run-off effectively controlled.	CAG AREA TO CONTROLL RUNG-OFF
Other	Capa mean to seemed to provide
Project SWPPP / BMP plan up to date, on-site and properly implemented.	
·	

Part III. BMP Deficiencies ar	nd Corrective Actions
Deficiency	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.
	Corrective Action Date Completed
1. CHECK-DIAMS IN CLEARED AREAS OF CLEA	THE AREA SO FAR CLEARED HAS A FALL OF .23% W/ FLAT AREAS FOR WATER TO POND. I' TALL EARTHEN BERM ARE BUILT TO SLOW THE FLOW OF WITTER
2.	ARE BUILT TO SLOW THE FLOW OF WHEN
3. RUN-OFF CONTROL	END OF CHARCA AREA TO CONTROL 10/2/15 RUN-OFF.
4.	RUN-OFF.
5.	
6.	
7.	
8.	
	rm Observations. Note the presence or absence of floating and ploration, turbidity, odors, and source(s) of pollutants(s).
	ent areas have adequate freeboard? If no, complete Part III.
	s, or uncontrolled pollutant sources? If no, complete Part VII and describe below.
Notes: $ eg \mathcal{E} S $.	
Are stormwater storage and containm	nent areas free of leaks? If no, complete Parts III and/or VII and describe below.
Notes:	
YES	

Part V. Additional During Storm Observations. If BMPs could inclement weather, list the results of visual inspections at all relevant outfall downstream locations. Note odors or visible sheen on the surface of discharge (Corrective Actions) as needed.	s, discharge points, and
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
A/A.	
Location	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually observe	 e (inspect) stormwater
discharge locations within two business days (48 hours) after each qualifying	ng rain event, and stored or
contained stormwater that discharged during or after a qualifying rain even	
Discharge Location, Storage or Containment Area	Visual Observation
$\alpha C / \alpha$	
1-(1/4)	
Part VII. Additional Corrective Actions Required. Identify ad	ditional corrective actions not
included with BMP Deficiencies (Part III) above. Note if SWPPP change is	
Required Actions	Implementation Date
14/14	

BMP INSPECTION REPORT

Quarterly NS	☑Weekly	☐ Pre-	-Storm	☐ During Rain	☑ Post-Stor	m
Part II. General Informa	ilon.					
Project Name/Address:	MURRIET	A CR	EEK.	PH II.		
WDID#: 9 33C	374007	,				
Construction stage / activitie		_				
CLEA	r d ar	UBB				
Project Risk Level or LUP T	/pe:	1.		Total Disturbed Soil Ar	rea: <u>2,5 </u> acı	res
Photos: ☑Yes □No	Photo Refe	erence IDs:		Current Inactive DSA:	<u>Ø</u> acr	res
Inspection Date:	Time:	91001	Am.	Current Active DSA:	<u> </u>	es
		, Wes	(her.			
Beginning of current storm:	N/A			rain gauge reading:	.25".	
	HRS.	1 1 4 0		ive rain for this event:	. 25 "	
Time since last storm (days Amount from last storm:	or hours): 2	4 HES.	Rain gau	uge location: TKA1LE	R SITE.	l
Qualifying Rain Event (≥ 0.5	-	No If yes	summariz			
Qualifying Rain Event (2 0.3): LI 163 PZ	QIO II you,	Jammanz	0 10.0000		,
Exemption Document outside of business hours of	ation (if insp	ecilon not	conduct	ed). Visual inspections	are not required	
			Tial harman and an array of the state of	100000000000000000000000000000000000000		
		duled Site	nours (o	AW - 3 Pivi)		
□ Extremely her	avy rainfall (>	1" per hou	ır)			
☐ Electrical stor	m (lightning)				1	
☐ Flooding ☑ Other: &レパ	ery d mil	3000 Va	NTION	No From OF	10/5/15)	
A Other. 32A		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	ecion			
Name: AYA2	n/QQ/N	Δ	ickoznaria cela surves rogie	Title: Qc	MANAGER.	Qsp
Signature:				Data	10/1/15	

Reviewed 10/26/15 by: Bruce Lokkesmoe, QSD Reviewed 10/26/15 by: Bruce Lokkesmoe, QSD

Part II. BMP Observations	OK Corrective Action Needed Begun
Good Housekeeping - Construction Materials	
Inventory of stored materials up to date.	MA
Inactive stockpiles covered and bermed.	M/A
Chemicals stored in watertight containers with appropriate secondary containment	n/a
Construction materials protected from precipitation	
BMPs for off-site tracking implemented and effective.	
Good Housekeeping - Waste Management	
Wash/rinse water not reaching storm drains.	
Portable toilets contained.	
Portable toilets clean; no apparent leaks and spills.	
Material on hand to cover waste disposal containers.	
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	
Waste material protected from wind and rain.	
Procedures in place for both hazardous and non-hazardous spills.	
Appropriate spill response personnel assigned and trained.	
Supplies for cleanup of spills available onsite.	V
Washouts properly constructed and placed.	Na
Good Housekeeping - Vehicle Storage and Mainter	nance
Measures to prevent oil, grease, or fuel from leaking.	
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	
Vehicle and equipment leaks cleaned immediately and disposed properly.	
Good Housekeeping - Landscape Materials	
Stockpiled landscape materials contained and covered when not in use.	NA
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/A
Erodible landscape materials applied per manufacturer.	MA
Bagged erodible materials on pallets and covered.	rela
Good Housekeeping - Air Deposition of Site Mater	ials
Measures to control air deposition of site materials.	

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Part II. BMP Observations	OK Corrective Action Needed Date Begun
Non-Stormwater Management	
Non-Stormwater discharges properly controlled.	NA
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	NA
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	
Erosion Controls	
Wind erosion controls effectively implemented.	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	
Use of plastic materials is limited where reasonable alternative exists.	
Sediment Controls	
Perimeter controls established and effective.	
Entrances and exits stabilized.	V CLEAN TRACK-OUT PLATE
Sediment basins properly maintained.	M
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	
	· · · · · · · · · · · · · · · · · · ·
Run-On and Run-Off Controls	
Run-on effectively managed and directed away from disturbed areas.	
Run-off effectively controlled.	APPROX 12" OF STANDING WATER
	PONDED AGAINST THE EARTHER. BERM.
Other	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	
·	

Part III. BMP Deficiencies a	nd Corrective Actions	
	Repairs Implemented: Repairs must begin within 72 ho identification and be completed as soon as possible.	urs of
Deficiency	Corrective Action	Date Completed
1. PONDING WATER.	NO WORK PERMITTED IN PONDING WATER, WATER TO PERCULATE THRU GROWND PRIOR TO WORK COMMERCEMENT	10/7/15
2.		
3.		
4.		
5.		
3.		
7.		
8.		
	rm Observations. Note the presence or absence of flooloration, turbidity, odors, and source(s) of pollutants(s).	ating and
	ent areas have adequate freeboard? If no, complete Part III.	
	s, or uncontrolled pollutant sources? If no, complete Part VII and	describe below.
Notes: YEs,		
Are stormwater storage and containn	nent areas free of leaks? If no, complete Parts III and/or VII and o	lescribe below.
Notes:		
YES.		

Outfall, Discharge Point, or Other Downstream Location. Location Discharge NoticeD. Description Description Description Description Description Location Description Description Description Description Description Description Description Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event. (> 1/2) Discharge Location, Storage or Containment Area Visual Observation Visual Obs	Part V. Additional During Storm Observations. If BMPs could inclement weather, list the results of visual inspections at all relevant outfall downstream locations. Note odors or visible sheen on the surface of discharge (Corrective Actions) as needed.	s, discharge points, and
Location Description Description Description Description Description Description Description Description Description Part VI. Additional Post-Storm Observations: Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> 1/2) Discharge Location, Storage or Containment Area Visual Observation If WAS OBSERVED ON 10 5 AND 10/6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRING. A VERY SMALL CONCENTRATION, THE WATER FLOWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROXECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Outfall, Discharge Point, or Other Downstream Location	
Location Description Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> ½). Discharge Location, Storage or Containment Area Visual Observation Visual Observation Visual Observation THE WATER FLOWING FROM USTREAM WAS CARRING. A VERY SMALL CONCENTRATION THE SHE FLOWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROPERT CLEARED REAL. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Location	Description
Location Description Description Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (>½). Discharge Location, Storage or Containment Area Wisual Observation IT WAS OBSERVED ON 10 S AND 10 S THAT THE WATER FLOWING FROM UPSTREAM WAS CARRING. A VERY SMALL CONCENTRATION THE SEPTOWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	NO DISCHARGE NOTICED.	
Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> ½). Discharge Location, Storage or Containment Area Visual Observation If who observed on 10 /s and 10/6 that the water Flowling From Upstream was carring A Very Small concentration. The water Flowling From Upstream was carring Water Finally Ponded Arainst the Rundoff Control Berm at the END of the Product CHARCA AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Location	Description
Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> ½). Discharge Location, Storage or Containment Area Visual Observation If who observed on 10 /s and 10/6 that the water Flowling From Upstream was carring A Very Small concentration. The water Flowling From Upstream was carring Water Finally Ponded Arainst the Rundoff Control Berm at the END of the Product CHARCA AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	•	·
Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event. (> ½). Discharge Location, Storage or Containment Area Visual Observation IF WAS OBSERVED ON 10 S AND 10 6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRYING. A VERY SMALL CONCENTRATION, THE SAFEDWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Location	Description
Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event. (> ½). Discharge Location, Storage or Containment Area Visual Observation IF WAS OBSERVED ON 10 S AND 10 6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRYING. A VERY SMALL CONCENTRATION, THE SAFEDWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> ½). Discharge Location, Storage or Containment Area Wisual Observation If was observed on 10 5 and 10 6 that the water Flowing From Upstream was carring. A very small concentration, the water flowing water financy Ponded Against the Run-off Control Berm at the END of the Provent Cleared Area. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Location	Description
discharge locations within two business days (48 hours) after each qualifying rain event, and stored or contained stormwater that discharged during or after a qualifying rain event (> ½). Discharge Location, Storage or Containment Area Wisual Observation If was observed on 10 5 and 10 6 that the water Flowing From Upstream was carring. A very small concentration, the water flowing water financy Ponded Against the Run-off Control Berm at the END of the Provent Cleared Area. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
Discharge Location, Storage or Containment Area Wisual Observation IF WAS OBSERVED ON 10 15 AND 10/6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRYING A VERY SMALL CONCENTRATION. THE WATER FLOWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
IT WAS OBSERVED ON 10 /5 AND 10/6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRYING. A VERY SMALL CONCENTRATION. THE BAR FLOWING WATER. FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
IT WAS OBSERVED ON 10 /5 AND 10/6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRYING. A VERY SMALL CONCENTRATION. THE BAR FLOWING WATER. FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Discharge Location, Storage or Gootainment Area	Visual Observation
WATER FLOWING FROM UPSTREAM WAS CARRING A VERY SMALL CONCENTRATION, THE SAM FLOWING WATER, FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required, Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
A VERY SMALL CONCENTRATION, THE STR FLOWING WATER. FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	IT WAS OBSERVED ON 10/5 AND 10/6 THAT THE	
WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJECT CLEARED AREA. Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	A VERY SMALL CONCENTRATION, THE HAR FLOWING	
Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	WATER FINALLY PONDED AGAINST THE RUN-OFF	
Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	TO THE STATE OF TH	
included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.		
included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	Part VII. Additional Corrective Actions Required. Identify ad	ditional corrective actions not
Required Actions Implementation Date		
N/A.	Required Actions	Implementation Date
NA		
•	N/A	
	(

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BMP INSPECTION REPORT

Quarterly NS	⊠Weel	kly 🔲 Pre	-Storm	☐ During Rain	☐ Post-Storm
Paritik@eneralin	omellor				
Project Name/Address	: MURRI	ETA CRE	EK_	PH I	
WDID #:	33C3-	14007	!		
Construction stage / a		•			
	4 arv		. •		
		CONSTRUCTION (INVER		10 5 2)	
CREEK	- C(* C*) V	THE COURT OF THE C		· · · · · · · · · · · · · · · · · · ·	
Project Risk Level or I	LUP Type:	1		Total Disturbed Soil Ar	ea: 6 acres
Photos: ⊠Yes □	l na	oto Reference IDs:		Current Inactive DSA:	Oacres
Inancation Data:	3/15	Time:	м.	Current Active DSA:	acres
		######################################	(internal)		
Beginning of current s Duration (hours):	storm:	4.	l .	rain gauge reading: ive rain for this event:	Ø.
Time since last storm	, , , , , , , , , , , , , , , , , , ,		ļ	uge location:	
Amount from last storn		on B DH13.	J	TRAILER	,
Qualifying Rain Even	t (≥ 0.5")? □	Yes 🖾 No If yes,	summariz	e forecast:	
·					
	Im entado n Duksokouhin	((MINSIDE OUDINATION Maancerous (Weather	recinfolder recinfolder	ed). Visual inspections s such as flooding or ele	are not required
☐ Rain event occ		Mark Control of the C	READER AND READER OF THE ABOVE	total and comment the section of the	AZALDA ORAS ATALIANS ALSA ORAS ERRORIS
☐ Dangerous cor	nditions on s	site:		•	
	ely heavy rai al storm (ligh	nfall (> 1" per ho	ur)		
		iumig/			
□ Other:					VERDES AND THE RESERVE OF THE PARTY PROPERTY OF THE PARTY
	1	i i i i i i i i i i i i i i i i i i i	peeior.		
Name: AYA	2 UNB	12		Title: Oc	MANAGER DO
Signature:				Date: 10	13/15
(/)					7

Reviewed 10/26/15 by Bruce Lokkesmoe, QSD #00049

Reviewed 10/26/15 by Bruce Lokkesmoe, QSD #00049

Part II. BMP Observations	oĸ	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
Inventory of stored materials up to date.	MA		
Inactive stockpiles covered and bermed.	MA		
Chemicals stored in watertight containers with appropriate secondary containment	NA		:
Construction materials protected from precipitation	V		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.			
Portable toilets contained.	~		
Portable toilets clean; no apparent leaks and spills.	V		
Material on hand to cover waste disposal containers.	/		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/		
Waste material protected from wind and rain.	,		
Procedures in place for both hazardous and non-hazardous spills.	,/		
Appropriate spill response personnel assigned and trained.	/		
Supplies for cleanup of spills available onsite.	/		
Washouts properly constructed and placed.	NA		
Good Housekeeping - Vehicle Storage and Mainter	nance		
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.	/		
Good Housekeeping - Landscape Materials	.		
Stockpiled landscape materials contained and covered when not in use.	NA	r	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	NA		
Erodible landscape materials applied per manufacturer.	NA		
Bagged erodible materials on pallets and covered.	14	The second state of the second state of the second	
Good Housekeeping - Air Deposition of Site Mater	ials		
Measures to control air deposition of site materials.	/		

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Part II. BMP Observations	OK Corrective Action Needed Date Begun
Non-Stormwater Management	
Non-Stormwater discharges properly controlled.	
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	
Erosion Controls	
Wind erosion controls effectively implemented.	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	
Use of plastic materials is limited where reasonable alternative exists.	
Sediment Controls	
Perimeter controls established and effective.	
Entrances and exits stabilized.	
Sediment basins properly maintained.	
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	
Run-On and Run-Off Controls	
Run-on effectively managed and directed away from disturbed areas.	
Run-off effectively controlled.	
Other	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	

eficiency	Repairs Implemented: Repairs must begin within 7 identification and be completed as soon as possible	72 hours of
	Corrective Action	Date Completed
Nove		
3.		
Part IV. Additional Pre-Stouspended materials, sheen, dis	orm Observations. Note the presence or absence coloration, turbidity, odors, and source(s) of pollutants(s	of floating and
	ment areas have adequate freeboard? If no, complete Part II	
Are drainage areas free of spills, lea Notes: Mo NE.	ks, or uncontrolled pollutant sources? If no, complete Part VI	I and describe below.
	nment areas free of leaks? If no, complete Parts III and/or VII	and describe below.
Notes:		

,

Part V. Additional During Storm Observations. If BMPs could inclement weather, list the results of visual inspections at all relevant outfalls downstream locations. Note odors or visible sheen on the surface of discha (Corrective Actions) as needed.	, discharge points, and
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
N/A.	D defe
Location	Description
	Description
Location	Description
Location	Description
Location	
Part VI. Additional Post-Storm Observations. Visually observe	(inspect) stormwater
discharge locations within two business days (48 hours) after each qualifying contained stormwater that discharged during or after a qualifying rain event	g rain event, and stored or
Discharge Location, Storage or Containment Area	Visual Observation
AL/A	·
79,6	
Part VII. Additional Corrective Actions Required. Identify add	ditional corrective actions not
included with BMP Deficiencies (Part III) above. Note if SWPPP change is	Implementation Date
Required Actions	
N/A	

• '

BMP INSPECTION REPORT

Quarterly NS	₩eekly	☐ Pre-S	torm	During Rain	☐ Post-Storm
Panyl General In	formation:				
Project Name/Addres	S: MURRIET	TA CA	2EEK	PH II	., .
	33037400	7.			<u></u>
Construction stage / a					
	e a grubb				
EMBA	IKMENT CO PROTECTI	MS IRUCT	RAP P	LACEMENT)	
SLUTZ	, TRUTCE TT			7.	
Project Risk Level or	LUP Type:	 {_		Total Disturbed Soil Ar	rea: <u>7-5</u> acres
Photos: XYes C	Dhoto Dofo	erence IDs:		Current Inactive DSA:	O· acres
Inspection Date:	Time:	91.00 Ar	М	Current Active DSA: _	7.5 acres
		. Weati	STREET,		
Beginning of current	storm:			ain gauge reading:	Ø.
Duration (hours):	N/A		,	ve rain for this event:	
Time since last storm Amount from last sto		0445	Rain gau	ge location: TRAILEA	۷.
Qualifying Rain Event (≥ 0.5")? □Yes ☒ No If yes, summarize forecast:					
Qualifying Rain Event (2 0.0): 2100 A., 100 m. yes, emineral					
·					
			0721132044344		
louiside of lousiness	umentation (if inso hours or during canger	ous weather c	oncirions	such as ilooding on ele	are not required ourical storms.
☐ Rain event occ	curred outside sche	eduled site h	ours (6	AM – 3 PM)	
☐ Dangerous co	nditions on site: ely heavy rainfall (>	1" ner hour)		
☐ Electric	al storm (lightning)	1 por nour	,		
☐ Floodin					
□ Other:		inspe			
				Title: (C)	
Name: MA2	- UDAIN.			THE GO NA	NAGER. USP.
Signature:				Date:	NAGER. QSP.
Reviewed 10/26/15 by	y: Bruce Lokkesmoe, QS	SD #00049	e. 6	Janlillen	\

Pant II. BMP Observations	ok	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials)		Бедин
Inventory of stored materials up to date.	N/A		
Inactive stockpiles covered and bermed.	1		
Chemicals stored in watertight containers with appropriate secondary containment	NJA. NJA.		:
Construction materials protected from precipitation	./		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.	~		
Portable toilets contained.	/		
Portable toilets clean; no apparent leaks and spills.	/		
Material on hand to cover waste disposal containers.	V		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	~		
Waste material protected from wind and rain.	V		
Procedures in place for both hazardous and non-hazardous spills.	V		
Appropriate spill response personnel assigned and trained.	~		
Supplies for cleanup of spills available onsite.	V		
Washouts properly constructed and placed.	NA		
Good Housekeeping - Vehicle Storage and Mainter	iance		
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.			
Vehicle and equipment leaks cleaned immediately and disposed properly.	~		
Good Housekeeping - Landscape Materials			
Stockpiled landscape materials contained and covered when not in use.	NA	+	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	11/1	1	
Erodible landscape materials applied per manufacturer.	MA	r	
Bagged erodible materials on pallets and covered.	NA		ning ang the same and the same
Good Housekeeping - Air Deposition of Site Mater	ials		
Measures to control air deposition of site materials.	\ <u>\</u>		

•)

Part II. BMP Observations	OK Corrective Action Needed Begun
Non-Stormwater Management Non-Stormwater discharges properly controlled.	
Vehicles washed in a manner to prevent discharges	N/A.
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	/////
Hori dominate. Classic get to a same go ty	The state of the s
Erosion Controls	
Wind erosion controls effectively implemented.	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	NIA
Use of plastic materials is limited where reasonable alternative exists.	
Sediment Controls	
Perimeter controls established and effective.	ADDITIONAL SILT FENCE OF F.R. 10/38/15
Entrances and exits stabilized.	
Sediment basins properly maintained.	NA
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	
Run-On and Run-Off Controls	
Run-on effectively managed and directed away from disturbed areas.	SILT FENCE, EARTHEN BERMS, FOR TO BE INSTALLED, MONGETA SLOPES 10/28/
Run-off effectively controlled.	DOWN STREAM END OF PROJECT
	DOWN STREAM END OF PROJECT
Other	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	

Part III. BMP Deficiencies a	nd Corrective Actions	
	Repairs Implemented: Repairs must begin within 72 identification and be completed as soon as possible.	hours of
Deficiency	Corrective Action	Date Completed
EAST SIL 1. ROW-ON CONTROL.	LISTALL SILT FENCE/FIBER ROLL AT TOP OF SLOPES. (MAIN ST TO PROJECT	CURRENTLY ON-GOING, LIMIT.
2.		
3.	·	
4.		
5.	·	
6.		
7.		
8.		
suspended materials, sheen, disc	rm Observations. Note the presence or absence of obsence of obsence of obsence of obsence of obsence of obsence of pollutants(s). The determinant of the observation of pollutants observations of pollutants observations.	
	s, or uncontrolled pollutant sources? If no, complete Part VII a	
Notes:	·	
Are stormwater storage and contain	ment areas free of leaks? If no, complete Parts III and/or VII a	nd describe below.
Notes:		

± ...

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Part V. Additional During Storm Observations. If BMPs could inclement weather, list the results of visual inspections at all relevant outfal downstream locations. Note odors or visible sheen on the surface of disch (Corrective Actions) as needed.	s, discharge points, alle
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
·	
Location	Description
Location	Description
To Version and the Control of the Co	
Part VI. Additional Post-Storm Observations. Visually observations within two business days (48 hours) after each qualify.	e (inspect) stormwater ng rain event, and stored or
contained stormwater that discharged during or after a qualifying rainever	(× ½).
Discharge Location, Storage or Containment Area	Visual Observation
·	
Part VII. Additional Corrective Actions Required. Identify at	dditional corrective actions not
included with BMP Deficiencies (Part III) above. Note if SWPPP charge.	s required
Required Actions	Implementation Date
Here a Marijan Para and American Americ	

• '

Murrieta Creek, Phase 2 USACE Project No. W912PL-15-C-0002

Legally Responsible Person [LRP]:
U.S. Army Corps of Engineers, Los Angeles District
915 Wilshire Boulevard, Suite 930
Los Angeles, California 90017-3401
Attn: Contracting Division CESPL-CT-W
213-452-3308

Approved Signatory:
Ayaz Uddin, Contractor Quality Control Manager
OHL USA, Inc.
1920 Main Street, Suite 310, Irvine, CA 92614
949-242-4432

<u>Project Site Address</u>

Murrieta Creek, in the City of Temecula, San Diego County, CA

Prepared for:
OHL USA
1920 Main Street, Suite 310
Irvine, CA 92614
Ayaz Uddin, Contractor Quality Control Manager
949-242-4432 (Office)

Prepared by:
Global Environmental Network, Inc.
P.O. Box 8068
Fountain Valley, CA 92728
714-479-1199 (office)

<u>Date</u> October 22, 2015

1) Sediment Risk Level Determination

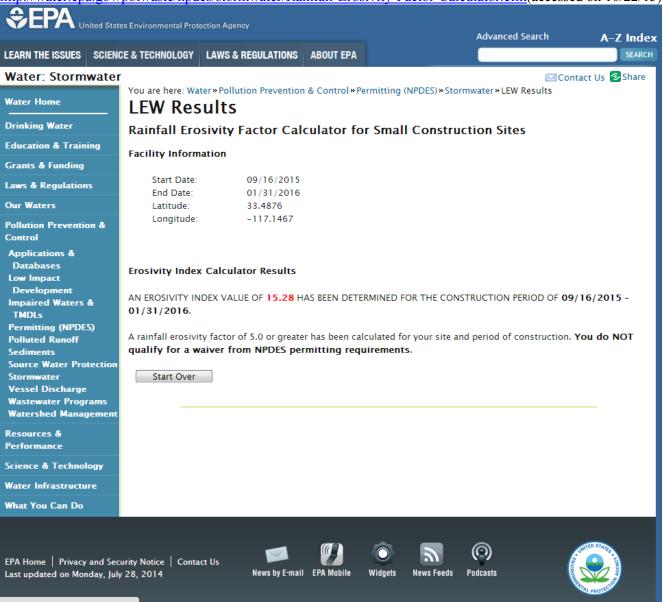
- Based on Revised Universal Soil Loss Equation (RUSLE)
- Soil loss (tons/acre/year) = $R \cdot K \cdot L \cdot S \cdot C \cdot P$

 $R = rainfall \ erosivity$; $K = soil \ erodibility$; $L = length \ of \ slope$; S = slope; C = cover; and P = practices The C and P factors are given values of 1.0 to simulate bare ground conditions.

Rainfall Erosivity (R) Factor:

An erosivity (R) factor of **15.28** was determined for the area of work for the construction period from September 16, 2015 to January 31, 2016 by using USEPA "Rainfall Erosivity Factor Calculator for Small Construction Sites" available at:

http://water.epa.gov/polwaste/npdes/stormwater/Rainfall-Erosivity-Factor-Calculator.cfm(accessed on 10/22/15)



Soil Erodibility (K) Factor:

Erodibility (K) Factor of 0.37 was determined from State Water Resource Control Board ftp site, ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE_K_Factor, accessed on 10/22/15, see figure below:





Slope (LS) Factor:

Slope Factor of 1.86 for project area was determined from State Water Resource Control Board ftp site, ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE_LS_Factor, accessed on 10/22/15, see figure below:



No scale



Sediment Risk Factor Worksheet

Entry

A) R Factor

Analyses of data indicated that when factors other than rainfall are held constant, soil loss is directly proportional to a rainfall factor composed of total storm kinetic energy (E) times the maximum 30-min intensity (I30) (Wischmeier and Smith, 1958). The numerical value of R is the average annual sum of EI30 for storm events during a rainfall record of at least 22 years. "Isoerodent" maps were developed based on R values calculated for more than 1000 locations in the Western U.S. Refer to the link below to determine the R factor for the project site.

http://water.epa.gov/polwaste/npdes/stormwater/Rainfall-Erosivity-Factor-Calculator.cfm

R Factor Value

15.18

B) K Factor (weighted average, by area, for all site soils)

The soil-erodibility factor K represents: (1) susceptibility of soil or surface material to erosion, (2) transportability of the sediment, and (3) the amount and rate of runoff given a particular rainfall input, as measured under a standard condition. Fine-textured soils that are high in clay have low K values (about 0.05 to 0.15) because the particles are resistant to detachment. Coarse-textured soils, such as sandy soils, also have low K values (about 0.05 to 0.2) because of high infiltration resulting in low runoff even though these particles are easily detached. Medium-textured soils, such as a silt loam, have moderate K values (about 0.25 to 0.45) because they are moderately susceptible to particle detachment and they produce runoff at moderate rates. Soils having a high silt content are especially susceptible to erosion and have high K values, which can exceed 0.45 and can be as large as 0.65. Silt-size particles are easily detached and tend to crust, producing high rates and large volumes of runoff. Use Site-specific data must be submitted.

ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE_K_Factor

K Factor Value

0.37

C) LS Factor (weighted average, by area, for all slopes)

The effect of topography on erosion is accounted for by the LS factor, which combines the effects of a hillslope-length factor, L, and a hillslope-gradient factor, S. Generally speaking, as hillslope length and/or hillslope gradient increase, soil loss increases. As hillslope length increases, total soil loss and soil loss per unit area increase due to the progressive accumulation of runoff in the downslope direction. As the hillslope gradient increases, the velocity and erosivity of runoff increases. Use the LS table located in separate tab of this spreadsheet to determine LS factors. Estimate the weighted LS for the site prior to construction.

ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE LS Factor,

LS Factor Value

1.86

Watershed Erosion Estimate (=RxKxLS) in tons/acre 10.44	Wat
Site Sediment Risk Factor	
Low Sediment Risk: < 15 tons/acre	
Medium Sediment Risk: >=15 and <75 tons/acre	
High Sediment Risk: >= 75 tons/acre	

Watershed erosion estimate (RxKxLS) is **10.44** [tons/acre], based on the above R, K and LS factors. **Sediment Risk Factor for this project is** <u>Low</u>.

2. Receiving Water Risk Determination

Receiving water risk is determined by the following assessment factors:

- the most recent 303d list for waterbodies impaired for sediment;
- has a USEPA-approved Total Maximum Daily Load implementation plan for sediment; or
- has the beneficial uses of COLD, SPAWN, and MIGRATORY

This project lies within:

Hydrologic Unit – Santa Margarita

Hydrologic Area – Murrieta

Hydrologic Sub-Area Name – Undefined

Hydrologic Sub-Area Number - #902.32

Watershed - Murrieta Creek

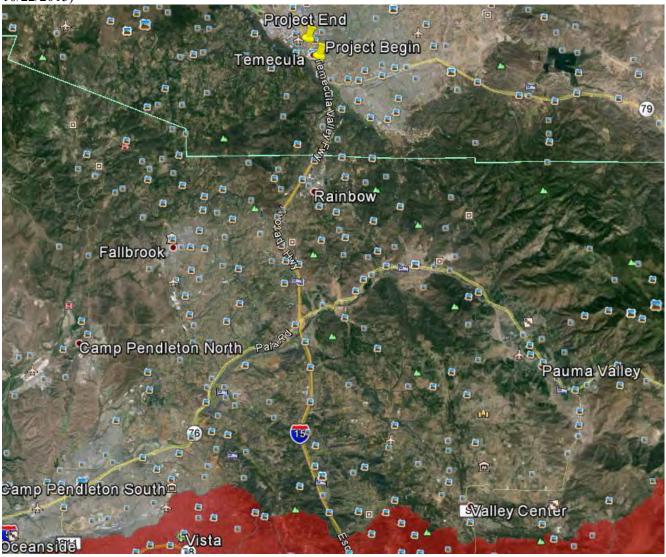
Sub-watershed – Long Canyon-Murrieta Creek

The receiving water body for this project is Murrieta Creek. Murrieta Creek:

- <u>is not</u> on the most recent 303d list for waterbodies impaired for sediment;
- does not have a USEPA-approved Total Maximum Daily Load implementation plan for sediment; or
- does <u>not</u> have the beneficial uses of COLD, SPAWN, and MIGRATORY

Therefore the Receiving Water Risk Factor for this project is **Low**.

Figure shown below is used to determine Receiving Water Risk (retrieved from State Water Resource Control Board ftp site: ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/Receiving_Water_Risk/, accessed on 10/22/2015)



RED = HIGH RECEIVING RISK



Receiving Water Risk Factor for this project is **Low**.

Receiving Water (RW) Risk Factor Worksheet	Entry	Score
A. Watershed Characteristics	yes/no	
A.1. Does the disturbed area discharge (either directly or indirectly) to a 303(d)-listed waterbody impaired by sediment? For help with impaired waterbodies please check the attached worksheet or visit the link below:		
2010 Approved Sediment-impared WBs Worksheet http://www.waterboards.ca.gov/water_issues/programs/tmdl/303d_lists2006_epa.shtml	No	Low
<u>OR</u>		
A.2. Does the disturbed area discharge to a waterbody with designated beneficial uses of SPAWN & COLD & MIGRATORY?		
http://www.ice.ucdavis.edu/geowbs/asp/wbquse.asp		

		Combined Risk Leve	el Matr	ix	
	Sediment Risk				
Isk		Low	Medium	High	
Receiving Water Risk	Low	Level 1 Lev		/el 2	
Receivin	High	Level 2		Level 3	
		Project Sediment Risk:	Low		
		Project RW Risk:	Low		
		Project Combined Risk:	Level 1		

The combined project risk per SWRCB worksheet is Risk Level 1.

Murrieta Creek, Phase 2 USACE Project No. W912PL-15-C-0002

Legally Responsible Person [LRP]:
U.S. Army Corps of Engineers, Los Angeles District
915 Wilshire Boulevard, Suite 930
Los Angeles, California 90017-3401
Attn: Contracting Division CESPL-CT-W
213-452-3308

Approved Signatory:
Ayaz Uddin, Contractor Quality Control Manager
OHL USA, Inc.
1920 Main Street, Suite 310, Irvine, CA 92614
949-242-4432

<u>Project Site Address</u>

Murrieta Creek, in the City of Temecula, San Diego County, CA

Prepared for:
OHL USA
1920 Main Street, Suite 310
Irvine, CA 92614
Ayaz Uddin, Contractor Quality Control Manager
949-242-4432 (Office)

Prepared by:
Global Environmental Network, Inc.
P.O. Box 8068
Fountain Valley, CA 92728
714-479-1199 (office)

<u>Date</u> October 22, 2015

1) Sediment Risk Level Determination

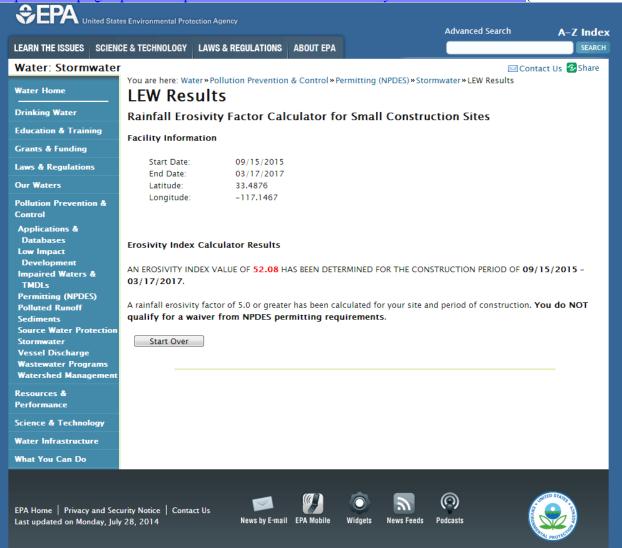
- Based on Revised Universal Soil Loss Equation (RUSLE)
- Soil loss (tons/acre/year) = $R \cdot K \cdot L \cdot S \cdot C \cdot P$

 $R = rainfall \ erosivity$; $K = soil \ erodibility$; $L = length \ of \ slope$; S = slope; C = cover; and P = practices The C and P factors are given values of 1.0 to simulate bare ground conditions.

Rainfall Erosivity (R) Factor:

An erosivity (R) factor of **52.08** was determined for the area of work for the construction period from September 15, 2015 to March 17, 2017 by using USEPA "Rainfall Erosivity Factor Calculator for Small Construction Sites" available at:

http://water.epa.gov/polwaste/npdes/stormwater/Rainfall-Erosivity-Factor-Calculator.cfm(accessed on 10/22/15)



Soil Erodibility (K) Factor:

Erodibility (K) Factor of 0.37 was determined from State Water Resource Control Board ftp site, ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE_K_Factor, accessed on 10/22/15, see figure below:





Slope (LS) Factor:

Slope Factor of 1.86 for project area was determined from State Water Resource Control Board ftp site, ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE_LS_Factor, accessed on 10/22/15, see figure below:



No scale



Sediment Risk Factor Worksheet

Entry

A) R Factor

Analyses of data indicated that when factors other than rainfall are held constant, soil loss is directly proportional to a rainfall factor composed of total storm kinetic energy (E) times the maximum 30-min intensity (I30) (Wischmeier and Smith, 1958). The numerical value of R is the average annual sum of EI30 for storm events during a rainfall record of at least 22 years. "Isoerodent" maps were developed based on R values calculated for more than 1000 locations in the Western U.S. Refer to the link below to determine the R factor for the project site.

http://water.epa.gov/polwaste/npdes/stormwater/Rainfall-Erosivity-Factor-Calculator.cfm

R Factor Value

52.08

B) K Factor (weighted average, by area, for all site soils)

The soil-erodibility factor K represents: (1) susceptibility of soil or surface material to erosion, (2) transportability of the sediment, and (3) the amount and rate of runoff given a particular rainfall input, as measured under a standard condition. Fine-textured soils that are high in clay have low K values (about 0.05 to 0.15) because the particles are resistant to detachment. Coarse-textured soils, such as sandy soils, also have low K values (about 0.05 to 0.2) because of high infiltration resulting in low runoff even though these particles are easily detached. Medium-textured soils, such as a silt loam, have moderate K values (about 0.25 to 0.45) because they are moderately susceptible to particle detachment and they produce runoff at moderate rates. Soils having a high silt content are especially susceptible to erosion and have high K values, which can exceed 0.45 and can be as large as 0.65. Silt-size particles are easily detached and tend to crust, producing high rates and large volumes of runoff. Use Site-specific data must be submitted.

ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE K Factor

K Factor Value

0.37

C) LS Factor (weighted average, by area, for all slopes)

The effect of topography on erosion is accounted for by the LS factor, which combines the effects of a hillslope-length factor, L, and a hillslope-gradient factor, S. Generally speaking, as hillslope length and/or hillslope gradient increase, soil loss increases. As hillslope length increases, total soil loss and soil loss per unit area increase due to the progressive accumulation of runoff in the downslope direction. As the hillslope gradient increases, the velocity and erosivity of runoff increases. Use the LS table located in separate tab of this spreadsheet to determine LS factors. Estimate the weighted LS for the site prior to construction.

ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/RUSLE/RUSLE LS Factor,

LS Factor Value

1.86

Watershed Erosion Estimate (=RxKxLS) in tons/acre	35.8
Site Sediment Risk Factor	
Low Sediment Risk: < 15 tons/acre	Medium
Medium Sediment Risk: >=15 and <75 tons/acre	
High Sediment Risk: >= 75 tons/acre	

Watershed erosion estimate (RxKxLS) is **35.8** [tons/acre], based on the above R, K and LS factors. **Sediment Risk Factor for this project is** <u>Medium.</u>

2. Receiving Water Risk Determination

Receiving water risk is determined by the following assessment factors:

- the most recent 303d list for waterbodies impaired for sediment;
- has a USEPA-approved Total Maximum Daily Load implementation plan for sediment; or
- has the beneficial uses of COLD, SPAWN, and MIGRATORY

This project lies within:

Hydrologic Unit – Santa Margarita

Hydrologic Area – Murrieta

Hydrologic Sub-Area Name – Undefined

Hydrologic Sub-Area Number - #902.32

Watershed - Murrieta Creek

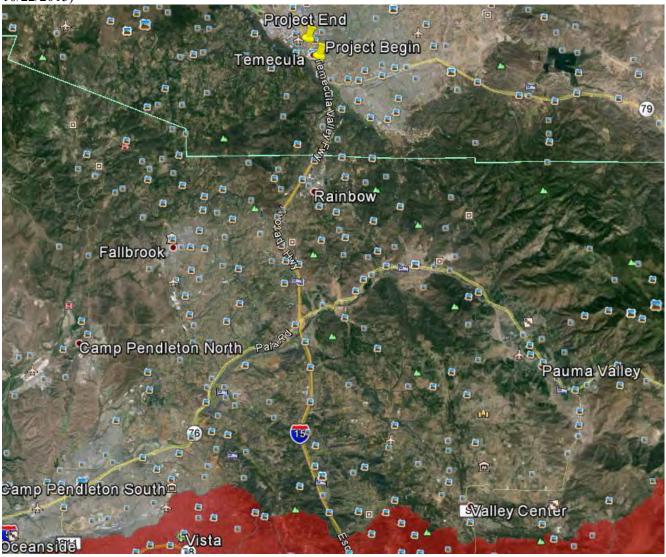
Sub-watershed – Long Canyon-Murrieta Creek

The receiving water body for this project is Murrieta Creek. Murrieta Creek:

- is not on the most recent 303d list for waterbodies impaired for sediment;
- does not have a USEPA-approved Total Maximum Daily Load implementation plan for sediment; or
- does <u>not</u> have the beneficial uses of COLD, SPAWN, and MIGRATORY

Therefore the Receiving Water Risk Factor for this project is **Low**.

Figure shown below is used to determine Receiving Water Risk (retrieved from State Water Resource Control Board ftp site: ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/Receiving_Water_Risk/, accessed on 10/22/2015)



RED = HIGH RECEIVING RISK



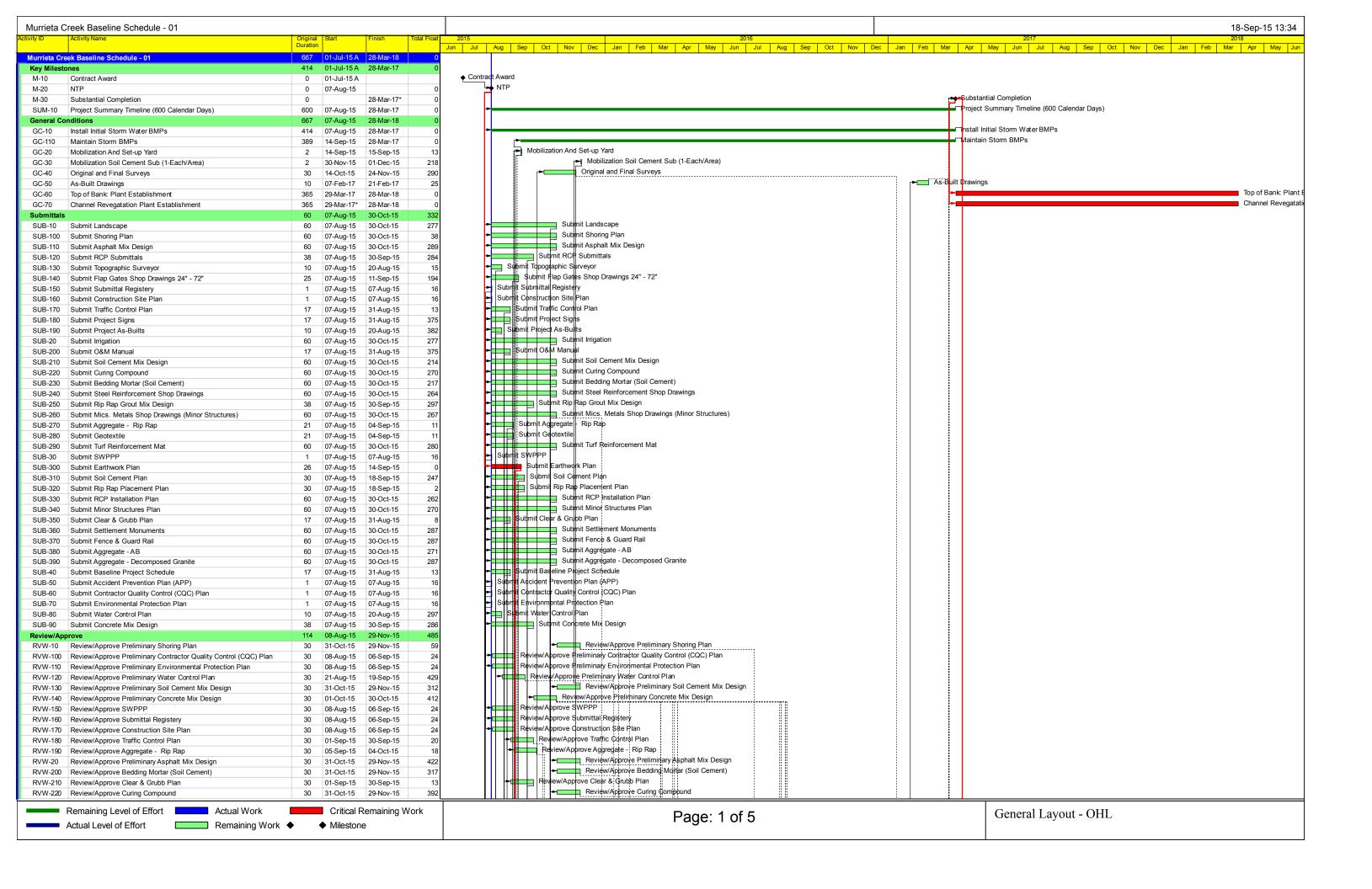
Receiving Water Risk Factor for this project is **Low**.

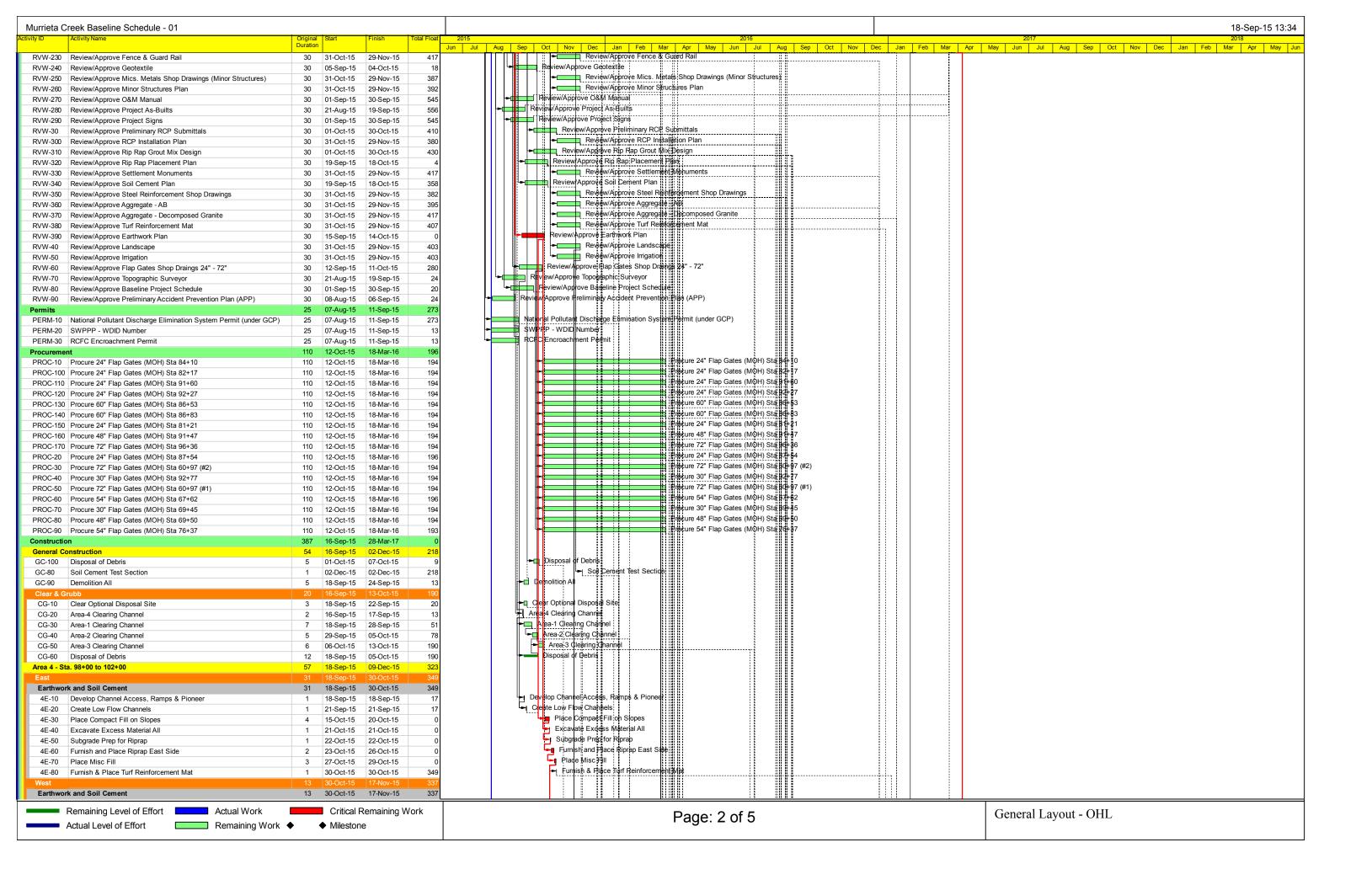
Receiving Water (RW) Risk Factor Worksheet	Entry	Score
A. Watershed Characteristics	yes/no	
A.1. Does the disturbed area discharge (either directly or indirectly) to a 303(d)-listed waterbody impaired by sediment? For help with impaired waterbodies please check the attached worksheet or visit the link below:		
2010 Approved Sediment-impared WBs Worksheet http://www.waterboards.ca.gov/water-issues/programs/tmdl/303d-lists2006-epa.shtml	No	Low
<u>OR</u>		
A.2. Does the disturbed area discharge to a waterbody with designated beneficial uses of SPAWN & COLD & MIGRATORY?		
http://www.ice.ucdavis.edu/geowbs/asp/wbquse.asp		

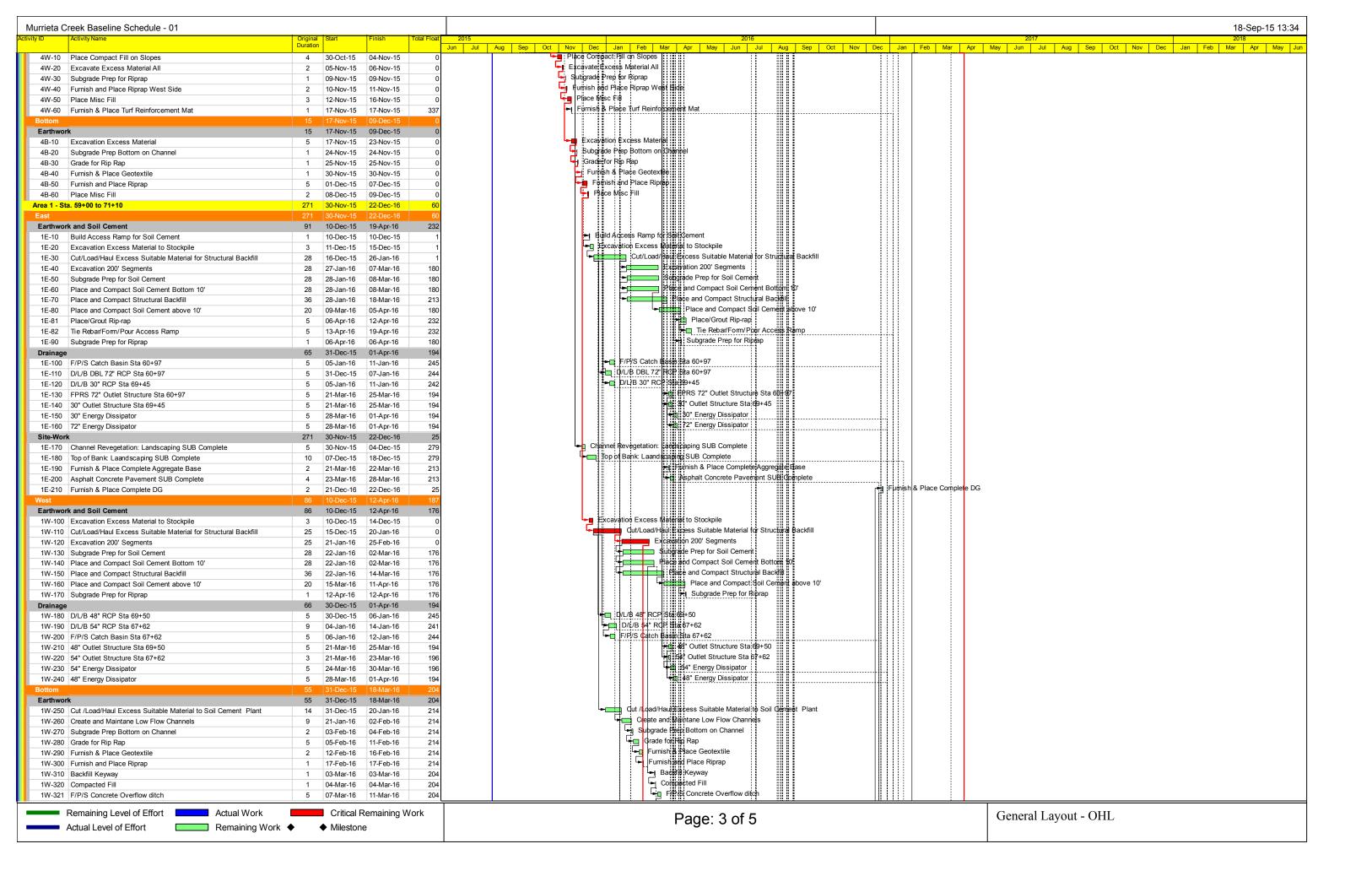
		Combined Risk Leve	el Matr	ix
		Sediment Ri		
N X		Low	Medium	High
Receiving Water Risk	Low	Level 1	Lev	vel 2
Receivin	High	Level 2		Level 3
		Project Sediment Risk:	Medium	
		Project RW Risk:	Low	
	4 • 1	Project Combined Risk:	Level 2	

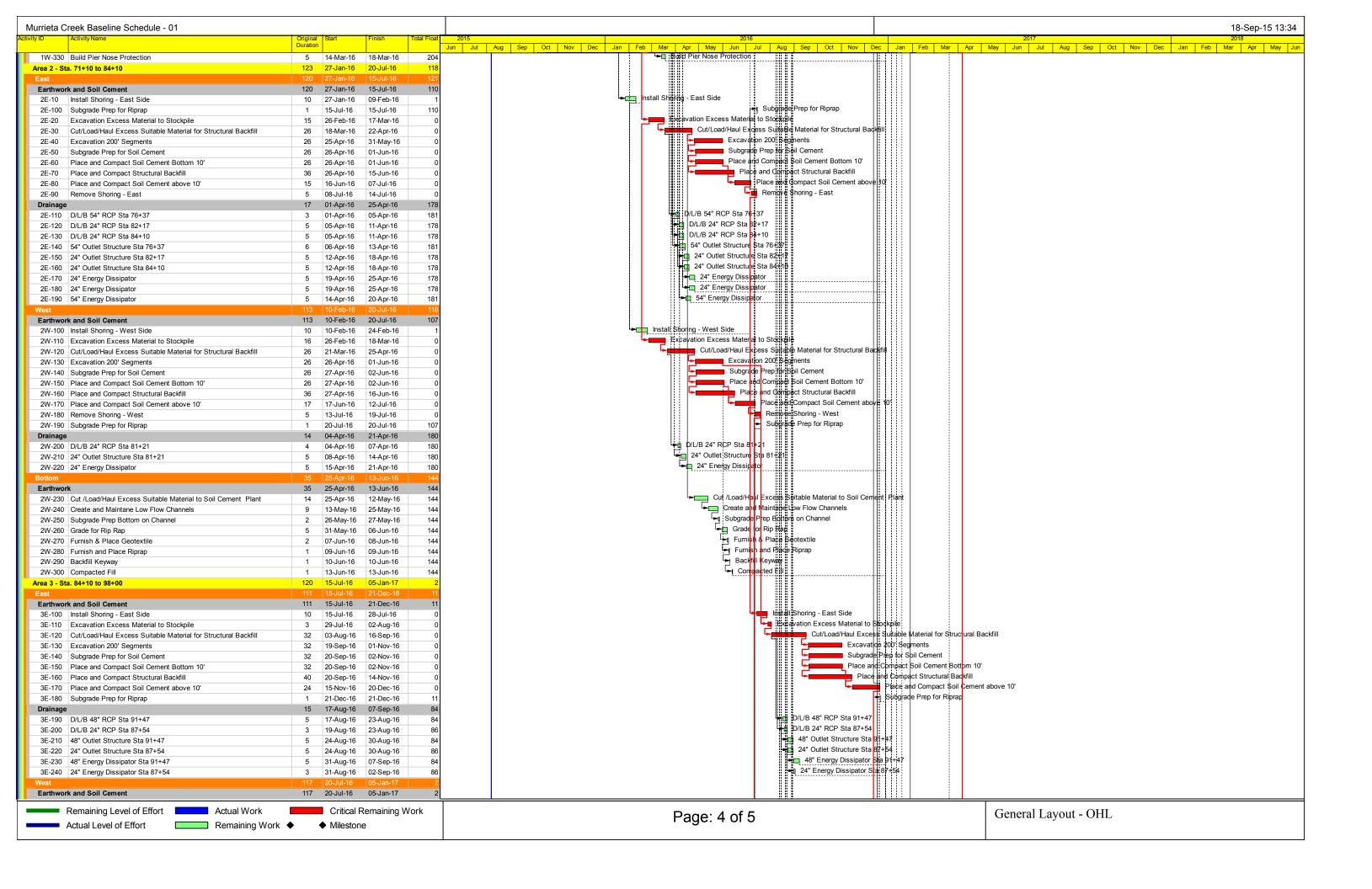
The combined project risk per SWRCB worksheet is Risk Level 2.

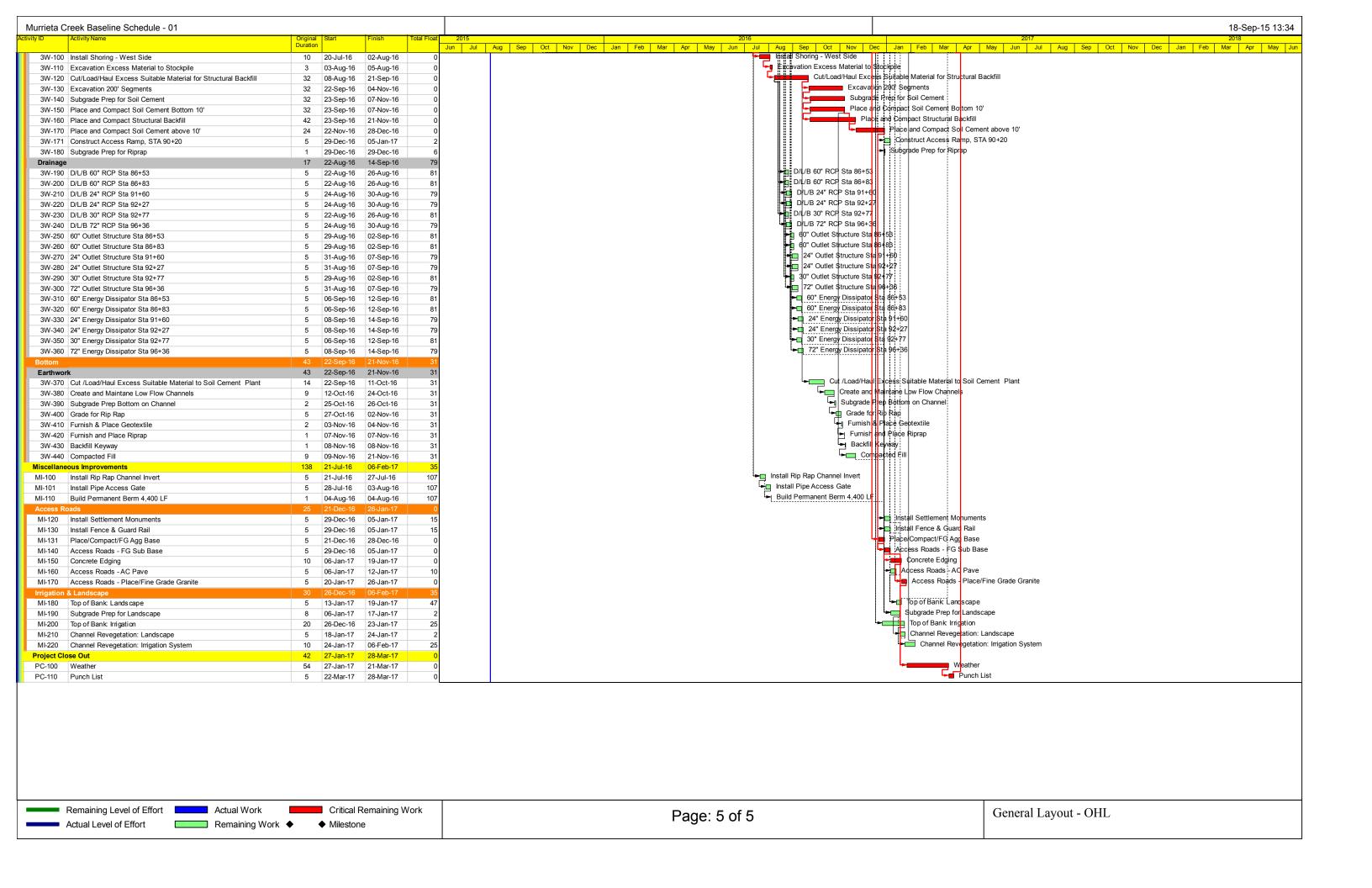
OHL USA Page 8











MURRIETA CREEK PH II - Current BMP Pictures



Earthen Berm: 4' Tall X 12'Wide X Bank to Bank Berm placed at the Downstream End of project for Runoff Control.



Dust Control: Fulltime Water trucks (2-3 each 4,000Gal Capacity) are being used to keep dust down.



Construction Entrance: Picture of one of our exits (currently not being used) at the south end of project



Earthen berms are placed on top of embankments in non-active parts of the creek as part of the run-on protection. North end of the project near Rancho California Rd. This portion of the project from Sta. 107+00 to 102+00 is to be cleared only. OHL has requested US Army Corp to review the current condition and provide contour grading plans as well as any recommended BMPs.



Picture shows riprap being installed as part of the permanent slope protection from Sta. 102+00 to 98+00. The earthen berm on top along the access road is a part of the temp. run-on control.



Picture shows gravel bag berm along the side walk near Felix Valdez entrance.



This is along the eastside of the creek approx. 1,500 ft downstream of the Rancho California Rd. OC. Silt fence is in place as part of the run-on control.



Main construction entrance near Felix Valdez Rd. (90def bend). Rock and track-out plates are cleaned and maintained daily or as needed.



Earthen swale near Felix Valdez road is protected using fiber rolls as perimeter control.



All materials are stored on pallets near the Field yard near Felix Valdez entrance.



Eastside bank at Approx. Sta. 84+00 to 78+00. Silt fence in place for run-on control.



Crews installing additional silt fence along east bank Approx. Sta. 78+00 to 72+00.

Attachment 3

to
January 7, 2016
Facility Inspection Report
for
Murrieta Creek Construction Site

Chiu, Wayne@Waterboards

From: Ayaz Uddin <auddin@ohlusa.com>
Sent: Friday, January 15, 2016 5:59 PM
To: Chiu, Wayne@Waterboards

Cc: Tracey Dickson; Ali Sultanzai; Bruckner, Scott; David Garcia; Walsh,

Laurie@Waterboards; Becker, Eric@Waterboards

Subject: RE: WDID 933C374007 (Murrieta Creek): 7 January 2016 Inspection (1 of 6)
Attachments: BMP Inspection - September 2015.pdf; BMP Inspection - October 2015.pdf

Hello Mr. Chiu,

For your review, please find attached reports and other information. Due to the size of the attachments, I will break out the information in several emails. Additionally, I would like to request a follow-up site visit next week to discuss the outstanding concerns further and implement additional necessary BMPS.

1. Copies of the weekly BMP inspection reports for the last 3 months. Response: Weekly, pre/during/post storm reports are attached here in.

- 2. Copies of the Rain Event Action Plans for the last 3 months
 Response: Since the project started, there has only been one qualifying rain event. See attached REAP. In the prior minor rain events, the large earthen berm built at the downstream end of the project limit as part of the sediment control, held run-offs.
- 3. Copies of any inspection reports or enforcement actions issued by the Riverside County Flood Control District storm water inspectors.

Response: Neither USACE (which we have a contract with) nor RCFC has provided us with any inspection reports or enforcement actions to this date. A special meeting was held on 1/13/15 to discuss your concerns following your site visit, Both USACE and RCFC agreed to provide us with flood levels to help determine the active vs inactive portions of the creek slopes within the project limits, however no such data has been provided yet. Additionally, it was suggested to spray the inactive portions of the creek slopes, however there are no provisions in the contract documents as to the type of any temporary hydro-mulch that are acceptable by either USACE or RCFC.

4. Copies of the monitoring data collected for runoff from the site in the last 3 months
Response: Due to the hazardous conditions caused by heavy rains and while there was continues flow, we were
unable to collect any samples. For your review, I have attached a few pictures from upstream (Rancho California Rd
Bridge), downstream (1St Street Bridge) and few others.

In regards to your concerns relating the updated SWPPP with Risk level 2 requirements, below is a response and attached exhibit comparing CGP requirements and implemented BMPs at our project: This response includes comments from our consulting firm and some of our senior staff with extensive waterway projects:

The measures in the current SWPPP are sufficient, and are in fact superior to the suggestions regarding the use of temporary BMP materials within the active stream bed. The project lies entirely within the waterway known as Murrieta Creek, which is controlled by the Riverside County Flood Control District and the US Army Corps of Engineers. In order to construct this project within an existing stream channel, we felt it was prudent to find alternatives to the standard temporary construction site BMPs. Placing conventional temporary erosion control or sediment control BMPs in an active stream channel risks damage and downstream transport of those materials during a large rain event, which must be anticipated in an "El Nino" year. For this reason, the plan incorporates the use of natural streambank materials such as earthen berms and rock structures to divert storm flows away from stream banks and reduce the displacement or transport of sediment.

The plan also incorporates restrictions on the use of equipment or chemicals within streambank limits in order to limit the potential for spills or leaks. Vehicles and equipment will remain in the offsite yards except when in direct use, and chemicals will be brought into the stream area only as needed for specific applications. There is language in the contract

that directs the contractor to <u>avoid problems by not conducting work in the creek when water is present</u>, and specifically states that the work area is a 'natural drainage course,' where flash flooding may be expected.

This strongly suggests that placement of conventional temporary BMPs within the stream limits should be avoided, or at least implemented very cautiously.

Consequently, the BMPs selected for this project did not include standard soil cover measures for Erosion Prevention. We have relied upon flow control measures, including Dikes, Swales, Velocity Dissipation, and Streambank Stabilization practices, as described in the October 26 Revised SWPPP on pages 15-18. These measures are backed up by conventional Sediment Control measures to intercept flows coming toward the project from the sides of the stream. Either Silt Fence or Fiber Rolls are indicated for use at the top of the stream embankments to intercept and redirect surface flows from adjacent land as a means of preventing slope erosion. The plan also calls for check dams within the channel, using either FR or GB to supplement the Earth Berms and Swales designated in the previous pages as the primary measure for velocity control within the creek bed.

Although the measures in the approved SWPPP were not fully implemented prior to the storm event, we believe that the rapid development of the event played a significant role in that. Further, the total rain amount over 3" in a 48 hour window was much greater than the normal or typical rain event for this area.

We believe that Mr. Chiu is taking a rather extreme view, especially considering that this project is situated entirely within the boundaries of the jurisdictional waters of the USACE, and we are following the guidance in their contract specifications.

The contractor is willing to implement additional measures if so directed by the USACE and/or RCFC. If the maximum potential water depth can be determined, hydraulic mulch could be placed on the exposed soil above that level where necessary. The SWPPP already includes the standard sediment control BMPs (silt fence, fiber roll) along the tops of the banks to intercept surface flows, and there are control berms of natural materials in the creek bed specified in the contract. We believe it would not be wise to place FR along the slopes below the top.

If there are other measures that RWQ, USACE, or RCFC can recommend, we will be happy to implement them.

Should you have any questions, please contact me directly.

Ayaz Uddin



1920 Main Street, Suite 310 Irvine, CA 92614 Cell: (714) 328-5598 Tel: (949) 242-4457

From: Chiu, Wayne@Waterboards [mailto:Wayne.Chiu@waterboards.ca.gov]

Sent: Monday, January 11, 2016 2:37 PM

To: Ayaz Uddin

Cc: Tracey Dickson; Ali Sultanzai; Bruckner, Scott; David Garcia; Walsh, Laurie@Waterboards; Becker, Eric@Waterboards

Subject: WDID 933C374007 (Murrieta Creek): 7 January 2016 Inspection

Hi Ayaz:

I am preparing the inspection report and Notice of Violation for the BMP deficiencies observed during my inspection on January 7, 2016. I have been reviewing the SWPPP. It appears I will also need to review some additional documents as part of my inspection.

The amended SWPPP that was uploaded to SMARTS with updates for a Risk Level 2 site still lacks the erosion controls necessary to be in compliance with a Risk Level 2 construction site. It appears the QSP and QSD do not have an

adequate understanding of what erosion control BMPs are necessary to be implemented for a Risk Level 2 construction site to be in compliance with Order No. 2009-0009-DWQ, the Statewide Construction General Storm Water Permit (CGP) if they are not including appropriate erosion controls in the SWPPP or recommending erosion controls based on field conditions.

Please send me the following information and documentation by January 15, 2015:

- 1. Copies of the weekly BMP inspection reports for the last 3 months
- 2. Copies of the Rain Event Action Plans for the last 3 months
- 3. Copies of any inspection reports or enforcement actions issued by the Riverside County Flood Control District storm water inspectors.
- 4. Copies of the monitoring data collected for runoff from the site in the last 3 months

Please let me know if you have any questions.

Thanks,

Wayne Chiu, PE

Water Resource Control Engineer Storm Water Management Unit California Regional Water Quality Control Board San Diego Region 2375 Northside Drive, Suite 100 San Diego, CA 92108

Direct Line: (619) 521-3354 Main Line: (619) 516-1990

BMP INSPECTION REPORT

Quarterly NS	₩weekly	☐ Pre-Storm	During Rain	☐ Post-Storm
Part I. General Inf	ormation			
Project Name/Address	MURRIETA	CREEK T	HASE II	
WDID#: 9 33	C374007.			
Construction stage / a	ctivities:	110-1 0 -		
INSTALL	INTITAL BA	MPS - CONSTRUC	TION ENT, IN	LET PROTECTION
		I EXAMIL!	ER CONTROL, C	LEAR & GRUBB
Project Risk Level or I	UP Type:		Total Disturbed Soil Ar	ea:0.15 acres
	Dhoto Do	eference IDs:	2342 A L Q LATATE	
Photos: ☑Yes □	NO SEE	ATTACHED.	Current Inactive DSA:	
Inspection Date:	Time	9:00 AM	Current Active DSA: O.15 acre	
		Weather		
Beginning of current s	torm:		rain gauge reading:	/1
Duration (hours):	NJA		tive rain for this event:	NIA
Time since last storm Amount from last stor	(days or hours): m: PROJECT SAF	HATES ON Rain gar	uge location: ICHO CAz. 4 D	112- RA
Qualifying Rain Event	(> 0.5")? \(\text{Yes}\)	9/22/15 Kith ☐ No If yes, summarize	ge forecast:	7.0.
N/A		3140 31400 036000		
MIA	•			
		do para descriptora poster		matasheleda Nedhada Ah
Exemption Docu	mentation (if ins	spection not conduct erous weather condition	ed). Visual Inspections	are not required
至2000年的基本的企业的基本的基本的企业的企业的企业的企业。 第二章	The service of the service of	eduled site hours (6	terpelant serious serious services as	Contact storing
☐ Dangerous con	ditions on site:	leddied site flodis (e	/ VIIII — O F 141)	
□ Extreme	ly heavy rainfall		N/A.	
☐ Electrica	ıl storm (lightning	1)		
□ Other:				
		Inspector		
Name: HUMA	WW / 121	2	Title: Q	SP.
			Date: 3/	3P.
Signature:	L L		1/2	3/15

Reviewed 10/26/15 by: Bruce Lokkesmoe, QSD #00049

Janlellan

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials	a provi	经净值额抵押款的 经加入	
Inventory of stored materials up to date.	NA		
Inactive stockpiles covered and bermed.	N/A	0	
Chemicals stored in watertight containers with appropriate secondary containment	N/A	T. T.	
Construction materials protected from precipitation	N/A		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management		學學學 医性性血压性血栓性	
Wash/rinse water not reaching storm drains.	/		
Portable toilets contained.			
Portable toilets clean; no apparent leaks and spills.			
Material on hand to cover waste disposal containers.			1
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/		
Waste material protected from wind and rain.	/		
Procedures in place for both hazardous and non- hazardous spills.			
Appropriate spill response personnel assigned and trained.		SEE ENV. PLAN ON-SITE.	
Supplies for cleanup of spills available onsite.	~		
Washouts properly constructed and placed.	N/A		
Good Housekeeping - Vehicle Storage and Mainte	ACCOUNTS NOT THE REAL PROPERTY.		
Measures to prevent oil, grease, or fuel from leaking.		NO EQUIPMENT FUELING IN	CREEK
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.	/	NO LEAKS NOTICED.	
Good Housekeeping - Landscape Materials		· Selection of the sel	Main of a
Stockpiled landscape materials contained and covered when not in use.	/		
Erodible landscape material not applied within 2 days before or during forecasted rain event.			
Erodible landscape materials applied per manufacturer.	4/A		
Bagged erodible materials on pallets and covered.	/		
Good Housekeeping - Air Deposition of Site Mate	rials		
Measures to control air deposition of site materials.	/	WATER TRUCK ON-SITE.	

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Non-Stormwater Management			為特別事
Non-Stormwater discharges properly controlled.	/		
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	N/A.		
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	/		
Erosion Controls			RANDA"
Wind erosion controls effectively implemented.	V		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	MA		
Use of plastic materials is limited where reasonable alternative exists.	N/A		
Sediment Controls	1000		
Perimeter controls established and effective.	/	FIBER ROZLS PLACED AROUD DIEH	
Entrances and exits stabilized.	~		
Sediment basins properly maintained.	/		
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	-		
Run-On and Run-Off Controls	19192		80,0
Run-on effectively managed and directed away from disturbed areas.	/		
Run-off effectively controlled.	/	EARTHED BERM CONSTRUCTED	
		JUST DOWN STREAM OF COXB AR	E4.
Other			TREE, JA
Project SWPPP / BMP plan up to date, on-site and properly implemented.	~		
			L

Deficiency	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.					
	Corrective Action	Date Completed				
1. ADD GRAVEL TO T	TO TRACK ONT PLATES & ROT	MADDITION 4/25/1				
2.						
3.						
4.						
5.						
6.						
7.						
8.						
Part IV. Additional Pre	-Storm Observations. Note the presence or all discoloration, turbidity, odors, and source(s) of pollu	osence of floating and tants(s).				
Do stormwater storage and con	ntainment areas have adequate freeboard? If no, complete	Part III. YES				
Are drainage areas free of spills	s, leaks, or uncontrolled pollutant sources? If no, complete	Part VII and describe below				
Notes: YES. No FU THE CREEK.	ELING OR ANY MAINTANANCE I	IS ALLOWED /A				
Are stormwater storage and co	ontainment areas free of leaks? If no, complete Parts III an	d/or VII and describe below.				
Notes: YES						

Outfall, Discharge Point, or Other Downstream Location	
Location	Description
N/A NO FLOWING WATER OBSERV	ED.
Location	Description
Location	Description
Location	Description
Discharge Location, Storage or Containment Area	Visual Observation
Discharge Location, Storage or Containment Area	Visual Observation
N/A	
- 14 / N	
Part VII. Additional Corrective Actions Required. Identify ad included with BMP Deficiencies (Part III) above. Note if SWPPP change is	
Required Actions	Implementation Date
N/A WORK HAS NOT COMMENCES	
YET. CLEAK & GRUBB SUB 15 POINEER!	14





BMP INSPECTION REPORT

Quarterly NS	□Weekly	☑,Pre-S	Storm	During Rain	☐ Post-Storm
Part I. General Inf	ormation				
Project Name/Address	: MURRIER	A CRE	EK	PHI	
WDID#: 9 33	C374007			- V	
CLEAR. & G /NSTALLAT	ctivities: RUBB CREE		UPST	REAM EN]),
Project Risk Level or L	UP Type: 1		T	olal Disturbed Soil Ar	ea:lacres
Photos: □Yes 🛱	No Photo Ref	erence IDs:	С	urrent Inactive DSA:	Oacres
Inspection Date: 9/2	125/15 Time: 9:00 AM.		С	urrent Active DSA:	lacres
		Weat	her	基系的特色。	
Beginning of current s Duration (hours):	torm: 9/27/15	5:00 AM	Current rain Cumulative	gauge reading: rain for this event:	N/A.
Time since last storm Amount from last store			Rain gauge	location: HLER SITE	
Qualifying Rain Event CHANICE OF J. 2 INCHES	(≥0.5°)? □Yes □ <i>PR EP</i> /3	60% w	ummarize fo	orecast: EXECUST Amov	NE OF UPTO
Exemption Docu	mentation (if inspours or during danger	ection not c	onducted)). Visual inspections ich as flooding or elec	are not required ctrical storms.
	ditions on site: ly heavy rainfall (> l storm (lightning)	1" per hour		M – 3 PM)	
制度制度		Inspe	ctor	THE STATE OF	
Name: A-/A-2	UPDIN			Title: QC r	NOWOGER, QS
Signature:	1115			Date: 9/2	NOWAGER, QS

Reviewed by: Bruce Lokkesmoe, QSD #00049

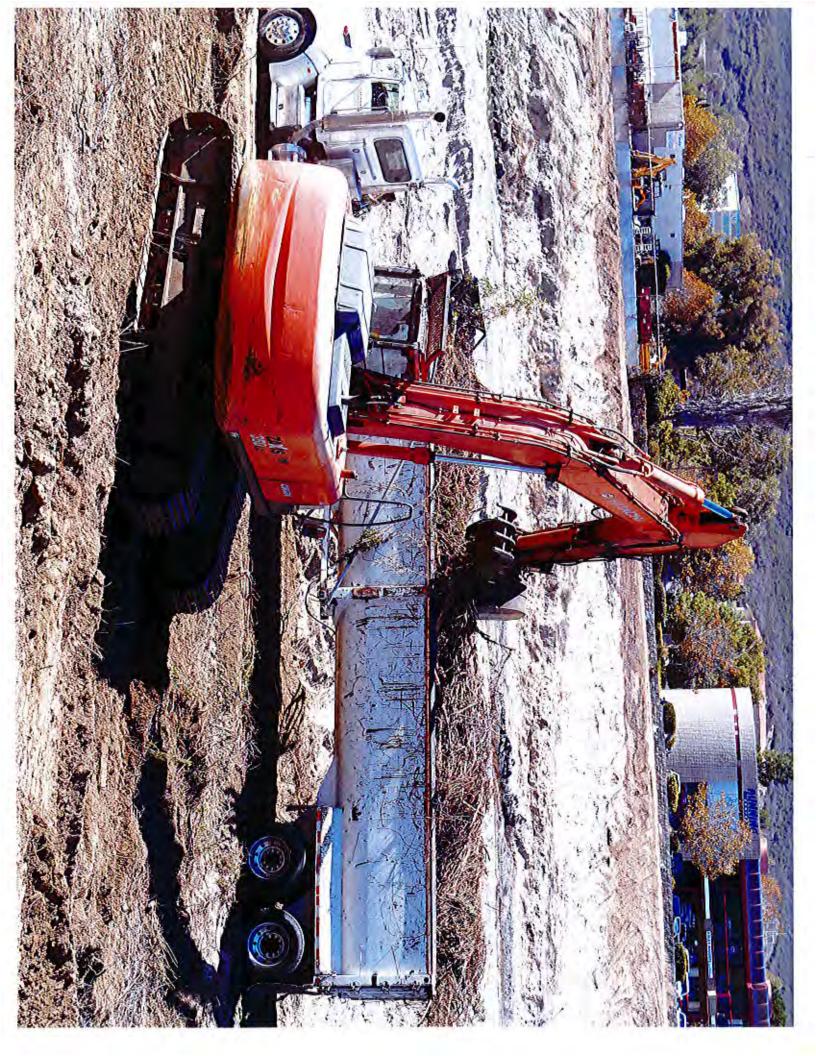
Laulellan

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
Inventory of stored materials up to date.	MA		
Inactive stockpiles covered and bermed.	NA		
Chemicals stored in watertight containers with appropriate secondary containment	N/A		
Construction materials protected from precipitation	/		11
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.	/		
Portable toilets contained.			
Portable toilets clean; no apparent leaks and spills.	/		
Material on hand to cover waste disposal containers.	/		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.			
Waste material protected from wind and rain.			
Procedures in place for both hazardous and non- hazardous spills.			
Appropriate spill response personnel assigned and trained.	V		
Supplies for cleanup of spills available onsite.	/		
Washouts properly constructed and placed.	NA		
Good Housekeeping - Vehicle Storage and Mainter	nance		the Berlin
Measures to prevent oil, grease, or fuel from leaking.	~		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.	V	SUSY SALEMENT STORY	
Good Housekeeping - Landscape Materials		0.50	
Stockpiled landscape materials contained and covered when not in use.			
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/A		
Erodible landscape materials applied per manufacturer.	N/A		
Bagged erodible materials on pallets and covered.	MA	P-12	
Good Housekeeping - Air Deposition of Site Mater	ials	The second of	1, 9, 97198
Measures to control air deposition of site materials.	V		

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Non-Stormwater Management			STATE OF STATE
Non-Stormwater discharges properly controlled.			
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	NA		
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	1		
Erosion Controls			and the state of
Wind erosion controls effectively implemented.	1		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.			
Use of plastic materials is limited where reasonable alternative exists.	1		
Sediment Controls	98310	Search of the production of	13,5012
Perimeter controls established and effective.		PLACE GRAVEL BAGS @ EN	THEYER 9
Entrances and exits stabilized.	V		
Sediment basins properly maintained.	N/a		
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	V		
Run-On and Run-Off Controls			La TON
Run-on effectively managed and directed away from disturbed areas.	/	Constant areas Division As	THE GIA
Run-off effectively controlled.	V	EARTHEN BERM PLACED AT END OF CLEARED BREA TO CO	ON TROL RI
Other		Missing是维加克民族	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	/		

Deficiency	Repairs identifica	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.						
		Corrective Action						
1. NONE.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
Part IV. Additional suspended materials, sh	Pre-Storm Obse een, discoloration, t	ervations. Note the presence or aburbidity, odors, and source(s) of pollut	sence of floating and ants(s).					
The state of the s		ave adequate freeboard? If no, complete						
Are drainage areas free of	spills, leaks, or unconf	trolled pollutant sources? If no, complete F	Part VII and describe below.					
Notes: THE CLEA A BERM WAS SITE.	RED AKEA BUILT TO	WAS CLEANED UP FROM CONTROLL WATER FROM	1 EXISTING TRAS					
Are stormwater storage a	nd containment areas	free of leaks? If no, complete Parts III and	l/or VII and describe below.					
Notes:								

Outfall, Discharge Point, or Other Downstream Location	
FORECAST STORM FOR SUNDAY 3/27.	Description
Location	Description
Location	Description
Location	Description
contained stormwater that discharged during or after a qualifying rain ever Discharge Location, Storage or Containment Area	Visual Observation
	PARTICULAR TO SELECT A
NA	
Part VII. Additional Corrective Actions Required. Identify a included with BMP Deficiencies (Part III) above. Note if SWPPP change	dditional corrective actions not is required.
Required Actions	Implementation Date
Monie.	





BMP INSPECTION REPORT

Quarterly NS	Weekly	Pre-Storm	During Rain	☐ Post-Storm	
Part I. General Infor	mation				
Project Name/Address:	MURRIET	A CREEK	· PHI		
WDID#: 9 3	303740	7.			
Construction stage / active CLEAR MAINTA BMPS	1 00.10	OF Ex. B	AT UPST MPS OF INS	REAM END.	
Project Risk Level or LUP Type:			Total Disturbed Soil Area: 2.5 acres		
Photos: □Yes □No Photo Reference IDs:		erence IDs:	Current Inactive DSA:O acres		
Inspection Date:	Inspection Date: 10/2/15 Time: 9:00 Av		Current Active DSA: 2-5 acres		
。在1980年的 是1980年的		Weather	编制程度设计的		
Beginning of current stor Duration (hours): 3	h Hes	Cumulat	rain gauge reading: live rain for this event:	Ø.	
Time since last storm (days or hours):		Rain gau	Rain gauge location:		
Qualifying Rain Event (≥ CHAWCE OF OF UP TO	RAIN U 31NCHES.	PTo :70% (JITH FOREC	s are not required	
	ed outside sch	eduled site hours (6 > 1" per hour)	MANAGE STREET, PROSPER STORY OF STREET, STREET		
CONTRACTOR OF THE		Inspector	温的混乱。	是在主義的情况	
Name: AYA2	UDANI		Title: QC	2 MANAGER BS	
Signature:	1/ /		Date:	11	

Reviewed 10/26/15 by: Bruce Lokkesmoe, QSD #00049

Jaulallan

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials		计算机处理用对对电影	
Inventory of stored materials up to date.	N/A		
Inactive stockpiles covered and bermed.	WA		
Chemicals stored in watertight containers with appropriate secondary containment	N/A		
Construction materials protected from precipitation			
BMPs for off-site tracking implemented and effective.	/		1 1-4
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.			
Portable toilets contained.			
Portable toilets clean; no apparent leaks and spills.			
Material on hand to cover waste disposal containers.			
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.			1
Waste material protected from wind and rain.			
Procedures in place for both hazardous and non- hazardous spills.		*	
Appropriate spill response personnel assigned and trained.			
Supplies for cleanup of spills available onsite.	/		
Washouts properly constructed and placed.			
Good Housekeeping - Vehicle Storage and Mainter	nance		
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.			
Vehicle and equipment leaks cleaned immediately and disposed properly.			
Good Housekeeping - Landscape Materials			
Stockpiled landscape materials contained and covered when not in use.	N/A		
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/A		
Erodible landscape materials applied per manufacturer.	MA		
Bagged erodible materials on pallets and covered.	MA		
Good Housekeeping - Air Deposition of Site Mater	ials		Sugar Sta
Measures to control air deposition of site materials.			

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Non-Stormwater Management	il ir	2.3 产业企业工程的工程工程工程	ENTRE
Non-Stormwater discharges properly controlled.	N/A		
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	N/A.		
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	/		
Erosion Controls		数数据 14年 新 斯里克亚	9. J. S. H. H. H.
Wind erosion controls effectively implemented.	/		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	/		
Use of plastic materials is limited where reasonable alternative exists.	/		
Sediment Controls	(1215)		Sp. No.
Perimeter controls established and effective.	/		
Entrances and exits stabilized.		HECK DAM.	
Sediment basins properly maintained.	YES		ear RUN-
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	NA		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	V		
Run-On and Run-Off Controls	1003		
Run-on effectively managed and directed away from disturbed areas.	/	SMALL GARTHEN BERMS PL OF BANKE TO PROJECT RUN-	ACED ON -
Run-off effectively controlled.	/	4' TALL BEAM BUILT AT TO CAG AREA TO CONTROLL R	JH-OFF
Other		Market Commence of the Commenc	11-139016
Project SWPPP / BMP plan up to date, on-site and properly implemented.	~		

Deficiency	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.				
	Corrective Action	Date Completed			
1. CHECK-DAMS IN CLEARED AKEAS OF CRE	THE AREA SO FAR CLEARED HAS A FAZL OF .23% W/ FLAT AREAS FOR IN WATER TO POND. I' TALL EARTHEN BEEN ARE BUILT TO SLOW THE FLOW OF W	10/0/15			
2.	ARE BUILT TO SLOW THE FLOW OF W	ITEK /			
3. RUN- OFF CONTROL	4' TALL BERM BUILT AT THE END OF CHARCA AREA TO CONTR RUN-OFF.	2 10/2			
4.	RUN-OFF.				
5.					
6.					
7.					
8.					
suspended materials, sheen, discol	m Observations. Note the presence or absence of oration, turbidity, odors, and source(s) of pollutants(s).				
	nt areas have adequate freeboard? If no, complete Part III.				
Are drainage areas free of spills, leaks, Notes:	or uncontrolled pollutant sources? If no, complete Part VII an	d describe below			
YES.					
Are stormwater storage and containment	ent areas free of leaks? If no, complete Parts III and/or VII and	d describe below			
Notes: YES					

Outfall, Discharge Point, or Other Downstream Location	在明本地域域是10年中共10年10日
Location	Description
Part VI. Additional Post-Storm Observations. V discharge locations within two business days (48 hours) after contained stormwater that discharged during or after a qualify Discharge Location, Storage or Containment Area	each qualifying rain event, and stored or
N/A.	
Part VII. Additional Corrective Actions Require included with BMP Deficiencies (Part III) above. Note if SWI	 d. Identify additional corrective actions no PPP change is required.
Required Actions	Implementation Date







	☑ Weekly	☐ Pre-S	Storm	During Rain	☑ Post-Storm
Part I. General Inf	ormation				
Project Name/Address	MURRIETI	A CR	EEK	PH II.	
VDID#: 9 3	32374007				
Construction stage / ac	LEAR OL GR	UBB			
Project Risk Level or L	_UP Type:	1.	1	Fotal Disturbed Soil Ar	ea: 2.5 acres
Photos: ☑Yes □	No Photo Refe	rence IDs:	(Current Inactive DSA:	O. acres
Inspection Date: /0/	16/15 Time:	9:00 A	m.	Current Active DSA:	acres
		Weat	her	建设集团建筑	
Beginning of current s Duration (hours):	storm: N/A 48 HRS			in gauge reading: e rain for this event:	.25". .25".
Time since last storm Amount from last stor	(days or hours): 2	4 HKS.	Rain gaug		e site
	t(≥0.5")? □Yes ⊠	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Exemption Docu	mentation (if insports or during danger	ection not c	onducted	d). Visual inspections such as flooding or ele	are not required
outside of business h Rain event occi Dangerous con Extreme Electrica	ours or during danger urred outside sche iditions on site: ly heavy rainfall (> al storm (lightning)	duled site h	onditions s ours (6 A	such as flooding or ele	ctrical storms.
outside of business h Rain event occi Dangerous con Extreme Electrica	ours or during danger urred outside sche iditions on site: ly heavy rainfall (>	duled site h	onditions sours (6 A	such as flooding or ele	ctrical storms.
outside of business h Rain event occi Dangerous con Extreme Electrica	ours or during danger urred outside sche iditions on site: ly heavy rainfall (> al storm (lightning) sciffy & mul	duled site h 1" per hour Soy CovO Inspe	onditions sours (6 A	(No From of	ctrical storms.

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
Inventory of stored materials up to date.	MA		Į.
Inactive stockpiles covered and bermed.	NA		
Chemicals stored in watertight containers with appropriate secondary containment	NA		
Construction materials protected from precipitation	V		
BMPs for off-site tracking implemented and effective.			
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.	V		
Portable toilets contained.	/		
Portable toilets clean; no apparent leaks and spills.			
Material on hand to cover waste disposal containers.	/		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/		
Waste material protected from wind and rain.			
Procedures in place for both hazardous and non- hazardous spills.			
Appropriate spill response personnel assigned and trained.	//		
Supplies for cleanup of spills available onsite.	V		
Washouts properly constructed and placed.	Na		
Good Housekeeping - Vehicle Storage and Mainter	nance		MILES OF THE
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.			
Good Housekeeping - Landscape Materials			
Stockpiled landscape materials contained and covered when not in use.	NA		
Erodible landscape material not applied within 2 days before or during forecasted rain event.	NA		
Erodible landscape materials applied per manufacturer.	NA		
Bagged erodible materials on pallets and covered.	MA		
Good Housekeeping - Air Deposition of Site Mater	ials /		The Tours

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
Non-Stormwater Management	THE WALL	the state of the s	是加坡
Non-Stormwater discharges properly controlled.	NA		
Vehicles washed in a manner to prevent discharge to surface waters or drainage systems.			
Streets cleaned in a manner to prevent unauthoriz non-stormwater discharges to drainage systems.	ed V		
Erosion Controls		新香竹丁草基 (1) 第 1111 年	· Vinte
Wind erosion controls effectively implemented.	~		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	_		
Use of plastic materials is limited where reasonab alternative exists.	le /		
Sediment Controls	N Televisia		
Perimeter controls established and effective.			
Entrances and exits stabilized.	/	CLEAN TRACK-OUT PLATE	
Sediment basins properly maintained.	N		
Linear barriers at toe/face/grade breaks of expose slopes (RL 2&3 only)	ed /		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	~		
Run-On and Run-Off Controls			00111
Run-on effectively managed and directed away fr disturbed areas.	om		
Run-off effectively controlled.	/	PONDED AGAINST THE EARTH	EK.
		BEKM.	1
Other	ThuSla		THE PERSON
Project SWPPP / BMP plan up to date, on-site ar properly implemented.	nd 🗸		

Deficiency	Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.						
	Corrective Action	Date Completed					
1. PONDING WATER.	NO WORK PERMITTED IN PONDING WATER. WATER TO PERCULATE THRU GROWND PRIOR TO WORK COMMERCEM	10/7/1					
2.							
3.							
4.							
5.							
6.							
7.							
8.							
Part IV. Additional Pre-Sto suspended materials, sheen, disc	rm Observations. Note the presence or absence of coloration, turbidity, odors, and source(s) of pollutants(s).	floating and					
THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY.	nent areas have adequate freeboard? If no, complete Part III.						
Are drainage areas free of spills, leak	s, or uncontrolled pollutant sources? If no, complete Part VII a	nd describe below					
Notes:							
Are stormwater storage and contain	ment areas free of leaks? If no, complete Parts III and/or VII an	d describe below					
Notes:							

Outfall, Discharge Point, or Other Downstream Location	
No Discharge NoticeD.	Description
Location	Description
Location	Description
Location	Description
discharge locations within two business days (48 hours) after each qualify contained stormwater that discharged during or after a qualifying rain even Discharge Location, Storage or Containment Area	visual Observation
IF WAS OBSERVED ON 10/5 AND 10/6 THAT THE WATER FLOWING FROM UPSTREAM WAS CARRING A VERY SMALL CONCENTRATION. THE WAR FLOWING WATER FINALLY PONDED AGAINST THE RUN-OFF CONTROL BERM AT THE END OF THE PROJEC	
CONTROL BERM AT THE END OF THE PROJEC CLEARED AREA.	<u> </u>
Part VII. Additional Corrective Actions Required. Identify a	dditional corrective actions
included with BMP Deficiencies (Part III) above. Note if SWPPP change Required Actions	is required. Implementation Date

Quarterly NS Weekly Pre-S		e-Storm	☐ During Rain	Post-Storm			
Part I. General Info	ormation	4.00					
Project Name/Address:	MURRIETA	CR	EEK	PHI			
WDID#: 9	33037400	07					
EMBAN	livities: 4 GRVBB. ICMENT CONS EXCAVATION	STRUCTI N. (INVE	ou. KT 4 S	(43 61)			
Project Risk Level or L	UP Type:	1		Total Disturbed Soil Ar	ea: 6. acres		
Photos: ⊠Yes □N	No Photo Refe	erence IDs:		Current Inactive DSA:	Oacres		
Inspection Date:	3 /15 Time:	9:001	Am.	Current Active DSA: _	6. acres		
		We	ather	程度制度的			
11 A				Current rain gauge reading: Cumulative rain for this event:			
Time since last storm (2 PAG	Rain ga	uge location: TRAILER.			
outside of business ho	mentation (if insp ours or during danger	pection no	t conduc	ed). Visual inspections s such as flooding or ele	are not required ctrical storms.		
		• 1" per ho	our)	3 AM – 3 PM)			
	1	Ins	pector				
Name: AYAZ	- Upper			Title: Oc	MANAGER &		
Signature:				Date: 10/	13/15		
Reviewed 10/26/15 by	Bruce Lokkesmoe, OS	D #00049	J.	ulallan	,		

Part II. BMP Observations	ОК	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
inventory of stored materials up to date.	MA		
Inactive stockpiles covered and bermed.	1/4		
Chemicals stored in watertight containers with appropriate secondary containment	NA		
Construction materials protected from precipitation			ļ
BMPs for off-site tracking Implemented and effective.	V		
Good Housekeeping - Waste Management		"是我们是我们是不是是	
Wash/rinse water not reaching storm drains.	~		
Portable toilets contained.	~	1	
Portable tollets clean; no apparent leaks and spills.	V		
Material on hand to cover waste disposal containers.	/		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/		
Waste material protected from wind and rain.		<u> </u>	
Procedures in place for both hazardous and non- hazardous spills.	'		ļ . <u>.</u>
Appropriate splll response personnel assigned and trained.	/		<u> </u>
Supplies for cleanup of spills available onsite.		<u> </u>	<u>.</u>
Washouts properly constructed and placed.	N/	A	
Good Housekeeping - Vehicle Storage and Mainte	папс	b .	<u> </u>
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.		1	<u> </u>
Good Housekeeping - Landscape Materials			· · · · ·
Stockpiled landscape materials contained and covered when not in use.	1	<u> </u>	ļ ————————————————————————————————————
Erodible landscape material not applied within 2 days before or during forecasted rain event.	u/,	4	
Erodible landscape materials applied per manufacturer.	1/	a	
Bagged erodible materials on pallets and covered.	<u></u>	<u> </u>	
Good Housekeeping - Air Deposition of Site Mate	rials		·
Measures to control air deposition of site materials.	~	1	

Part II. BMP Observations	ок	Corrective Action Needed	Date Begun
ion-Stormwater Management			
Non-Stormwater discharges properly controlled.			!
/ehicles washed in a manner to prevent discharges o surface waters or drainage systems.	/		
Streets cleaned in a manner to prevent unauthorized non-etormwater discharges to drainage systems.	~		
Froston Controls			
Wind erosion controls effectively implemented.	/		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	/		
Use of plastic materials is limited where reasonable alternative exists.	/		
Sediment Controls	 }		
Perimeter controls established and effective.	/		
Entrances and exits stabilized.			
Sediment basins properly maintained.	\ <u>\</u>		
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	/		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	<u> </u>		+
Run-On and Run-Off Controls Run-on effectively managed and directed away from			
disturbed areas.	\angle		
Run-off effectively controlled.	<u> </u>		
Other	<u>.</u>		
Project SWPPP / BMP plan up to date, on-site and properly implemented.			-
	 -		
<u> </u>	 		
	 		
	<u> </u>		i

	nd Corrective Actions Repairs Implemented: Repairs must begin within 72 hours of identification and be completed as soon as possible.						
Deficiency	Corrective Action	Date Completed					
1. NONE							
2.							
3.							
4.							
5.							
6.							
7.	·-·						
8.							
Part IV. Additional Pre-Stor	m Observations. Note the presence or absence of loration, turbidity, odors, and source(s) of pollutants(s).	f floating and					
Do stormwater storage and containme	ent areas have adequate freeboard? If no, complete Part III.	Yes.					
Are drainage areas free of spills, leaks	o, or uncontrolled pollutant sources? If no, complete Part VII a	and describe below.					
Notes:							
Are stormwater storage and containm	nent areas free of leaks? If no, complete Parts III and/or VII a	nd describe below.y					
Notes:	<u></u>	· -					

Part V. Additional During Storm Observations: If BMPs could inclement weather, list the results of visual inspections at all relevant duffall downstream locations. Note odors or visible sheen on the surface of discharge (Corrective Actions) as needed.	s, discharge points, and arges. Complete Part VII
Outfall, Discharge Point, or Other Downstream Location	
Location N/A.	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations: Visually observations of visually observations within two business days (48 hours) after each qualifying contained stormwater that discharged during or after a qualifying rain even	ng rain event, and stored or
Discharge Location, Storage or Containment Area	Visual Observation
N/A	
-	
Part VII. Additional Corrective Actions Required. Identify ad included with BMP Deficiencies (Part III) above. Note if SWPPP change in	lditional corrective actions not s required.
Required Actions	Implementation Date
N/A	

Quarterly NS	₩we	ekly	Pr	e-Storm	During Rain	☐ Post-Storm
Part I. General Info	ormation					
Project Name/Address:	MUR	RRIET	A C	CREEK	C PH II	
	3037	400	7.			
Construction stage / ac						
CLEAR		-	0	1		
EMBAN	IKMEN	T COV	and (R	JERAP I	PLACEMENT)	
SLOPE	TRUTT	ce in	1		7.	
Project Risk Level or L	UP Type:	1	Y		Total Disturbed Soil Ar	ea: 7.5 acre
4.7	Te	hoto Refer	rence IDs:		Current Inactive DSA:	
Photos: Yes ONo Photo Reference IDs:					Current Inactive DSA.	
Inspection Date: 10/21	1,5	Time:	9:00	AM	Current Active DSA: _	7.5 acres
			WIR THE PRINT THE ROOM BETWEEN	ather		
Beginning of current st	torm:				ain gauge reading:	Ø.
Ouration (hours):	N/A			Charles Andrew	ve rain for this event:	11.00
Time since last storm Amount from last storn		urs): /6 D	445	Rain gau	ge location: TRAILER	2
A SAME AND THE WOOD OF STREET				nummariz/		.
Qualifying Rain Event	(20.5)1 L	Jies M	NO il yes	, summanze	s lo coast.	
Exemption Docu	mentatio	n (if inspe	ection no	t conducte	ed). Visual inspections	are not required
outside of business ho	ours or duri	ng dangero	ous weathe	r conditions	such as flooding or ele	ctrical storms.
□ Rain event occu	urred outs	ide sched	duled site	hours (6	AM – 3 PM)	
 □ Dangerous con □ Extremel 	ditions on ly heavy r	site: ainfall (>	1" per ho	our)		
□ Electrica			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
☐ Flooding						
☐ Other:	anestralia:	N. C. C.	lns	pector	以	
		((F) [19] [19] [19] [19]		Title: 6	(1)
Name: MAZ	UDA	N.		_	MIGGE WA	NAGEL. US
Signature:	M	1			Date: 1	0/21/15
					1 1/2	//
Reviewed 10/26/15 by:	Bruce Lokk	esmoe, QSI	D #00049	4	mullellen	

Part II. BMP Observations	ok :	Corrective Action Needed	Date Begun
Good Housekeeping - Construction Materials			
nventory of stored materials up to date.	N/A		
nactive stockpiles covered and bermed.	N/A.		
Chemicals stored in watertight containers with appropriate secondary containment	M/A		
Construction materials protected from precipitation	/		
BMPs for off-site tracking implemented and effective.	M		N-YARAFIE SERVEY
Good Housekeeping - Waste Management			
Wash/rinse water not reaching storm drains.	V		
Portable toilets contained.	~		
Portable toilets clean; no apparent leaks and spills.	/		
Material on hand to cover waste disposal containers.	V		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	V		
Waste material protected from wind and rain.	~		
Procedures in place for both hazardous and non- hazardous spills.	V		
Appropriate spill response personnel assigned and trained.	/		
Supplies for cleanup of spills available onsite.	V		-
Washouts properly constructed and placed.	NA		THE RESERVE SHIP
Good Housekeeping - Vehicle Storage and Mainter	ance	新疆里 医扩张器 医静脉炎炎	
Measures to prevent oil, grease, or fuel from leaking.	/		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/		
Vehicle and equipment leaks cleaned immediately and disposed properly.	~	The state of the s	a establishment
Good Housekeeping - Landscape Materials		指統領域等級語用的語為於自然	
Stockpiled landscape materials contained and covered when not in use.	NA		
Erodible landscape material not applied within 2 days before or during forecasted rain event.	H/A		
Erodible landscape materials applied per manufacturer.	MA		
Bagged erodible materials on pallets and covered.	NA	MARCHES STEELSMAN	MANUARE
Good Housekeeping - Air Deposition of Site Mater	ials		
Measures to control air deposition of site materials.	~		

Part II. BMP Observations	oK	Corrective Action Needed Begun	5
Von-Stormwater Management			
Non-Stormwater discharges properly controlled.	/		_
/ehicles washed in a manner to prevent discharges o surface waters or drainage systems.	N/A		
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	/		-
Erosion Controls			SUP NO.
Wind erosion controls effectively implemented.	/		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	NJA		
Use of plastic materials is limited where reasonable alternative exists.	/		
Sediment Controls			
Perimeter controls established and effective.		ADDITIONAL SILT FENCE + F. R. 10/3	3
Entrances and exits stabilized.	V		1
Sediment basins properly maintained.	NA		
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A		
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	V		_
Run-On and Run-Off Controls			47/4
Run-on effectively managed and directed away from disturbed areas.		SILT FENCE, EARTHEN BERMS, F.R. TO BE INSTALLED MENGETH SLOPES 10/	2
Run-off effectively controlled.	V	EARTHEN BERM PLACED AT	
		DOWN STREAM END OF PROJECT	
Other			
Project SWPPP / BMP plan up to date, on-site and properly implemented.	~		
			_
	1		_

Deficiency	Repairs Implemented: Repairs must begin identification and be completed as soon as	n within 72 hours of possible.
	Corrective Action	Date Completed
RUN-ON CONTROL	ST SIDE LASTALL SILT FENCE /FIRER IN TOP OF SLOPES (MAIN ST TO	COLL AT ON-GOING PROJECT LIMIT.
2.		
3.		
4.		
5.		
6.		
7.		
8.		
Part IV. Additional Prospended materials, shee	e-Storm Observations. Note the presence or n, discoloration, turbidity, odors, and source(s) of po	absence of floating and ollutants(s).
Land of Date and Assessment of the Control of the C	ontainment areas have adequate freeboard? If no, compl	
Are drainage areas free of spi	lls, leaks, or uncontrolled pollutant sources? If no, comple	ete Part VII and describe below
Notes:		
Are stormwater storage and	containment areas free of leaks? If no, complete Parts III	and/or VII and describe below

Part V-Additional During Storm Observations of BMP counting Independent year for the results of subfined utilisely and the downstream locations. Note odors of visities hear of the subfined of the subfined to the subfined odors of the subfined to the subfined odors of the subfined to the subfined odors of the subfined odors odo	si discharge comis, and in a complete Part VIII
Corrector Actions as needed to the things of the course of	
Location	Description
Location	Description
	Donatelia a
Location	Description
	Description
Location	3333173311
Part VI Additional Post Storm Observations avistally observ	(inspeci) stormwater
21 France A alone within two bitsiness days (46 hours) after each qualifyl	no rain event and stored or
contained stormwater that discharged during or after a challfying rain even	建设设施设施设施设施设施设施设施设施
Discharge Location: Storage of Containment Area (1997) 1887 1897	Visual Observation
wallands of successions of the succession of the	
1	
THE TANK A DIMENSION OF THE PARTITION OF	dilional corrective actions oct
Part VII Additional Corrective Actions Required Continued Included Wild BMP Deficiencies (Part III) above I Note if SWERE chance I	s required
Required Actions	Implementation Date
CONTRACTOR OF THE PROPERTY OF	1 141 151 161 341 161 161 161 161 161 161 161 161 161 1

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Quarterly NS	⊠w	eekly	☐ Pre-S	torm	During Rain	☐ Post-Storm
Part I. General In	formatio	n de la companya de l				
Project Name/Addres	s: Mur	CIETA	Creek	P	HASE II.	
WDID#: 933C3	74007	A . J. CO.				
Construction stage / a		EAST	side			
cutting s	stope o	N EAGI		. , s	FRUCE.	- '
MELVILLE	SILL	FENCE	\$ 200			
Project Risk Level or	I I ID Type:	77			Total Disturbed Soil A	rea:acres
		Photo Refe	rence IDs:			
Photos:	No	Contract of the Contract of th	arence ibs.		Current Inactive DSA:	acres
Inspection Date:	5	Time:	11:30 A		Current Active DSA: _	acres
			Weat	4 FF #23525570		
Beginning of current Duration (hours):	storm:				rain gauge reading: ive rain for this event;	0
Time since last storn	dove or h	ours).		2000	uge location:	
Amount from last sto		ours).			TRAILER	
Qualifying Rain Ever	nt (≥ 0.5")?	□Yes □	No If yes, s	ummariz	e forecast:	
Evana Doc	umentati	on (if Insp	ection not c	anduct	ed). Visual Inspection	s are not required
outside of business	hours or di	ring danger	ous weather o	obdition	s such as flooding or el	ectrical storms.
☐ Rain event oc	curred ou	tside sche	duled site h	ours (6	AM-3PM)	
☐ Dangerous co	nditions o elv heavy	rainfall (>	1" per hou)		
☐ Electric	al storm	lightning)				
☐ Floodin☐ Other:	g					
	MASSINIA		Inspe	ctor		
Name: A	4A2 A	UDDI	N		Title:	92S
Signature:		la			Date: 11.3	·15

art II. BMP Observations god Housekeeping - Construction Materials	ok	7	tivé Action N		Begun
ventory of stored materials up to date.	を と		Had to have due	在4.0062500公司	CONTRACTOR CONTRACTOR
active stockpiles covered and bermed.	MA				
hemicals stored in watertight containers with	N/A				
onstruction materials protected from precipitation	MA				
MPs for off-site tracking implemented and effective.	AF	Gravel	& SHA	Ker Die	tes inst
pód Housekeeping - Waste Management		SIAVEL			
/ash/rinse water not reaching storm drains.	CATTO TO	TO BRITISH STREET	SALES AND	SERVICE TO SCHOOL	2000103000
ortable tollets contained.	1				
ortable toilets clean; no apparent leaks and spills.	V				
Material on hand to cover waste disposal containers.	1				
Discharges from waste disposal containers prevented rom entering storm drain system / receiving water.	1				
Vaste material protected from wind and rain.	1	40 Yrd	Dumps	ter on	site
Procedures in place for both hazardous and non- nazardous spills.	/				S ON-
Appropriate spill response personnel assigned and rained.	1				
Supplies for cleanup of spills available onsite.	V				
Washouts properly constructed and placed.	NA				000 (100 pp. 100 pp. 1
Good Housekeeping / Vehicle Storage and Mainte	nance				
Measures to prevent oil, grease, or fuel from leaking.	1	Drip	PANS	UNde	CAIL E
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	1				
Vehicle and equipment leaks cleaned immediately and disposed properly.	V		20 - 20 - 100 21 - 20 11	mananie sale mie	27550100475109
Good Housekeeping - Landscape Materials	BIH		Landill.		
Stockpiled landscape materials contained and	1	1			
covered when not in use.					
covered when not in use. Erodible landscape material not applied within 2 days before or during forecasted rain event.	1/	4			
Erodible landscape material not applied within 2 days before or during forecasted rain event. Erodible landscape materials applied per manufacturer.	V/.				
Erodible landscape material not applied within 2 days before or during forecasted rain event. Erodible landscape materials applied per manufacturer. Bagged erodible materials on pallets and covered.	N/2	A	2620050-200	un sikerawa	KODSKI MIDIIA
Erodible landscape material not applied within 2 days before or during forecasted rain event. Erodible landscape materials applied per manufacturer.	N/2	A		K 0H-5	

Ion-Stormwater discharges properly controlled. //ehicles washed in a manner to prevent discharges or surface waters or drainage systems. Streets cleaned in a manner to prevent unauthorized ion-stormwater discharges to drainage systems. Frosion Controls Wind erosion controls effectively implemented. Effective soll cover provided for inactive disturbed areas, finished slopes, etc. Jse of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Silf Fence Entrances and exits stabilized. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	Part II. BMP Observations	οĸ	Corective Action Needed	Date Begun
rehicles washed in a manner to prevent discharges of surface waters or drainage systems. Streets cleaned in a manner to prevent unauthorized from stormwater discharges to drainage systems. Frosion Controls WA Frosion Controls Wind erosion controls effectively implemented. Freetive soil cover provided for inactive disturbed areas, finished slopes, etc. Jse of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 283 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-on effectively managed and directed away from disturbed areas. Run-on effectively controlled. Fund of Project Other Project SWPPP / BMP plan up to date, on-site and	on-Stormwater Management			
osurface waters or drainage systems. Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems. Frosion Controls Wind erosion controls effectively implemented. Seffective soil cover provided for inactive disturbed areas, finished slopes, etc. Jas of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 283 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Set in INSTAILed At South End of Project Other Project SWPPP / BMP plan up to date, on-site and	Ion-Stormwater discharges properly controlled.	1		
Inconstormwater discharges to drainage systems. Frosion Controls Wind erosion controls effectively implemented. Effective soil cover provided for inactive disturbed areas, finished slopes, etc. Use of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Entrances and exits stabilized. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Beyn Installed At South End of Project Other Project SWPPP/BMP plan up to date, on-site and	Pehicles washed in a manner to prevent discharges o surface waters or drainage systems.	M/A		
Wind erosion controls effectively implemented. Effective soll cover provided for inactive disturbed areas, finished slopes, etc. Use of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Entrances and exits stabilized. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-On and Run-Off Controls Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. End of Project Other Project SWPPP / BMP plan up to date, on-site and	Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	1		
Effective soil cover provided for inactive disturbed areas, finished slopes, etc. Jes of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Entrances and exits stabilized. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-On and Run-Off Controls Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Selim INSTALLED AT SOUTH END OF Project Other Project SWPPP / BMP plan up to date, on-site and	Erosion Controls			
Areas, finished slopes, etc. Jose of plastic materials is limited where reasonable alternative exists. Sediment Controls Perimeter controls established and effective. Entrances and exits stabilized. Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-On and Run-Off Controls Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Bern Installed At South End of Project Other Project SWPPP / BMP plan up to date, on-site and	Wind erosion controls effectively implemented.	N/A		
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Perimeter controls established and effective. Entrances and exits stabilized. SHARRI Plates At Botth E Sediment basins properly maintained. Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only) Enforce use of stabilized exits and inspect access roads daily (RL 2/3) Run-On and Run-Off Controls Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Bern INStalled At South End of Project Other Project SWPPP / BMP plan up to date, on-site and	Use of plastic materials is limited where reasonable alternative exists.	1		
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Run-on effectively managed and directed away from disturbed areas. Run-off effectively controlled. Bern Installed At South End of Project Other Project SWPPP / BMP plan up to date, on-site and	Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	V		
disturbed areas. Run-off effectively controlled. Run-off effectively controlled. Bein installed at south End of Project Other Project SWPPP / BMP plan up to date, on-site and	Run-On and Run-Off Controls			Spirith M.
Other Project SWPPP / BMP plan up to date, on-site and	Run-on effectively managed and directed away from disturbed areas.			
Other Project SWPPP / BMP plan up to date, on-site and	Run-off effectively controlled.	/		SOUTH
Project SWPPP / BMP plan up to date, on-site and				one ensured la
Project SWPPP / BMP plan up to date, on-site and properly implemented.		线加		
	Project SWPPP / BMP plan up to date, on-site and properly implemented.	V		
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Conrectly		Completed
Observations: Note	the presence or absence of	filloating and
areas have adequate freebo	oard? Ifm, complete Part III.	
or uncontrolled pollutant sour	ces? If no, complete Part VII a	and describe below.
nt areas free of leaks? If no,		
	ration, turbidity, odors, and t areas have adequate freebo or uncontrolled pollutant sour	Observations. Note the presence of absence of ration, turbidity, odors, and sources, of pollulants sit areas have adequate freeboard? If no, complete Part III. or uncontrolled pollutant sources? If no, complete Part VII a

Part V. Additional During Storm Observations. If BMPs (U inclement weather, is) the results of visual inspections at all relevent of P downstream locations. Note odors or visible sheep on the surface of A.V.	d not be inspected during is, discharge points, and jaiges. Complete Part VII.
Corrective Actions) as needed Outfall, Discharge Point, or Other Downstream Location Location	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually of a discharge locations within two business days (48 hours) after each stall.	ing rain event, and stored or
contained stormwater that dispharged during or after a qualifying fain itell. Discharge Location, Storage or Containment Area.	Visual Observation
Part VII. Additional Corrective Actions Required. Identical Included with BMP Deficiencies (Part III) above. Note if SWPPP charge	cditional corrective actions not // is required
Required Actions	Mplementation Date

Quarterly NS	Weekly	☐ Pre-Storm	During Rain	☐ Post-Storm
eri General in	omaller: I			
roject Name/Address	MUTTLE	ta creek PH	DSB T	
VDID#: 933C3	74007			4
construction stage / a	ctivities:			
Placing	RIP BA	P WEST A SI	ide North	ENd
Project Risk Level or	LUP Type: 1		Total Disturbed Soil Ar	ea:acres
Photos: □Yes □	Dhal	o Reference IDs:	Current Inactive DSA:	acres
Inspection Date:		Time: 9:30 AM	Current Active DSA: _	acres
(1.16.		AND MANAGEMENTS		
Beginning of current	storm:		t rain garge reading: ative rain for this event:	0
Duration (hours):				
Time since last storn Amount from last sto	n (days or hours orm:): Rain g	auge location:	
		es 🗆 No if yes, summar	ize forecast:	
acomying them				
ของสารที่กระสารสารสารสาร	nucisanus sin			Maranom reduired
Exemplo Do	umer (a) o)	eenegaani Kaneenegaani	distanti se reperci	stere nourceules Source attents
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□ Rain event of	curred outsid	e scheduled site hours ite:	2000年1月1日 1月1日 1月1日 1月1日 1日日 1日日 1日日 1日日 1日日	stere rour reculter? Entres steres
☐ Rain event or ☐ Dangerous or ☐ Extrem	courred outsident conditions on since the course	e scheduled site hours ite: nfall (> 1" per hour)	2000年1月1日 1月1日 1月1日 1月1日 1日日 1日日 1日日 1日日 1日日	stere co, reculter entre la terre
☐ Rain event or ☐ Dangerous or ☐ Extrem	courred outside anditions on s nely heavy raid and storm (ligh	e scheduled site hours ite: nfall (> 1" per hour)	2000年1月1日 1月1日 1月1日 1月1日 1日日 1日日 1日日 1日日 1日日	lere-co, providejo do gaj starris
□ Rain event or □ Dangerous or □ Extren	ccurred outside onditions on sinely heavy raid ical storm (lighting	e scheduled site hours ite: nfall (> 1" per hour)	2000年1月1日 1月1日 1月1日 1月1日 1日日 1日日 1日日 1日日 1日日	skere-co, reculteid edugia starris
Rain event of Dangerous of Extrem	ccurred outside onditions on sinely heavy raid ical storm (lighting	e scheduled site hours ite: nfall (> 1" per hour) itning)	(6 AM - 3 PM)	Neri-co, reculted do pa starris
Rain event or Dangerous or Extrem	ccurred outside onditions on sinely heavy raid ical storm (lighting	e scheduled site hours ite: nfall (> 1" per hour)	(6 AM - 3 PM))sP

ventory of stored materials up to date.	N/A	223380						4		
active stockpiles covered and bermed.	1							4		
hemicals stored in watertight containers with ppropriate secondary containment	MA				_		70	-		
construction materials protected from precipitation	N/A				_	+ -	1	-, '	2 /11	- 12
MPs for off-site tracking implemented and effective.	V	S	HALL	r Pl	ATCS.	\$ G	DIVE!	A+	BOTH	Exit
inver acuse weeking - Waste Mahagemen Vash/rinse water not reaching storm drains.	V							100		
Portable toilets contained.	1									
Portable tollets clean; no apparent leaks and spills.	1					-				
Material on hand to cover waste disposal containers.	1									
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	1									
Waste material protected from wind and rain.	V							\rightarrow		
Procedures in place for both hazardous and non- hazardous spills.	1							_		
Appropriate spill response personnel assigned and trained.	V	1						_		
Supplies for cleanup of spills available onsite.	1	-		-			+	\rightarrow		
Washouts properly constructed and placed.	NI	DESIGNATION OF	anne de	Salen Stoll	QUESTION OF	YES DESCRIPTION	11011/25	a Charle		
Gpau Housekeeping . Vehicle Sterage and Mainte	mane				想领		26236		1	
Measures to prevent oil, grease, or fuel from leaking.	V	-	Dire	PAI	is 1) Nde	PA	rece	9 60	Off ine
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	V	1								
Vehicle and equipment leaks cleaned immediately	V CONTRACTOR OF THE PARTY OF TH	20833			A0 29 7 11 1	Ula Novel	garanta.	R. C.		
and disposed property. Good Housekeeping Landscape Materials	A LOTS	THE S	N. Y. A	DVIE	Ryston		SP ST 17	SALAN		
Stockpiled landscape materials contained and covered when not in use.	V	1					1			
Erodible landscape material not applied within 2 day before or during forecasted rain event.	's N	A								
Erodible landscape materials applied per manufacturer.	14		_					_	1	
Bagged erodible materials on pallets and covered.	No. of the last	A		A CHARLES	in also		Margarett	18/18		
Good Housekeeping - Air Deposition of Site Ma	erlais	MA			Na Web		J-Sit		EL .	

STATEMENT AND		seesse.					
von-Stormwater discharges properly controlled.	$\sqrt{}$	· · · · · · · · · · · · · · · · · · ·					
/ehicles washed in a manner to prevent discharges o auriace waters or drainage systems.	14/4						
Streets cleaned in a marrner to prevent unauthorized non-stormwater discharges to drainage systems.	M						
		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)					
Wind erosion controls effectively implemented.	MA		-				
Effective soil cover provided for inactive disturbed areas, finished alopes, etc.	N/A						
Use of plastic materials is limited where ressonable alternative exists.	M						
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Perimeter controls established and effective.		2 1/1	Fe	NCE			
Entrances and exits stabilized.	17	<u></u>					
Sediment basins properly maintained.	ν <u>/</u> Δ			• • •			
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A						
Enforce use of stabilized exits and inspect access roads delity (RL 2/3)		,,,					
			and the same of th	A served as		air in an a	
Run-on effectively managed and directed away from disturbed areas.						**************************************	
Run-off effectively controlled.	1	Be.	<u> </u>	<u> </u>	end	υŧ	P10J6
COMPANIA CALABATA DE LEVELA				M			
Project SWPPP / BMP plan up to date, on-site and property implemented.	_ \	<u>L</u> -					<u> </u>
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Are slormwater storage and containment areas free of leake? If no, complete Part VII and describe be Notes:					1		
Are stormwater storage and containment areas free of leake? If no, complete? art III and/or VII and describe be		\$12.0 PASTA (1) 2		And Property	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	The section of	1,45,150 A.A.
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Are slormwater storage and containment areas free of leake? If no, complete Part VII and describe be	·					. <u>.</u>	
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3. 7. 8. Do atomiwater storage and containment areas have adequate freeboard? If a complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutent sources? If a complete Part VII and describe be Notes: Are stormwater storage and containment areas free of leaks? If no, complete? arts III and/or VII and describe be		:		·			
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Bo atomiwater storage and containment areas have adequate freeboard? If it complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant ecurces? If it complete Part VII and describe be Notes: Are stormwater storage and containment areas free of leaks? If no, complete? and/or VIII and describe be).						
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Are drainage areas free of spills, leaks, or uncontrolled pollutant ecurces? If m complete Part VII and describe be Notes: Are stormwater, storage and containment areas free of leaks? If no, complete/arts III and/or VII and describe be	3.		··				
Are drainage areas free of spills, leaks, or uncontrolled pollutant ecurces? If m complete Part VII and describe be Notes: Are stormwater, storage and containment areas free of leaks? If no, complete/arts III and/or VII and describe be	Do stormwater storage	and containment a	upebe evan zaer	ats (reeboard)	If its, complete	Part III.	
Are stormwater storage and containment areas free of leake? If no, complete and/or VII and describe be	Are drainage areas free	of sollis, leaks, or i	incontrolled polk	tent ecurces?	If is, complete	Part VII and (jescribe below
	Notes:						
	Are slomwater slorer	je and containment	areas free of les	ke? If no, com	pleb?arts III. ar	nd/or VII and I	tescribe below
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en VII. Additional Corrective Actions Requite	
Regul/ed Actions	infolementation Date

Quarterly NS	₩weekly	☐ Pre-Storm	During Rain	Post-Storm		
art i General info	rmation:					
roject Name/Address:	Muirieta	creek P	HDSB II			
VDID#: 933C37	1007					
Construction stage / ac	tivilles: Rip Rap	East side	At North	ENd		
Project Risk Level or L	UP Type: II		Total Disturbed Soil Ar	rea:acres		
Photos: □Yes □I	No Photo Re	ference IDs:	Current Inactive DSA:	acres		
Inspection Date:	Time	8:00 AM	Current Active DSA: _	acres		
11.17.15		Weather				
Beginning of current s Duration (hours):	torm:	Curren	nt rain gauge reading: ative rain for this event;			
Time since last storm Amount from last stor	(days or hours): m:	gauge location:				
Exemption Dodi	imentation (in lours or 621) iden urred outside sc	No if yes, summa spection not danced serous vesiner condition heduled site hours (> 1" per hour) g)	oteojji vaja inspector staskiji a coorigiore	Slace rounaculter Adhhal Slams		
☐ Floodin ☐ Other:	9		14 78 10 50 63 14	1815 A. W. T. S. W. T. L. S.		
THE REPORT OF THE PARTY OF THE	1. A.		Title	QOP		
Name:	VAZ VI	MC	W. Co. 12 12	1		
Signature:	1 1 1		Date: 11 - 15	5.15		

Sasa Heusekkeping (Censtiludion Materials)				Tax	111			
nventory of stored materials up to date.	N/A	1623	M CONTRACT					
nactive stockpiles covered and bermed.	1							
Chemicals stored in watertight containers with appropriate secondary containment	MA							7
Construction materials protected from precipitation	N/A							
BMPs for off-site tracking implemented and effective.					2000120000		a section	60.5
Good Housekeecing - WasterManagement - 1	推拔							
Wash/rinse water not reaching storm drains.	V							
Portable toilets contained.	1							_
Portable toilets clean; no apparent leaks and spills.	1							_
Material on hand to cover waste disposal containers.	1							
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	1							
Waste material protected from wind and rain.	/	V					_	
Procedures in place for both hazardous and non- hazardous spills.	1	1						
Appropriate spill response personnel assigned and trained.	1	1						
Supplies for cleanup of spills available onsite.	1	-					-	-
Washouts properly constructed and placed.	M/4	THE REAL PROPERTY.	new Man	1. hours	ALTER CONT.	A.Yer k	1701 FEB 18	es de
Good Housekeeping: Vehicle Storage and Malifite	nagg					2000	*192X	de la
Measures to prevent oil, grease, or fuel from leaking.	1	1	DU	9 9	ZMA	IN	Pla	66
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	1	1						
Vehicle and equipment leaks cleaned immediately and disposed properly.	X KYRIY	(Fig.	Y W DAY	STATE OF THE STATE	nauner	NO.	27720	
Good Housekeeping . Landscape Materials	Marin				PHATE.	18 146	DE LA	
Stockpiled landscape materials contained and covered when not in use.	V	4		_				
Erodible landscape material not applied within 2 day before or during forecasted rain event.	S N/	A						-
Erodible landscape materials applied per manufacturer.	-	14	-		_		4	-
Bagged erodible materials on pallets and covered.	N. Wallet	A	STITLE STA	22 SA	(k)1(040)	STATE OF	12.20	2121
Good Housekeeping - Air Deposition of Site Mat	erials	THE PERSON NAMED IN						

			WW.V.C.		70 / 1 (1) 10 / 5 (1)	
					TERRITATIONAL	
Von-Stormwater discharges properly controlled.	$ \checkmark $				_{-	
Vehicles washed in a manner to prevent disoherges to auriace waters or drainage systems.	NA					
Streets cleaned in a manner to prevent unauthorized non-atormwater discharges to drainage systems.			·		_ }	
			ing the later of	rage som sidense	52000000000	NO TOTAL
<u> Partinga da ana kalanta da ada ana a</u>		March 1		<u> Technical</u>	STATE OF THE PARTY.	
Wind erosion controls effectively implemented.	NA				_	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	MA		. <u> </u>		- -	
Use of plastic materials is limited where reasonable alternative exists.	14					
		nnager gewarde (1884)	N 851 (PM 1894)	an ya Kiinaan	34 (FR (51 M 3)	275022
de la la companya de						
Perimeter controls established and effective.	🗸	Sit 8	FUNCE	Around	! ENT	ie Projec
Entrances and exits stabilized.	14	SHAK	91	Plates	LNSta	<u>11ed</u>
Sediment basins properly maintained.	ΗA					
Linear barriers at toe/face/grade breaks of exposed slopes (RL 283 only)	M/A					
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	14				_	
Run-on effectively managed and directed away from disturbed areas.						
Run-off effectively controlled.	1	Berm	Δ⊁	South	TIENG	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	\ <u>\</u>					
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Do stormwater eto	rage and containment free of spills, laaks,	os uscantrales	equate freeboard	17 If its complete P	art III.
Notes:	Tree or spills, liters,	or discouliones p			
Are stormwaler s	lorage and containme	ent areas free of	leeks? If no, co	mple's Parts Ill and	for VII and describ

STATE STATE OF THE PARTY OF			類為助		Description		
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22912, 24 10 10 10 10 11 11 11 11 11							
							

Quarterly NS	Weekly	☐ Pre-Storm	During Rain	Post-Storm			
Part I General In	(Dimetion) i						
Project Name/Addres	s: MULLIE	th creek P	HASE I				
	74607						
Construction stage / a	viic Fil	I At South	Fud				
DEN	DOWNE DE	11 At South 2bris & Rip	245				
P.C.I.	3 0	-0.13	ICAP				
Project Risk Level or	LUP Type:]	Total Disturbed Soil Area:	acres				
Photos: ☐Yes □	JNo Phot	o Reference IDs:	Current Inactive DSA:	acres			
Inspection Date: \1.	24.15	Time: 2:00 Pm	Current Active DSA:	acres			
		Weather					
Beginning of current	storm:		ent rain gauge reading:)			
Duration (hours):	m (days or hours)		Rain gauge location:				
Time since last store Amount from last store	orm:		Trailer				
Qualifying Rain Eve	nt (≥ 0.5")? □Y	es No If yes, summ	arize forecast				
	umentation	f inspection not cond	eleted): Sua inspections are n	orequired in			
outside of business	hours on ouring	danger qua weat ten qui m		storms ! !!!			
☐ Rain event or	curred outside	scheduled site hours	s (6 AM - 3 PM)				
□ Dangerous co	nely heavy rain	nfall (> 1" per nour)					
☐ Electri	cal storm (ligh	tning)					
□ Other:		one (III)	100 Mar Report Control of the Control				
		Inspecto	THE COUNTY AND ASSESSMENTS				
Name:	A2 1)	No In	Title: CSP	00			
		71 7 7					

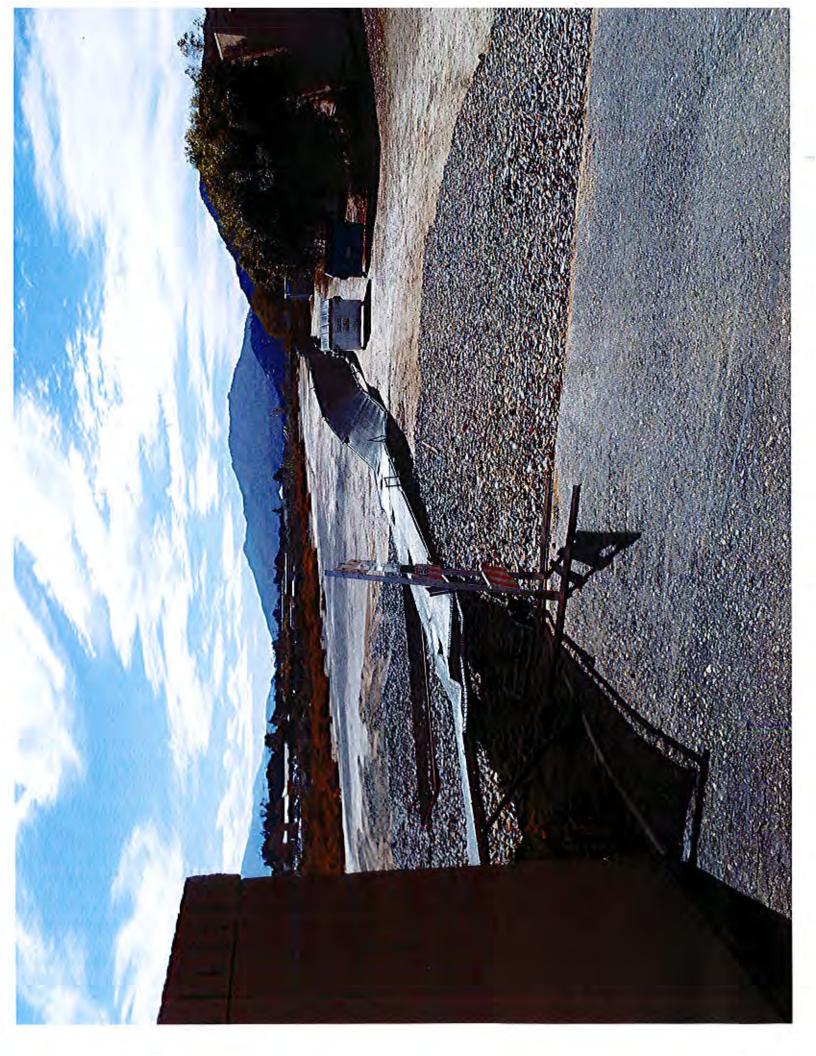
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nventory of stored materials up to date.	M/A	
nactive stockpiles covered and bermed,		
Chemicals stored in watertight containers with appropriate secondary containment	N/A	1
Construction materials protected from predipitation	M/A	
BMPs for off-site tracking implemented and effective.		SHAKE Plates INStalled
		建设设置的设计。
Wash/drise water not reaching storm drains.	\checkmark	
Portable toilets contained.	1	
Portable toilets clean; no apparent leaks and spills.		
Material on hand to cover waste disposal containers.		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	~	
Waste material protected from wind and rain.	/	
Procedures in place for both hazardous and non- hazardous spills.	/	
Appropriate spill response personnel assigned and trained.	/	<u></u>
Supplies for cleanup of spills available onsite.	1	<u> </u>
Washouts properly constructed and placed.	M/A	NO.
Bandara and Albert Market and Albert Andrews		
Messures to prevent oil, gresse, or fuel from leaking.	\perp	DOD DANS IN USE
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	✓	
Vehicle and equipment leaks cleaned immediately and disposed properly.	1	
Stockpiled landscape materials contained and covered when not in use.	V	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	1/	A
Erodible tandscape materials applied per manufacturer.	14/	
Bagged erodible materials on pallets and covered.	M	えごう かいえ こうとて アスティー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
28.64.000亿分。14.64年34.0564.154.15		
Measures to control air deposition of site materials.	\ <u>\</u>	

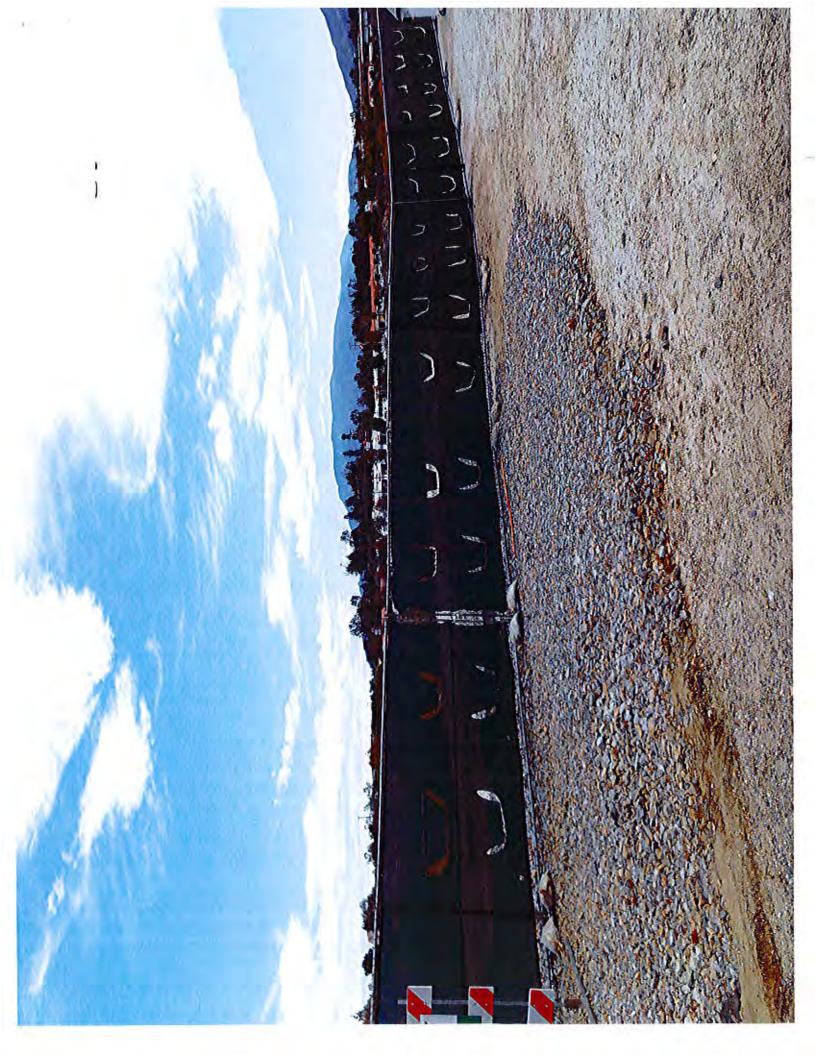
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			AND LESS OF	CHEST THE		NAME OF TAXABLE		2 HORSU	
on-Stormwater discharges properly controlled.		_	, <u></u> .						
phicles washed in a manner to prevent discharges auriace waters or drainage systems.	M/A							_	
reets cleaned in a manner to prevent unauthorized on-stormwater discharges to drainage systems.								_	
orden en sechen treet der sen serve en de leet en leet en de leet en leet en leet en leet en leet en leet en l	(D)	nere e dis		Tiens					
find erosion controls effectively implemented.	MA	80 (E. 4002) -	Jane 1	žistenstor.	Ne s Verilland	200 1347	serra si si u	N.C.S.N.	
ffective sall cover provided for inactive disturbed reas, finished slopes, etc.	MA								
se of plastic materials is limited where reasonable iternative exists.									
acoolii eeriksaanii ahiin alaan		n Newton		1837	<u> </u>				
erimeter controls established and effective.	1	514	4 (Mou		NCE	M)	D(p) pi
intrances and exits stabilized.	<u>*</u>	2114	<u>*</u> -		- <u> C</u>	V.C.C.	(17	14.	C.C.
· · · · · · · · · · · · · · · · · · ·	1./.							\dashv	
sediment basins properly maintained. inear barriers at toe/face/grade breaks of exposed	N/A	<u> </u>	_				 -		
iopes (RL 2&3 only)	N/A						<u> </u>		
nforce use of stabilized exits and inspect access oads daily (RL 2/3)	/	···-							
Run-on effectively managed and directed away from disturbed areas.									
Run-off effectively controlled.	_ / _	<u> 36₹</u>	<u>~</u>	44	50	<u> 44</u>	5NC	1 04	Pr
	R SPA				SYME!			owen	
Project SWPPP / BMP plan up to date, on-site and	MARKET	# 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		阿拉特馬	321 M 198	Market St.	Maria Maria		1
properly implemented.							 		-
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									- - - - -

atlelancy:	cles and Correcti Repails Int	(amprielu secio	s sega vita 124 Sons siossiple: 1	oura of an
sticiency		i de de le la vell		Date Completed
i.				
i.				
ant IV. Additional F	re-Storm Observa	t rons: Note the and Oruge bits and out	sande all absence of es) of pollutants (s)	floating and
o stormwater storage and	containment areas have	adequate freeboard? If		
Are drainage areas free of s	pills, leaks, or uncontrolle	d pollutant sources? If	ne, complete Part VII a	nd describe below.
Notes:				
Are stormwater storage an	d containment areas free	of leaks? If no, comple	aParts III and/or VII a	nd describe below.
			~	

Description Location Description Location Description Location Description Location





Quarterly NS	Weekly	☐ Pre	-Slorm	During Rain	Post-Storm
Project Name/Addres	8: MUITIE	to creek	P ₁	INSO II	
	74067			<u> </u>	
Construction stage / a		ا مما	يا ا	المالية المسترات	Each
		•		ris south	
t no	d blacin	2 Bibl	2AP	aroshg No	so 0+
80	dse				
Project Risk Level or	LUP Type: TI			Total Disturbed Soil An	ea: acres
Photos: □Yes □	INo Photo	Reference IDs:		Current Inactive DSA:	acres
Inspection Date:		me: ფ: /ბა	ΑM	Current Active DSA:	acres
Beginning of current Duration (hours):	atorm:			rein gauge reading: Ive rain for this event:	- →
Time since last storm Amount from last sto	, -		Rain gau	ige location: Teasle	r
Qualifying Rain Ever	nt (≥ 0.5")? □Yes	No if yes,	summariz	e forecast:	
l					
•					
		representation (*) Proprietario	71 (11 15 15 1) 18(06 [[6]) (15) (
☐ Rain event occ	AN ARTEST TO ANOTHER CONT	0.57775×0.0000	hours (6	AM - 3 PM\	Barandar (September)
□ Dangerous cor	nditions on site:			·	
☐ Extreme	ely heavy rainfa at storm (lightni	ll (> 1" per hoi ng)	ur)		
□ Floodin		· · · · · · · · · · · · · · · · · · ·			
☐ Other:			žeovos.		
			<u> </u>	Title:	
Name:	1A2 UD	// کلاا			(59
Signature:	\bigcirc		<u>-</u>	Dete: 17 · (·	15

ANTENIANITATA PARTITANA	AND AND A SECURITY OF THE SECU
Andle Macking White Colored income constitution (serves)	
nventory of stored materials up to date.	N/A
nactive stockpiles covered and bermed.	
Chemicals stored in watertight containers with appropriate secondary containment	Wa
Construction materials protected from precipitation	N/A
3MPs for off-site tracking implemented and effective.	GIAIRI & SHAKET Plates
Wash/rinse water not reaching storm drains.	
Portable toilets contained.	
Portable toilets clean; no apparent leaks and spills.	
Material on hand to cover waste disposal containers.	
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	
Waste material protected from wind and rain.	
Procedures in place for both hazardous and non- hazardous spills.	
Appropriate spili response personnel assigned and trained.	
Supplies for cleanup of spills available onsite.	
Washouts properly constructed and placed.	NA
ดเสมัยสายเกราะสายสายสายสายสายสายสายสายสายสายสายสายสายส	
Measures to prevent oil, grease, or fuel from leaking.	V All Darked EQUIPMENT HAVE DKIP POR
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	
Vehicle and equipment leaks cleaned immediately and disposed properly.	
Stockpiled landscape materials contained and covered when not in use.	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	\/A
Erodible landscape materials applied per manufacturer.	MA
Bagged erodible materials on paliets and covered.	
Measures to control air deposition of site materials.	Y

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Part II. BMP Observations	GK	garactiva Action, Neaded Begun
Non-Stormwater Management		
Non-Stormwater discharges properly controlled.	1	
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	MA	
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	~	
Erosion Controls		
Wind erosion controls effectively implemented.	MA	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	NA	
Use of plastic materials is limited where reasonable alternative exists.	1	
Sediment Controls		
Perimeter controls established and effective.	1	silt FENCE IN PIECE
Entrances and exits stabilized.	1/	
Sediment basins properly maintained.	N/A	
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A	
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	/	
Run-On and Run-Off Controls		
Run-on effectively managed and directed away from disturbed areas.		
Run-off effectively controlled.	V	Berm IN PLACE!
Other	THE PARTY AND	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	/	

					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
1.	e eren mann er Alas (II)	AND DESCRIPTION OF THE PARTY OF	zó doth con manaca		S2
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7.				•••	
8.					
				radio di Profesione Programma	
·	orage and containmer as free of spills, leaks,				
Notes:					
Are stormwater s	torage and containms	el lo eefi saena jne	aka? If no, comp	olefe Parts III and/o	r VII and describe

Location	Description
Location	Description
Location	Description
Location	Description
in payer vide and restaurant parties and parties and and a second	n Prominenterapolita (Colore A Colore de Branca (Colorente A Colore de Branca (Colorente
en productiva de la compositiva de la c Esta de la compositiva de la compositi La compositiva de la compositiva de la La compositiva de la compositiva de la compositiva del compositiva de la compositiva del compositiva de la compositiva de la compositiva de la compositiva del compositiva de la compositiva de la compositiva del compositiva della composi	Vor er les verbanions
	uone premione construction le la luca : La luga danne llanterie

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Quarterly NS	DZ(w	eekly	☐ Pre-Storm	During Rain	☐ Post-Storm
Part I General In	formation				
Project Name/Addres	s: (O)	EN DOOR	D MULLIET	- Creek PA	IDSU IL
WDID#: 933c3					
Construction stage /	activities:	-	0 . T .	rusher pile	
Removal	of R	1 IRU	Wall East	Sine	
			rder Block		
Project Risk Level or	LUP Type:	II		Total Disturbed Soil Ar	rea: acres
Photos: □Yes □	⊒No	Photo Refe	rence IDs:	Current Inactive DSA:	acres
Inspection Date:	5	Time:	8:30 AM	Current Active DSA: _	acres
		William	Weather		
Beginning of current Duration (hours):	storm:			rain gauge reading: tive rain for this event:	4
Time since last storr Amount from last sto		ours):	Rain ga	ouge location: Office Tob	lec
Qualifying Rain Eve	nt (≥ 0.5″)?	□Yes 💆	No If yes, summari	ze forecast:	
outside of business	hours or du	ng danger	ous weather condition	(ed): //sua inspections is such as flooding or ele	are not required ::: ctrical storms ::
□ Dangerous co	nditions of ely heavy cal storm (l	n site: rainfall (>	duled site hours (6 AM - 3 PM)	
			Inspector		
Name:	HAZ	M	DIN	Title:	259
Signature:	A	ull -	^	Date: 12.8	5.15

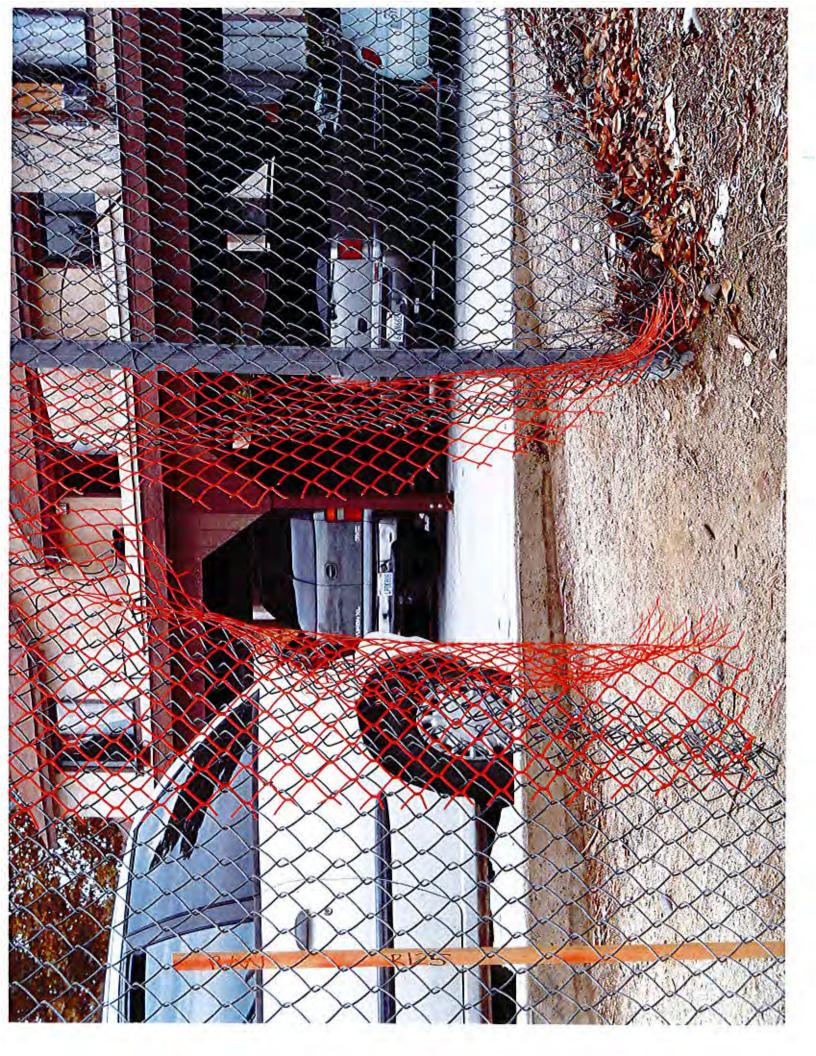
Part II. BMP Observations	Constitut Action	Bégun
Good Housekeeping - Construction Materials		I CONTRACTOR OF THE PROPERTY O
Inventory of stored materials up to date.	A	
Inactive stockpiles covered and bermed.	A	
Chemicals stored in watertight containers with appropriate secondary containment	a	
Construction materials protected from precipitation	Α.	
BMPs for off-site tracking implemented and effective.		
Good Housekeeping - Waste Management		
Wash/rinse water not reaching storm drains.		
Portable toilets contained.		
Portable toilets clean; no apparent leaks and spills.		2.4412
Material on hand to cover waste disposal containers.		
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.		
Waste material protected from wind and rain.		
Procedures in place for both hazardous and non- hazardous spills.		
Appropriate spill response personnel assigned and trained.		
Supplies for cleanup of spills available onsite.		
Washouts properly constructed and placed.	/A	
Good Housekeeping - Vehicle Storage and Mainte	ce	
Measures to prevent oil, grease, or fuel from leaking.		
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.		
Vehicle and equipment leaks cleaned immediately and disposed properly.	/	
Good Housekeeping - Landscape Materials	Hajarah (2004)	
Stockpiled landscape materials contained and covered when not in use.	la	
Erodible landscape material not applied within 2 days before or during forecasted rain event.	1/A	
Erodible landscape materials applied per manufacturer.	/A	
Bagged erodible materials on pallets and covered.	11	Well-street September 1
Good Housekeeping - Air Deposition of Site Mate		

Part II, BMP Observations Von-Stormwater Management		77.07		Needed		
Non-Stormwater discharges properly controlled.	1	3131313				
Vehicles washed in a manner to prevent discharges o surface waters or drainage systems.	N/A					
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	1		_			
Frosion Controls					(68)	MAKS
Wind erosion controls effectively implemented.	N/A					
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	N/A					
Use of plastic materials is limited where reasonable alternative exists.	~					
Sediment Controls						
Perimeter controls established and effective.	V	Silt	FENC	e INST	Falle	d & MA
Entrances and exits stabilized.	/					
Sediment basins properly maintained.	NA					
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A					
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	1				-	
Run-On and Run-Off Gontrols						
Run-on effectively managed and directed away from disturbed areas.						
Run-off effectively controlled.	V	Beim	12	Place	=)-	
Other						
Project SWPPP / BMP plan up to date, on-site and properly implemented.	/					

	encles and Corrective	nenten Reception Se deleganos es co	i beğin wilhin 72 hoursi	of
Deficiency	Tab III (carlor d	Corrective Action		Date mpleted
١.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
Part IV. Additional	Pre-Storm Observationeen, discoloration, turbidit	ons Note the presen lodors; and sources	de or absence of floatir of pollulants(s);	ng and
Do stormwater storage an	d containment areas have ade	equate freeboard? If no, o	complete Part III.	
Are drainage areas free of	spills, leaks, or uncontrolled p	ollutant sources? If no, o	omplete Part VII and des	cribe below.
Notes:				
Ara elaminator elarada a	nd containment areas free of I	eaks? If no, complete?a	rts III and/or VII and desc	ribe below.
Ale stollings of stolage a				

Rart V. Additional During Storm Observations. If BMPs of inclement weather, list the results of visual inspections at all relevant of a convertigations. Note address of visible sheet on the symace of visual formations. Note address of visible sheet on the symace of visual formations.	Is discharge points, and
Outfall, Discharge Roint, จักOther Downstream Location Location	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually on statement locations within two business days (48 hours) after each quality.	ig rain event, and stored or
containée stormwater that eischarged during or after a guaifying rain sei Discharge Location, Storage or Containment Area	Visual Observation
Part VIII. Additional Corrective Actions Required. Ideal a included with BMP. Deliciencies (Part III) above. Note if SWPPP chare	colt of a corrective actions not a sequired
Required Actions	







Quarterly NS	□Weekly	☐ Pre-Storm	During Rain	Post-Storm
Part I General Inf	ormation		And Committee	
Project Name/Address	t			
WDID#: 93363				
Construction stage / ad	ctivities:	much wate	r on-site	To work
Project Risk Level or L	UP Type: 1		Total Disturbed Soil Are	a: acres
Photos: □Yes □	No Photo Re	ference IDs:	Current Inactive DSA: _	acres
Inspection Date: 12.14.	Time	7:00 AM	Current Active DSA:	acres
		Weather		
Beginning of current s Duration (hours):	847 P	Current	rain gauge reading: ative rain for this event:	0.10
Time since last storm Amount from last stor		1 3 E- U.T.	auge location:	ailor
Exemption Docu	mentation (if ins	No If yes, summari	ze forecast: (fed): (isua inspections, is sub as tooding or elec	are not required
☐ Rain event occi ☐ Dangerous con ☐ Extreme	urred outside sch ditions on site: ly heavy rainfall (il storm (lightning	eduled site hours (> 1" per hour)	Contract of the Contract of th	
Name: A	AZ UAT) I C	Title:	258
Signature:	J. J.	7.	Date: 12.14	15

Good Housekeeping - Construction Materials					
nventory of stored materials up to date.	N/A	1,000,000,000			
nactive stockpiles covered and bermed.	N/A				
Chemicals stored in watertight containers with appropriate secondary containment	N/A				
Construction materials protected from precipitation	1	Plastic	1940	40 Yrd	DUM
BMPs for off-site tracking implemented and effective. Good Housekeeping: Waste Management.					
Wash/rinse water not reaching storm drains.		1211241124912412412			- 1- 1-
Portable toilets contained.	1				
Portable toilets clean; no apparent leaks and spills.	/				
Material on hand to cover waste disposal containers.	/				
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	1				
Waste material protected from wind and rain.	/				
Procedures in place for both hazardous and non- hazardous spills.	1				
Appropriate spill response personnel assigned and trained.	1				
Supplies for cleanup of spills available onsite.	V				
Washouts properly constructed and placed.	N/A	tractar at used Automotive	- sommirans	Triffer All C. W. Walletin	454 4 E/00/1410
Good Housekeeping - Vehicle Storage and Mainter	ance				
Measures to prevent oil, grease, or fuel from leaking.	/				
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/				
Vehicle and equipment leaks cleaned immediately and disposed properly.	V V				ternusus
Good Housekeeping - Landscape Materials	BIRTH		ALL PARTY.	of Year	MANUSA
Stockpiled landscape materials contained and covered when not in use.	MA				
Erodible landscape material not applied within 2 days before or during forecasted rain event.	MA				1
Erodible landscape materials applied per manufacturer.	W/				
Bagged erodible materials on pallets and covered.	N	q Waliotaka sino		ANY TENEDONE	To the second
Good Housekeeping - Air Deposition of Site Mate					
Measures to control air deposition of site materials.	V				

Part II. BMP Observations	OK				n Needer		Bequn
Non-Stormwater Management		提供語	The late	其對於	经是经营经	TRANSFER .	NAME OF TAXABLE PARTY.
Non-Stormwater discharges properly controlled.	V						
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	MA						
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	/		_				
Erosien Controls	UA 1						
Wind erosion controls effectively implemented.	MA						
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.		All	slo	pes	ACE	Act	ie
Use of plastic materials is limited where reasonable alternative exists.	/						
Sediment Controls		JUNEAU .					
Perimeter controls established and effective.	/						
Entrances and exits stabilized.	/	,					
Sediment basins properly maintained.	438						
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	WA						
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	N/A						
	1	Western Fill	213.0424.925	enterena	OAR SERSON	TOTAL TABLE	NEW PROPERTY OF STREET
Run-On and Run-Off Controls	TANKET.	THE	情報	NAME OF		disal.	
Run-on effectively managed and directed away from disturbed areas.	N/A		_				
Run-off effectively controlled.	V	B	M	IN	place	e @	SoutH
Other	GATES						
Project SWPPP / BMP plan up to date, on-site and properly implemented.	V		_				
		-		_			

art III. BMP Defic			7	
Deficiency	Repairs Identifica	mplemented, Rec or and be comple	arsınıştı bəlqiri VIIIII Ağız soon as possibl	/Z hours of
		Corrective	Actio	Date Completed
				1 1
2,				
3/-				
4.)				
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7.				
8.				
Part IV. Additiona	Pre-Storm Obser heen, discoloration, tu	vations Note th	e presence or absence	e of floating and
	nd containment areas ha			
	of spills, leaks, or uncontrol			
Notes:				
Are stormwater storage	and containment areas fr	ee of leaks? If no, co	mplets Parts III and/or V	II and describe below.
Notes:				

Part V. Additional During Storm Observations: If BMPs, Unclement weather, list the results of visual inspections at all relevant of downstream locations. Note odors or visible shear on the surface of the Corrective Adtions) as needed.	ils, cischarge coints and harges. Complete Part VII
Outfall, Discharge Point, or Other Downstream Location Location	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations: Visually of a discharge locations within two business days (48 hours) after each quality.	ing rain event, and stored
contained stormwater that discharged during or after a qualifying failth e	
Part VII. Additional Corrective Actions Required. Identily	cditional corrective actions
Included with BMP Deticiencies (Part III) above. Note if SWPPP oner e Required Actions	is required Implementation Date





Quarterly NS	NS Weekly Pre-Storm Durin		During Rain	□ Po	st-Storm		
Part I General in	formation						
Project Name/Address	E MUC	rieta	creek	PHP	SE II		
	374007						
Construction stage / a	ctivities:						
Breakin	& Ruc	ic so	WH EN	d			
DISSING	V Dit	CH 1H	cente	_			
of proJ					100		
					The second section is		
Project Risk Level or I	Ţ	otal Disturbed Soil Are	ea:	acres			
Photos: □Yes □No Photo Reference IDs:					urrent Inactive DSA:		acres
Inspection Date: Time: 7:00 £			7:00 AV	v 0	urrent Active DSA:		acres
SACOTOMORE MALES			Weath			70.00	Mantana
Beginning of current s	torm: 5.5	7 am	SECONDARD SECOND	urrent rain	gauge reading:	(2 0	<u> </u>
Duration (hours):	3		С	umulative	rain for this event:	0.01	0
Time since last storm Amount from last store	Control of the contro		R	ain gauge	location:		
	W 1	HOUL					
Qualifying Rain Event	(≥0.5")? ∟	res K	to if yes, sur	nmarize to	orecast:		
Exemption Docu	mentation	(finspe	otion not co	nducted	. //sua inspections	are not rec	uired.
outside of business in							
Rain event occi			uled site ho	urs (6 Al	M-3 PM)		
☐ Dangerous con			" per hour)				
☐ Electrica	I storm (lig		ps,				
☐ Flooding							
☐ Other:	MARKET STATE	Hall Holes	Inspec	lor		520	Nasila ang ka
Name			/	haddininin	Title:		
Name:	YAZ	4 PD	DIM	_	lille.	127	
Signature:	luck				Date: 12 - 22	.15	

Part I BMR Observations	OK	Corte	Action Nee		Begun
sood Housekeeping - Construction Materials			42/11/11		
nventory of stored materials up to date.	NA				
nactive stockpiles covered and bermed.	W/A			-	
Chemicals stored in watertight containers with appropriate secondary containment	N/A				
Construction materials protected from precipitation		Plastic	over	40	Yrd Du
BMPs for off-site tracking implemented and effective.				100000000000000000000000000000000000000	
Spod Housekeeping - Waste Management					
Wash/rinse water not reaching storm drains.	1		7000		
Portable tollets contained.					
Portable toilets clean; no apparent leaks and spills.	V				
Material on hand to cover waste disposal containers.	1	40 Yed	DUMP	ster	coverd
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/				
Waste material protected from wind and rain.	/				
Procedures in place for both hazardous and non- hazardous spills.	1				
Appropriate spill response personnel assigned and trained.	1				
Supplies for cleanup of spills available onsite.	1				
Washouts properly constructed and placed.	MA			THE REAL PROPERTY.	
Good Housekeeping . Vehicle Storage and Mainte	nance				
Measures to prevent oil, grease, or fuel from leaking.	V				
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	1				
Vehicle and equipment leaks cleaned immediately and disposed properly.	V	in the second	an an en università	10052003.03	
Good Housekeeping - Landscape Materials	a a constant		h the feet		
Stockpiled landscape materials contained and covered when not in use.	N/D				
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/I	1			
Erodible landscape materials applied per manufacturer.	11/1				
Bagged erodible materials on pallets and covered.	N/	A THE PROPERTY OF THE PARTY OF	Water Court		7505 0.5381497K479W
Good Housekeeping - Air Deposition of Site Mate	rials				

Aldi Mirole G. Marking Co.		T.						778î Jeles
on 14 % (1 de 1 d					100			
Non-Stormwater discharges properly controlled.	V							
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	M/A							
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	\checkmark						\downarrow	_
Names series de la companie de la c La companie de la co	E244118		: <u>68.49</u>	2566	ANN.	21/2/		<u> </u>
ECHIOMAC INTERPRETATION OF THE PROPERTY OF THE	444 444	229990	54128.60	20,000	graning	2000, 7700	Patroner	<u> </u>
Wind erosion controls effectively implemented. Effective soil cover provided for inactive disturbed	M/A		 دار					
areas, finished slopes, etc.	🗸	AII	510	pes	Are	ΑC	tive	
Use of plastic materials is limited where reasonable alternative exists.							\rightarrow	
			k Tr	38TS				Kā:
Perimeter controls established and effective.	36.337	MISSISSIP.	E AW	<u> </u>	**************************************	\$1000045XT		40
Entrances and exits stabilized.	17	-					-	
	V.	 	_				\dashv	
Sediment basins properly maintained.	M/A	├						-
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A							
Enforce use of stabilized exits and inspect access roads dally (RL 2/3)	N/A					•		
								1
Run-on effectively managed and directed away from disturbed areas.	Nρ							
Run-off effectively controlled.	V	180	YM.	ĮĄ.	pla	€		_
		1456						拯
Project SWPPP / 8MP plan up to date, on-site and properly implemented.	V		** e\$(i)	7. F. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	vii (letai)		- dr 15-4	
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eficiency	Repairs Impleme Identification and	hielo Repairs as gegl with peromplared as poir as pessi parrective Action	JBC
		orrective Action	Date Completed
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3.			
7,			
8.			
Part IV. Additional	Pre-Storm Observation	\$: Note the presence or absertions; and sources; or solition	nce of floating and . .s(s).
Do stormwater storage and	d containment areas have adequ	ate freeboard? Ifm, complete Par	rt III.
Are drainage areas free of	spills, leaks, or uncontrolled polic	utant sources? If m, complete Par	t VII and describe below.
Notes:			
Are stormwater storage a	nd containment areas free of lea	ks? If no, completeParts III and/or	r VII and describe below.
Notes:			

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Location			_ .		De	scription	
Location	· 				De	scription	
Location			 	··· -	De De	scription	
			isvi Mojelis Viljanski			i (j. 16 . Ubovenija	jika (1) 1562 (10)
	i se danini dani 18 dani dani dani 18 dani dani dani	iklika si suley Politika (hi or				(rtileis r	ar West
ALCONOMICS STOCKES	703 (FROM CERT AT 1953)	143 P.J. 25 C. 27 C. 26 C.					
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			oversije ize 10.00	azzne e		PER SERVICE AND	entelegrania
	Kalejninkelejak Varietyka Varietyka	(4) V V V V V V V V V				յ եր Հոր է հ ընդեսու ին	in anga Tanga
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☐ Quarterly NS	Øw	eekly	☐ Pre	-Storm	During R	ain 🗆	Post-Storm
Part I General In	ormation						
Project Name/Address	: MUT	META	creek	P	HPSE II	h	
WDID#: 933C374							
Construction stage / a	ctivities:	uhhle	1 444		raav		
Clearing	07		cal		icec		
Start a	10841-	MAIS	44 4	. 74 -			
Clean i	اره مر	bez n	UNIA O	0 261	Townson and a		
Project Risk Level or I	I		Total Disturbed	Soil Area:	acres		
Photos: □Yes □	otos: □Yes □No Photo Reference IDs:				Current Inactive	DSA:	acres
Inspection Date:	5	Time: 10:30 A		tw.	Current Active D	SA:	acres
			Wea	ther			
Beginning of current s Duration (hours):	torm:	28.15			rain gauge reading tive rain for this ev		OZ
Time since last storm Amount from last stor			Hours	15.00	uge location:		
Qualifying Rain Even	t (≥ 0.5")?	□Yes 🌣	No If yes,	summari	ze forecast:		
				-			
Exemption Docu	imentatio	n (if insi	nection not ous weather	oondus conditier	ted) s listal inspe is subjectioning	otlons are no or electrical	ot required
☐ Rain event occ	urred out	side sche	eduled site	hours (6 AM - 3 PM)		
☐ Dangerous cor	ditions of	n site: rainfall (>	1" per ho	ur)			
☐ Electrica	al storm (I	ightning)					
Flooding Other:	9 //						
			Insi	ector	图 特别		
Name:	Je.	AVAZ	- UD	DIN	Title:	RSS).
Signature:	1	U			Date: 12	. 29 . 15	

Part II. BMR Observations Sold Housekeeping - Construction Materials					
inventory of stored materials up to date.	N/A				
nactive stockpiles covered and bermed.	N/A				
Chemicals stored in watertight containers with appropriate secondary containment	N/A				
Construction materials protected from precipitation	1				
BMPs for off-site tracking implemented and effective.					ae tha an taire
Wash/rinse water not reaching storm drains.	1	150000000000000000000000000000000000000			
Portable tollets contained.	1				
Portable toilets clean; no apparent leaks and spills.	/				
Material on hand to cover waste disposal containers.	1	40 Y	d du	pster	covere
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	1				H
Waste material protected from wind and rain.	/				
Procedures in place for both hazardous and non- hazardous spills.	1				
Appropriate spill response personnel assigned and trained.	1				
Supplies for cleanup of spills available onsite.	/				
Washouts properly constructed and placed.	N/A		Towns in sold to the	S IN PTOCH IN 14 OUR	OUR DESCRIPTION
Good Housekeeping - Vehicle Storage and Maintel	nance	加州建		100	
Measures to prevent oil, grease, or fuel from leaking.	1				
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/				
Vehicle and equipment leaks cleaned immediately and disposed properly.	/	ralli (1816a)	neo espera	ga v temestori	V8560 (15 HF 69
Good Housekeeping - Landscape Materials		Hillian	19/14/21		is salitable
Stockpiled landscape materials contained and covered when not in use.	MA				
Erodible landscape material not applied within 2 days before or during forecasted rain event.	- /-				
Erodible landscape materials applied per manufacturer.	N/A				
Bagged erodible materials on pallets and covered.	N/A	HARRIST THE STATE OF THE STATE	是非常国的 16	asinces	TERRESIDENCE
Good Housekeeping - Air Deposition of Site Mate	riais			建设。	
Measures to control air deposition of site materials.	V				

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Part II. BMP Observations	ok.		corret	va Act	on Need	ed).		Date Begun
lori-Stormwater Management	1		10		图	de la		
ion-Stormwater discharges properly controlled.								
/ehicles washed in a manner to prevent discharges o surface waters or drainage systems.	MA							
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	1							
igslon Controls								
Wind erosion controls effectively implemented.	H/A						П	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	1	All	510	pes	Art	z A	ct	ive
Use of plastic materials is limited where reasonable alternative exists.	/							
Sediment Controls								
Perimeter controls established and effective.	N/A							
Entrances and exits stabilized.	1							
Sediment basins properly maintained.	N/A							
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A							
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	N/A		_					
Run-On and Run-Off Controls			有 是研		HUS			
Run-on effectively managed and directed away from disturbed areas.	N/A							
Run-off effectively controlled.	1	B	erm	BA	rely	Sti	11	Visible
Other			推動					
Project SWPPP / BMP plan up to date, on-site and properly implemented.	V	1		-		_		
		-				_		
		1	_					

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o stomweter storage	and containment area	sa have adequate	freeboard? If n	o, complete Part 1	.
Are dreinage areas free Notes:	of apilis, leaks, or unk	controlled polluter	t sources? IT h	о, сотрівне Рап у	/II and describe below
Are stormwater storag	je and containment are	eas free of leaks?	If no, complet	Parts III and/or V	III and describe below.
Notes:		<u> </u>	-		

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Location			Description
Location	<u>.</u>		Description
Location			Description
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		živosta i sistam enerejam er⊤i	



BMP INSPECTION REPORT

Quarterly NS	⊠ w	eekly	Pre-	Storm	☐ During Rain	☐ Post-S	torm
Part I. General In	formatio	n i		1			
Project Name/Addres	s: Mu	((IETA	Cree	e i	PHASE I		
	03100-				and the state of		
Construction stage / a							
COV	ering	AU IN-AC	tive s	stock	e piles		
Project Risk Level or	LUP Type:	II.			Total Disturbed Soil A	rea:	acres
Photos: XYes D	INo	Photo Refe	erence IDs:		Current Inactive DSA:		acres
Inspection Date:	ø	Time:	8 AM		Current Active DSA:	Secretaria in Europe 21 Mills above	acres
			Wea	ther		inter district	
Beginning of current Duration (hours):	storm: 8 A	M			rain gauge reading: ative rain for this event:	0.93	
Time since last storn Amount from last sto	orm:				auge location: TRAILO		
Qualifying Rain Eve Forcasted	3″	IN NO	ext 2	4 H			
outside of business	hours or di	ring danger	ous weather	gondition	sted) i /isua inspection is sugnas flooding or e	is are not regul lectrical storms	red
☐ Rain event oc ☐ Dangerous co ☐ Extrem ☐ Electric ☐ Floodir ☐ Other:	onditions on ely heavy cal storm	on site:	1" per hou	ur)	6 AM – 3 PM)		
			Insp	ector			1111
Name:	A2,	(I)D	D1N.		Title:	Qs?	
Signature:					Date: 1.5	16	

Part II. BMP Observations	ok	Co	ective Actio	n Need	led	Date Begur
Good Housekeeping - Construction Materials			P. J. J.			900
Inventory of stored materials up to date.	N/A					
Inactive stockpiles covered and bermed.	1	Pile	cover	ed	with	PLA
Chemicals stored in watertight containers with appropriate secondary containment	N/A					
Construction materials protected from precipitation	N/A					
BMPs for off-site tracking implemented and effective.				THE RESIDENCE		emognative Ne
Good Housekeeping - Waste Management					17.77	
Wash/rinse water not reaching storm drains.	/					
Portable toilets contained.	/					
Portable toilets clean; no apparent leaks and spills.	/				1	
Material on hand to cover waste disposal containers.	/	40 4	d Du	NDS	ter co	vere
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	/					
Waste material protected from wind and rain.	/					
Procedures in place for both hazardous and non- hazardous spills.	1					
Appropriate spill response personnel assigned and trained.	/					
Supplies for cleanup of spills available onsite.	/					
Washouts properly constructed and placed.	N/A	most bendend south	200 mily samily 200 mig	exploracitation	Vera tel de leviencia	Suckery Characteries
Good Housekeeping . Vehicle Storage and Mainter	nance					
Measures to prevent oil, grease, or fuel from leaking.	1					
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/	1				
Vehicle and equipment leaks cleaned immediately and disposed properly.	V	1	SCIOLAL MANAGEMENT IN NESSE	กองจระสง		
Good Housekeeping - Landscape Materials					Yes State	
Stockpiled landscape materials contained and covered when not in use.	MA	4				
Erodible landscape material not applied within 2 days before or during forecasted rain event.	MA	4				1
Erodible landscape materials applied per manufacturer.	N	,				
Bagged erodible materials on pallets and covered. Good Housekeeping - Air Deposition of Site Mate	N/	A		U Vita	er program	A STATE
		国内区的公司 自己会员会	DESIGNATION OF THE PROPERTY OF		DESIGNATION OF THE PROPERTY OF THE PERSON OF	经2000年

Pant II (BIVIE) Observations	CKI Suggrative Attign Needet Begun
Konsomvater Managament	
Non-Stormwater discharges properly controlled.	
Vehicles washed in a manner to prevent discharges to surface waters or drainage systems.	MA
Streets cleaned in a manner to prevent unauthorized non-stormwater discharges to drainage systems.	
	The supplied automorphism of the supplied of t
Erosleh Gantrols	
Wind erosion controls effectively implemented.	N/A
Effective soll cover provided for Inactive disturbed areas, finished slopes, etc.	V All slopes Remain Active
Use of plastic materials is limited where reasonable alternative exists.	
Sediment Controls	
Perimeter controls established and effective.	V SILT FENCE Applied
Entrances and exits stabilized.	
Sediment basins properly maintained.	
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	MA
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	M/A
Run On ang Run Off Controls	
Run-on effectively managed and directed away from disturbed areas.	M/A
Run-off effectively controlled.	N/A WATER HAS Flowed over ber
Other	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	

Part III. BMR Deficiencies a	and Corrective Actions	
Deficiency	Repairs Implemented: Repairs in street in within 72 identification and be completed associate possible.	hours of Date Completed
		sa southfere one
1.		
3.		
1.		
5.		
6.		
7.		
8.		
suspended materials, sheen, disc	orm Observations: Note the presence or absence of coloration, turbidity, odors, and sources) of pollutants(s)	f floating and
The second secon	nent areas have adequate freeboard? If no, complete Part III.	- La sel Weig William
	ks, or uncontrolled pollutant sources? If no, complete Part VII a	and describe below.
Notes:		
Are stormwater storage and contain	ment areas free of leaks? If no, complete Parts III and/or VII a	nd describe below.
Notes:		

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Outfall, Discharge Point, or Other Downs	[1] 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Location	Description
Part VI. Additional Post-Storm Ob discharge locations within two business da	 servations Visually obarve (Inspect) stormwater ys (48 hours) after each quarting rain event, and stored or g or after a qualifying fain sept(> ⟨x):
Discharge Location, Storage or Contain	
Part VII. Additional Corrective Additional C	ctions Required. Identiliacditional corrective actions no bove. Note if SWPPR charte is required.
Required Actions	Implementation Date

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BMP INSPECTION REPORT

Quarterly NS	□Weekly	☐ Pre-Storm	During Rain	☐ Post-Storm
Part L. General In	formation			
Project Name/Address	s: MUMIETA	creek F	HASB II	
WDID#: 933c3				
Construction stage / a	activities:	10 (000	olataba E	looded
No. M	OUK 700	12 com	pletely F	(1000 EC)
Attempted	l To get	RUN OFF	sample (inisafe) coud
Tested	RUN ON	201 T	rubidity	
Project Risk Level or	LUP Type: I		Total Disturbed Soil Ar	ea: acres
Photos: Yes C	INo Photo Ref	erence IDs:	Current Inactive DSA:	acres
Inspection Date:	Time:	10:00 AM	Current Active DSA: _	acres
		Weather		
Beginning of current Duration (hours):	storm: 12:47 AV	Currei Cumu	nt rain gauge reading: lative rain for this event:	1.59
Time since last storm Amount from last sto	rm: ,92		gauge location:	
Qualifying Rain Ever	nt (≥ 0.5")? XYes □	No If yes, summa	rize forecast:	
HEAVY RAIN	1 FAII, HAI	1 LIGHTNIK	35	
Job is u	nashed ou	t		
Exemption Doc	umentation (if ins	pection not condu	cted) Visual inspections	are not required
outside of business	hours or during dange	rous weather condition	ons such as ilopoing or ele	etrical storms
□ Rain event occ	curred outside sch	eduled site hours	(6 AM – 3 PM)	
☐ Dangerous co	ely heavy rainfall (> 1" per hour)		
⊂ Electric	al storm (lightning)			
Floodin Other:	9			
		Inspector		
Name:	2 MUDD	o (al	Title:	USP
Signature:	VX		Date: . 6 · 1	6

Part II. BMP Observations	ok	Correc	live Ac	ion Need	ed	Da Beg	
Good Housekeeping - Construction Materials		7. 17. 19.17		4.			
nventory of stored materials up to date.	N/A	etsimikasi nome					
nactive stockpiles covered and bermed.	1	INActive	Pi	le co	vered	wit	HF
Chemicals stored in watertight containers with appropriate secondary containment	MA						
Construction materials protected from precipitation	N/A	,					
BMPs for off-site tracking implemented and effective.		SHAKE	2	Plat	es ¢	GIF	ve
Good Housekeeping - Waste Management							
Wash/rinse water not reaching storm drains.	/						
Portable toilets contained.	1						
Portable toilets clean; no apparent leaks and spills.	V					1	
Material on hand to cover waste disposal containers.	/	Plast	14	cove	ING	40	YI
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	1						
Waste material protected from wind and rain.	~						
Procedures in place for both hazardous and non- hazardous spills.	/						
Appropriate spill response personnel assigned and trained.	1				2.71.11		
Supplies for cleanup of spills available onsite.	/	(3) 5	GA	llon:	SPILL I	Cits	ON
Washouts properly constructed and placed.	N/A	nonecompleted a Wilesesson	sinen bydote		7455430 USE 40740		NO WIND
Good Housekeeping - Vehicle Storage and Mainte	nance			1,000			
Measures to prevent oil, grease, or fuel from leaking.	V					-	
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	/						
Vehicle and equipment leaks cleaned immediately and disposed properly.	/			encyano di			发热和乳液
Good Housekeeping - Landscape Materials							
Stockpiled landscape materials contained and covered when not in use.	11/4						
Erodible landscape material not applied within 2 days before or during forecasted rain event.	MA						
Erodible landscape materials applied per manufacturer.	M/A						
Bagged erodible materials on pallets and covered.	Y //	A	中心的心理的	WIE PERSONAL PROPERTY AND ADDRESS OF THE PERSONA		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Good Housekeeping - Air Deposition of Site Mate							
Measures to control air deposition of site materials.	N	A					

Part II, BMP Observations	ok .	Corrective Action Needed Begun
lon-Stormwater Management	102	
lon-Stormwater discharges properly controlled.		
ehicles washed in a manner to prevent discharges surface waters or drainage systems.	N/A	
Streets cleaned in a manner to prevent unauthorized ton-stormwater discharges to drainage systems.	/	
Frosion Controls		
Wind erosion controls effectively implemented.	NA	
Effective soil cover provided for inactive disturbed areas, finished slopes, etc.	1	All slopes Remain Active
Use of plastic materials is limited where reasonable alternative exists.	1	
Sediment Controls		
Perimeter controls established and effective.	/	SILT FENCE IN PLACE
Entrances and exits stabilized.	1	
Sediment basins properly maintained.	N/A	
Linear barriers at toe/face/grade breaks of exposed slopes (RL 2&3 only)	N/A	
Enforce use of stabilized exits and inspect access roads daily (RL 2/3)	N/A	
Run-On and Run-Off Controls		
Run-on effectively managed and directed away from disturbed areas.	N/A	
Run-off effectively controlled.	M/A	unable To control
Other	 7	
Project SWPPP / BMP plan up to date, on-site and properly implemented.	V	

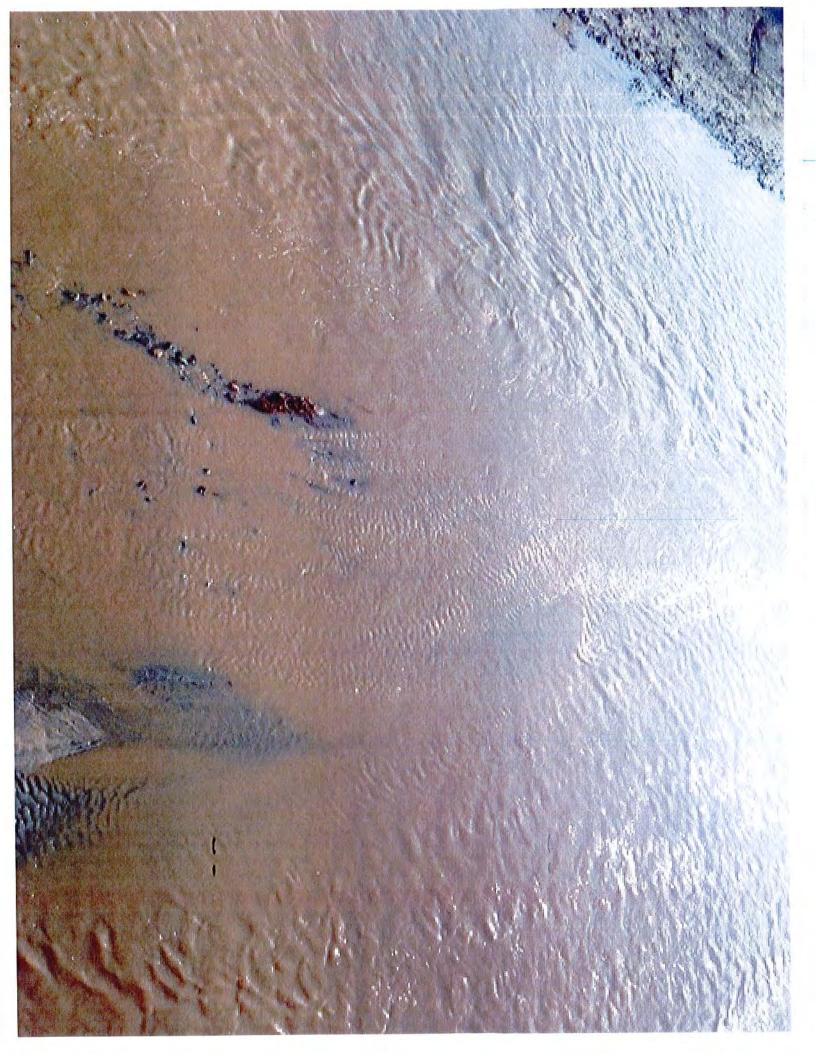
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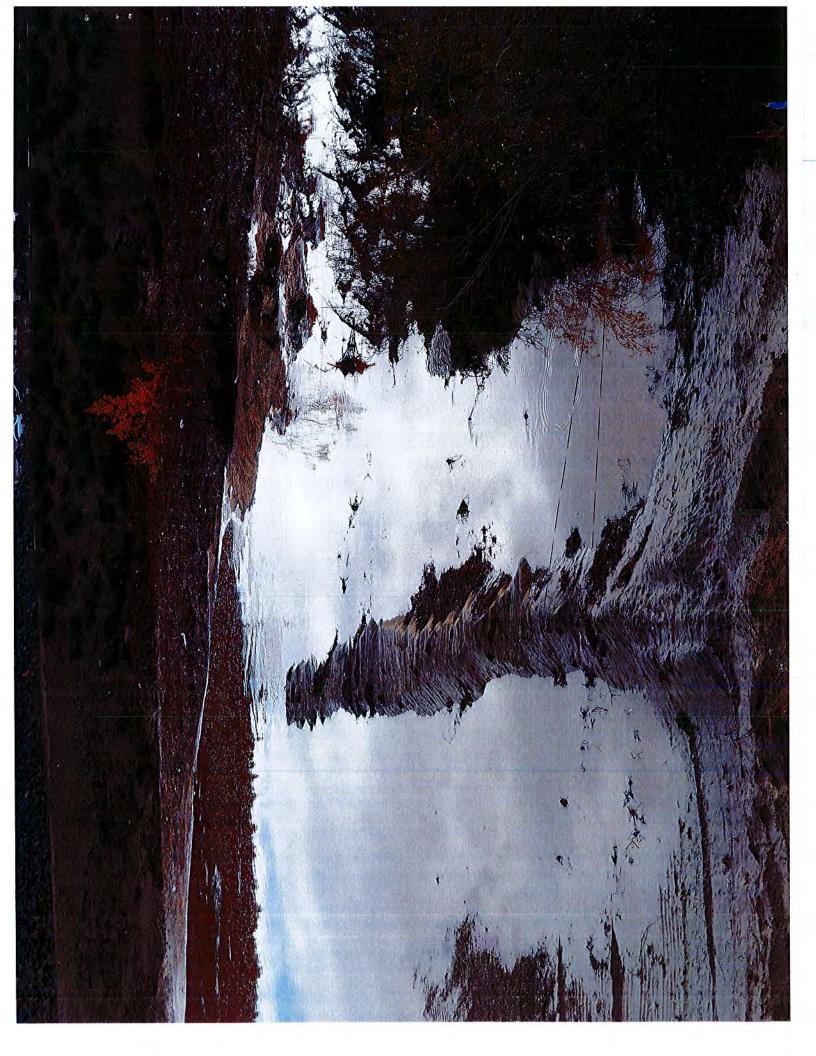
Repairs Implemented. Repairs in 1st begin within 72 hours dentification/land ball complete has been as a pasible. Corrective Action. Corrective	经的名词形式 医二次
Corrective Action Corrective Ac	Of
2. 3. 4. 5. 6. 7. 8. Part IV. Additional Pre-Storm Observations: Note the presence or absence of float suspenced materials, sheen, discoloration, tutbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Part VII and des	Date
2. 3. 4. 5. 6. 7. 8. Part IV. Additional Pre-Storm Observations. Note the pressice or absence of float suspended materials, sheen, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	ompleted.
3. 4. 5. 6. 7. 8. Part IV. Additional Pre-Storm Observations. Note the presence or absence of float suppended materials, sheen, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
6. 7. 8. Part IV. Additional Pre-Storm Observations. Note the presence or absence of float suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Rart IV. Additional Pre-Storm Observations. Note the presence or absence of float suspended materials, sheem, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Rart IV. Additional Pre-Storm Observations. Note the presence or absence of float suspended materials, sheem, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Part IV. Additional Pre-Storm Observations. Note the presence or absence of float suspended materials, sheen, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Part IV. Additional Pre-Storm Observations. Note the presence or absence of float suspended materials; sheep, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Suspended materials: Sheen, discoloration, turbidity, odors, and sources) of pollutants(s). Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III. Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and des Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	ing and
Notes: Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and des	scribe below
Notes:	scribe below
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Location				1	Description	
Location					Description	<u> </u>
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BMP INSPECTION REPORT

Quarterly NS	₩weekly	☐ Pre	-Storm	☐ During Rain	Post-Storm
Part I. General In	formation				
Project Name/Addres	s: Murried	th creek	PHOS	B I	1
WDID#: 933C					
Construction stage / a		1 1 116	Lane	K IN Creek	bod
		ded No		1.2	
@kosh	ing Roc	lk & con	icrete	500+H-W	DIA TEST
Project Risk Level or	LUP Type: II			Total Disturbed Soil Are	ea: acres
Photos: Yes D	INo Phot	o Reference IDs:		Current Inactive DSA: _	acres
Inspection Date:	8.16	ime: 9:00 p	M	Current Active DSA:	acres
		Wea	ther		
Beginning of current Duration (hours):	storm:			ain gauge reading: ve rain for this event:	0
Time since last storm Amount from last sto	rm:	48 Hours		ge location: TRAILO	
Qualifying Rain Ever	nt (≥ 0.5")? □ Y €	e s ⊠ No Ifyes,	summarize	e forecast:	
Exemption Documents	umentation (f	Inspection not angerous weather	conducte conditions	ed). Visual inspections such as flooding or elec	are not required ctrical storms
☐ Rain event occ ☐ Dangerous co	curred outside nditions on site ely heavy raint al storm (lighti	scheduled site e: fall (> 1" per hou ning)	hours (6 ur)		
		// Insp	ector		
Name:	2 /1	MIN		Title:	25 /
Signature:	rel &			Date: 8	6

	Za (Salven) - Dale (Salven)
Rantill EMP Opsperations:	OK Second clive Action Needed 22 Regime
geood และบน เช่น อยู่ปกคุณของการก็ต่อเป็นเป็นสมัยเราะ	
Inventory of stored materials up to date.	<u> </u>
Inactive stockpiles covered and bermed.	V INACTIVE Pile covered
Chemicals stored in watertight containers with appropriate secondary containment	
Construction materials protected from precipitation	
BMPs for off-site tracking implemented and effective.	V SHAKET Plates & Gravel
teprockfloweekeeping::\Watte\Mentgentinte/::::::	
Wash/rinse water not reaching storm drains.	
Portable toilets contained.	
Portable toilets clean; no apparent leaks end spills.	
Material on hand to cover waste disposal containers.	V
Discharges from waste disposal containers prevented from entering storm drain system / receiving water.	
Waste material protected from wind and rain.	
Procedures in place for both hazardous and non-hazardous spills.	SPILL Kits ON-site
Appropriate spill response personnel assigned and trained.	
Supplies for cleanup of spills available onsite.	✓
Washouts properly constructed and placed.	N/A
Goot Housekeepine: Venicle Storage and Malinto	nenge i ke kalangan pangan
Measures to prevent oil, grease, or fuel from leaking.	V Dr.p PANS IN USE
Equipment / vehicles fueled, maintained, stored in designated area with appropriate BMPs or offsite.	
Vehicle and equipment leaks cleaned Immediately and disposed properly.	
Good Housekeeping : Landscape Materials	
Stockpiled landscape materials contained and covered when not in use.	MA INActive pile covered
Erodible landscape material not applied within 2 days before or during forecasted rain event.	N/A
Erodible landscape materials applied per manufacturer.	N/a
Bagged erodible materials on pallets and covered.	NA
Good Housekeeping - Air Deposition of Site Mate	lals/189
Measures to control air deposition of site materials.	1 1

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The second of th	SHAKEI Bern 15	SILT FENCE SUILOUS SHAKEN PLATER

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Park III. BMP Deilelendes ar	e. Gomeoliye/Aoh	Mass		
Deficiency	Repaile/Implementer Nearthlescontant for o	Francisco de la constitución de	ni vilain 7/2 mouli nos sible nos sible nos servicos	Dale
	400I/	Tellico A steam of the		omplet
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
Part IV Additional Pre-Stor suspended materials, sheen disco	oration turbidity oders	(Andreeurces) of po	llutants(s)-%-r. k	iling and
Do stormweter storage and containme				
Are drainage areas free of spills, leaks	, or uncontrolled pollutant	sources? If no, comple	ete Part VII and de	ascribe b
Are stormwater storage and containment	ent areas free of leaks?	f no, complete Parts III	and/or VII and de	scribe be
Notes:				

Part V. Additional During Storm Observations. If BMPs neement weather, list the results of visual inspections at all relevant downstream locations. Note odors or visible sheen on the surface of Corrective Actions) as needed.	bufalls, discharge points, and
Outfall, Discharge Point, or Other Downstream Location	
_ocation	Description
Location	Description
Location	Description
Location	Description
Part VI. Additional Post-Storm Observations. Visually of discharge locations within two business days (48 hours) after each of contained stormwater that discharged during or after a qualifying rain	ualifying rain event, and stored or
Discharge Location, Storage or Containment Area	Visual Observation
Part VII. Additional Corrective Actions Required. Identificated with BMP Deficiencies (Part III) above. Note if SWPPP characteristics (Part III) above. Note if SWPPP characteristics (Part III) above.	ntify additional corrective actions not ange is required. Implementation Date





R	ain Eve	ent Action Plan	(KEA)	r)
Date: 1.4.16		Project Number:	W912PL-15-C-0002	
ate Rain Predicted 5.16		Predicted % chance of rain:		60 %
Site Information: Site Name,				
Murrieta Creek, in the City of	Temecula, San I	Diego County, California		
Site Stormwater Manager	Information: 1	Name, Company, Emergency Phone Nur	mber (24/7)	
Ayaz Uddin, OHL, Quality Co	entrol Manager	049-242-4432 / 714-328-5508		
Erosion and Sediment Con Ayaz Uddin, OHL, Quality Co		Or: Name, Company, Emergency Phone 949-242-4432 / 714-328-5598	Number (24/7)	
Stormwater Sampling Age	nt: Name Compa	ny, Emergency Phone Number (24/7)		
Ayaz Uddin, OHL, Quality Co	ntrol Manager	949-242-4432 / 714-328-5598		
Curre	ent Phase of Co	onstruction - Check ALL the boxes	s below that a	pply to your site.
Grading and Land Develop	oment 🗅	Vertical Construction	□ Inac	etive Site
Streets and Utilities		Final Landscaping and Site Stabilization	⋈ Oth	er: Creek improvement
	A	activities Associated with Curre	ent Phase(s)	
	: ALL the boxes l	below that apply to your site (some		
Grading and Land Develop Demolition	pment:	Vegetation Removal	□ Vege	etation Salvage-Harvest
Rough Grade	20	Finish Grade	□ Blas	
Soil Amendment(s):	×	Excavation (ft)		s Testing
Rock Crushing	M	Erosion and Sediment Control		/eying
Equip. Maintenance/Fueli		Material Delivery and Storage	□ Oth	
Streets and Utilities:		rancom Denvely and Storage		
☐ Finish Grade		Utility Install: water-sewer-gas	□ Pavi	ing Operations
Equip. Maintenance/Fueli	ng 🗅	Storm Drain Installation	□ Mat	erial Delivery & Storage
Curb and Gutter/Concrete	Pour 🗅	Masonry	□ Oth	er:
Vertical Construction:				
Framing	0	Carpentry		crete/Forms/Foundation
☐ Masonry ☐ Drywall/Interior Walls	_	Electrical Plumbing	□ Pair □ Stuc	nting
Equip. Maintenance/Fueli		HVAC	□ Tile	
□ Exterior Siding		Insulation		dscaping & Irrigation
☐ Flooring		Roofing	□ Oth	
Final Landscaping & Site S ☐ Stabilization	Stabilization:	Vegetation Establishment	□ E&S	Control BMP Removal
☐ Finish Grade		Storage Yard/ Material Removal		dscape Installation
☐ Painting and Touch-Up	_	Irrigation System Testing	□ Oth	Control of the contro
☐ Drainage Inlet Stencils	_	Inlet Filtration		m. Water Quality Ponds
Other:		Other:	□ Oth	
Inactive Construction Site	:			
E & S Control Device Insta E & S Control Device Mair		Routine Site Inspection Street Sweeping	□ Tras	sh Removal er:

	R	ain	Eve	nt Action	Plan	(REAP)
Da	te:			Project Number:	W912PL-	15-C-0002
	7			Site during Curre oxes below that apply to		s)
Ø	Storm Drain Improvement	M	Grading	Contractor		Surveyor- Soil Technician
0	Street Improvements		Water P	ipe Installation		Sanitary Station Provider
X	Material Delivery		Sewer P	ipe Installation		Electrical
	Trenching		Gas Pipe	e Installation		Carpentry
0	Concrete Pouring		Electrica	al Installation		Plumbing
	Foundation	٥	Communication Installation			Masonry
	Demolition	Erosion and Sediment Control			Water, Sewer, Electric Utilities	
X)	Material Delivery		Equipme	ent Fueling/Maintena	nce 🗆	Rock Products
	Tile Work- Flooring		Utilities,	e.g., Sewer, Electric		Painters
	Drywall		Roofers			Carpenters
	HVAC installers		Stucco		0	Pest Control: e.g., termite
0	Exterior Siding		Masons		0	prevention Water Feature Installation
	Insulation	ū	Landsca	pers		Utility Line Testers
	Fireproofing	٥	Riggers			Irrigation System Installation
0	Steel Systems	0	Utility L	ine Testers		Other:
	Information			ided to Site Person xes below that apply		
X	Educational Material Handout	M	Tailgate	Meetings	0	Training Workshop
0	Contractual Language		Fines an	d Penalties		Signage
	Other:		Other:			Other:

	Rain E	vent Action Plan	(REAP)
Date		Project Number:	W912PL-15-C-0002
stockpiles, waste managemen	ions and items to review areas, vehicle and equi	redicted Rain Event Actions of for this project. Each active Trade sho pment storage and maintenance, areas of MPs. Project-wide BMPs should be che	of active soil disturbance, and areas of
Trade or Activity	Suggested a	ection(s) to perform / item(s) to re	view prior to rain event
▼ Information & Scheduling	Check scl Alert eros Alert sam Schedule Check Er	rade supervisors of predicted rain heduled activities and reschedule as nee sion/sediment control provider apple collection contractor (if applicable) e staff for extended rain inspections (inclusion and Sediment Control (ESC) materials and progress map	uding weekends & holidays)
Material storage areas	Material Perimete	under cover or in sheds (ex: treated woo r control around stockpiles	ods and metals)
Waste management areas	Drain hold Recycling Sanitary	ers closed les plugged g bins covered stations bermed and protected from tip	ping
¥ Trade operations	Soil treat Materials Waste an Trenches Perimete	operations shut down for event (e.g., no tments (e.g.,: fertilizer) ceased within 24 s and equipment (ex: tools) properly sto ad debris disposed in covered dumpsters s and excavations protected er controls around disturbed areas and repair areas covered and bermed	hours of event red and covered
□ Site ESC BMPs	Adequate Adequate Site perii Catch base Tempora Tempora Roads sw	e capacity in sediment basins and traps meter controls in place sin and drop inlet protection in place an ary erosion controls deployed ary perimeter controls deployed around wept; site ingress and egress points stabi	disturbed areas and stockpiles lized
□ Concrete rinse out area	□ Adequate □ Wash-ou	e capacity for rain It bins covered	
🛛 Spill and drips	All incide	ent spills and drips, including paint, stu as emptied	cco, fuel, and oil cleaned

R	ain Event Action Plan (REAP)
Date: 1.5.16	Project Number: 933674007
☐ Other / Discussion / ☐ Diagrams ☐ ☐	
N	otes and Diagrams:
I certify under penalty of law that the or under my direction or supervision	nis Rain Event Action Plan (REAP) will be performed in accordance with the General Permit by me in accordance with a system designed to assure that qualified personnel properly gathered and d. Based on my inquiry of the persons who manage the system, or those persons directly responsible
for gathering the information, the i	nformation submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am alties for submitting false information, including the possibility of fine and imprisonment for
Qualified SWPPP Practitioner (Use	Date: 1.5.16



Major to record flooding continues over portions of Mississippi River Valley

Major flooding is occurring or forecast on the Mississippi and Ohio rivers & tributaries in Missouri, Illinois, and Kentucky, with record flooding at several locations. Major flooding is also occurring on the Arkansas River & tributaries in Arkansas. Floodwaters will move downstream over the next couple of weeks, with significant river flooding expected for the lower Mississippi into mid-January.

En Español

Share

Current conditions at SMER North Station (HP012) Lat: 33.4576°N Lon: 117.1707°W Elev: 1098ft.

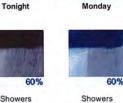
Humidity NA Wind Speed NA Barometer NA Dewpoint N/A

Visibility NA Last update

Extended Forecast for Temecula CASimilar City Names

This Afternoon









Tuesday



Tuesday



Wednesday

Showers Likely

Wednesday

Night



Slight Chance Light Rain High: 62 °F

Likely Low: 42 °F

High: 62 °F

Likely

Rain Likely Low: 45 °F

High: 58 °F

Low: 44 °F

High: 57 °F

Likely

Low: 41 °F

Likely

Detailed Forecast

This Afternoon

A 10 percent chance of light rain after 4pm. Partly sunny, with a high near 62. Southwest wind around 10 mph.

Tonight

A slight chance of light rain before 10pm, then a chance of rain between 10pm and 4am, then showers likely after 4am. Mostly cloudy, with a low around 42. Calm wind becoming northeast around 5 mph after midnight. Chance of precipitation is 60%.

Showers likely, mainly before 10am. Cloudy, with a high near 62. East wind around 5 mph becoming south in the afternoon. Chance of precipitation is 60%

Monday Night

Rain likely, mainly after 4am. Mostly cloudy, with a low around 45. Southeast wind around 5 mph becoming calm. Chance of precipitation is 60%

Tuesday

Rain. High near 58. West wind 5 to 10 mph becoming south in the morning. Chance of precipitation is 80%.

Tuesday Night

Showers. Low around 44. Chance of precipitation is 90%

Wednesday

Showers likely. Cloudy, with a high near 57. Chance of precipitation is 70%.

Wednesday Night

Showers likely. Cloudy, with a low around 41.

Thursday

Showers likely, Cloudy, with a high near 58.

Thursday Night

Showers likely. Mostly cloudy, with a low around 41.

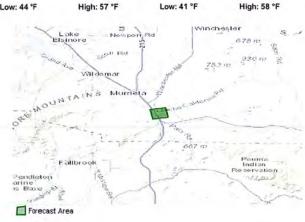
A chance of showers. Partly sunny, with a high near 59.

Friday Night

Mostly cloudy, with a low around 35

Saturday

Mostly sunny, with a high near 60.



Point Forecast: Temecula CASimilar City Names 33.5°N 117.14°W (Elev. 1030 ft)

Last Update:

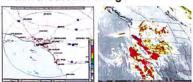
12:36 pm PST Jan 3, 2016

Forecast Valid

1pm PST Jan 3, 2016-6pm PST Jan 9, 2016

Additional Resources

Radar & Satellite Image



Hourly Weather Graph

MURRIETA CREEK PH II - INITIAL BMP PICTURES



Earthen Berm: 4' Tall X 12'Wide X Bank to Bank Berm placed at the Downstream End of project for Runoff Control.



Dust Control: Fulltime Water trucks (2-3 each 4,000Gal Capacity) are being used to keep dust down.



Construction Entrance: Picture of one of our exits (currently not being used) at the south end of project



Earthen berms are placed on top of embankments in non-active parts of the creek as part of the run-on protection. North end of the project near Rancho California Rd. This portion of the project from Sta. 107+00 to 102+00 is to be cleared only. OHL has requested US Army Corp to review the current condition and provide contour grading plans as well as any recommended BMPs.



Picture shows riprap being installed as part of the permanent slope protection from Sta. 102+00 to 98+00. The earthen berm on top along the access road is a part of the temp. run-on control.



This is along the eastside of the creek approx. 1,500 ft downstream of the Rancho California Rd. OC. Silt fence is in place as part of the run-on control.



Main construction entrance near Felix Valdez Rd. (90def bend). Rock and track-out plates are cleaned and maintained daily or as needed.



Earthen swale near Felix Valdez road is protected using fiber rolls as perimeter control.



All materials are stored on pallets near the Field yard near Felix Valdez entrance.



Eastside bank at Approx. Sta. 84+00 to 78+00. Silt fence in place for run-on control.



Crews installing additional silt fence along east bank Approx. Sta. 78+00 to 72+00.

Supplimental Pictures in lieu of Sampling due to hazardous conditions



Picture is taken looking down from Rancho California Bridge downstream on 1/7/16. Rancho California bridge is upstream of the project limits.



Approx. Sta. 62+00 near downstream project limits. Picture was taken during rain, shows approx. 8' high water level (from bottom of creek bed) and one of the side drains with heavy flows.



Picture is looking upstream from 1st St. Bridge on 1/7/16.



Picture is looking upstream directly down from 1st St. Bridge. 1st St. Bridge is within the project limits.

Attachment 4

to
January 7, 2016
Facility Inspection Report
for
Murrieta Creek Construction Site

Section 3 Best Management Practices

3.1 SCHEDULE FOR BMP IMPLEMENTATION

Table 3.1 below shows the general schedule for BMP implementation. The Contractor shall include specific details regarding the implementation of BMPs in Appendix F.

Table 3.1 BMP Implementation Schedule

	BMP	Implementation	Duration
lo:	EC-1, Scheduling	Prior to Construction	Entirety of Project
Erosion	EC-2, Preservation of Existing Vegetation	Start of Construction	Entirety of Project
Sediment Control	SE-1, Silt Fence and/or SE-5, Fiber Rolls	Start of Construction	Entirety of Project
edin Cont	SE-7, Street Sweeping & Vacuuming	Start of Construction	Entirety of Project
S O	WE-1, Wind Erosion Control	Start of Construction	Entirety of Project

3.2 EROSION AND SEDIMENT CONTROL

Erosion and sediment controls are required by the General Permit to provide effective reduction or elimination of sediment related pollutants in storm water discharges and authorized non-storm water discharges from the Site. BMPs are identified in this section for erosion control and sediment control.

3.2.1 Erosion Control

Erosion control, also referred to as soil stabilization, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in storm water runoff. Erosion control BMPs protect the soil surface by covering and/or binding soil particles.

This construction project will implement the following practices to provide effective temporary and final erosion control during construction:

- 1. Preserve existing vegetation where required and when feasible.
- 2. Manage the areas of soil disturbing operations such that the crew is able to implement erosion control BMPs quickly and effectively.
- 3. Stabilize non-active areas within 14 days of cessation of construction activities, or sooner if stipulated by local requirements.
- 4. Control erosion in concentrated flow paths by applying effective measures or methods.
- 5. Prior to the completion of construction, apply permanent erosion control to remaining disturbed soil areas.

Sufficient erosion control materials shall be maintained onsite to allow implementation in conformance with this SWPPP.

The following temporary erosion control BMP selection table indicates the BMPs that shall be implemented to control erosion on the construction site.

Table 3.2 Temporary Erosion Control BMPs

CASQA	DMDM	Meets a	BMP Used		TO
Fact Sheet	BMP Name	Minimum Requirement ⁽¹⁾	YES	NO	- If not used, state reason
EC-1	Scheduling	✓	✓		
EC-2	Preservation of Existing Vegetation	✓	√		
EC-3	Hydraulic Mulch	✓ (2)		✓	Not appropriate for this project, which is situated in an existing stream bed.
EC-4	Hydroseed	✓ (2)		✓	Not appropriate in an existing stream bed
EC-5	Soil Binders	√ ⁽²⁾		✓	Not appropriate in an existing stream bed
EC-6	Straw Mulch	√ (2)		✓	Not appropriate in an existing stream bed
EC-7	Geotextiles and Mats	√ (2)		✓	Not appropriate in an existing stream bed
EC-8	Wood Mulching	√ (2)		✓	Not appropriate in an existing stream bed
EC-9	Earth Dike and Drainage Swales	√ (3)	✓		
EC-10	Velocity Dissipation Devices		✓		
EC-11	Slope Drains			✓	Not needed
EC-12	Stream Bank Stabilization		✓		
EC-14	Compost Blankets	√ (2)		✓	Not appropriate in an existing stream bed
EC-15	Soil Preparation-Roughening			✓	Not appropriate in an existing stream bed
EC-16	Non-Vegetated Stabilization	√ ⁽²⁾		✓	Not appropriate in an existing stream bed
WE-1	Wind Erosion Control	✓	✓		
Alternate	Alternate BMPs Used:			If used, state reason:	

⁽¹⁾ Applicability to a specific project shall be determined by the QSD.

⁽²⁾ The QSD shall ensure implementation of one of the minimum measures listed or a combination thereof to achieve and maintain the Risk Level requirements.

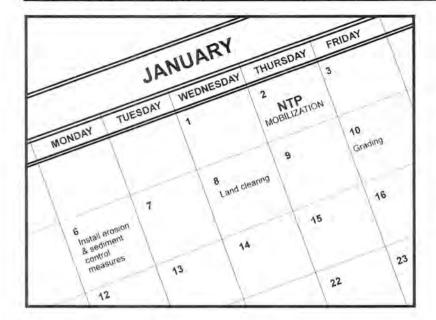
⁽³⁾ Run-on from offsite shall be directed away from all disturbed areas, diversion of offsite flows may require design/analysis by a licensed civil engineer and/or additional environmental permitting

✓ ×

X

X

V



Description and Purpose

Scheduling is the development of a written plan that includes sequencing of construction activities and the implementation of BMPs such as erosion control and sediment control while taking local climate (rainfall, wind, etc.) into consideration. The purpose is to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking, and to perform the construction activities and control practices in accordance with the planned schedule.

Suitable Applications

Proper sequencing of construction activities to reduce erosion potential should be incorporated into the schedule of every construction project especially during rainy season. Use of other, more costly yet less effective, erosion and sediment control BMPs may often be reduced through proper construction sequencing.

Limitations

 Environmental constraints such as nesting season prohibitions reduce the full capabilities of this BMP.

Implementation

- Avoid rainy periods. Schedule major grading operations during dry months when practical. Allow enough time before rainfall begins to stabilize the soil with vegetation or physical means or to install sediment trapping devices.
- Plan the project and develop a schedule showing each phase

Categories

EC	Er	osio	n Cont	rol	
	2	100			

SE Sediment Control

TC Tracking Control
WE Wind Erosion Control

Non-Stormwater

NS Non-Stormwater Management Control

WM Waste Management and Materials Pollution Control

Legend:

- ☑ Primary Objective
- Secondary Objective

Targeted Constituents

Sediment

Nutrients

Trash

Metals

Bacteria

Oil and Grease

Organics

Potential Alternatives

None



of construction. Clearly show how the rainy season relates to soil disturbing and restabilization activities. Incorporate the construction schedule into the SWPPP.

- Include on the schedule, details on the rainy season implementation and deployment of:
 - Erosion control BMPs
 - Sediment control BMPs
 - Tracking control BMPs
 - Wind erosion control BMPs
 - Non-stormwater BMPs
 - Waste management and materials pollution control BMPs
- Include dates for activities that may require non-stormwater discharges such as dewatering, sawcutting, grinding, drilling, boring, crushing, blasting, painting, hydro-demolition, mortar mixing, pavement cleaning, etc.
- Work out the sequencing and timetable for the start and completion of each item such as site clearing and grubbing, grading, excavation, paving, foundation pouring utilities installation, etc., to minimize the active construction area during the rainy season.
 - Sequence trenching activities so that most open portions are closed before new trenching begins.
 - Incorporate staged seeding and re-vegetation of graded slopes as work progresses.
 - Schedule establishment of permanent vegetation during appropriate planting time for specified vegetation.
- Non-active areas should be stabilized as soon as practical after the cessation of soil disturbing activities or one day prior to the onset of precipitation.
- Monitor the weather forecast for rainfall.
- When rainfall is predicted, adjust the construction schedule to allow the implementation of soil stabilization and sediment treatment controls on all disturbed areas prior to the onset of rain.
- Be prepared year round to deploy erosion control and sediment control BMPs. Erosion may be caused during dry seasons by un-seasonal rainfall, wind, and vehicle tracking. Keep the site stabilized year round, and retain and maintain rainy season sediment trapping devices in operational condition.
- Apply permanent erosion control to areas deemed substantially complete during the project's defined seeding window.

Costs

Construction scheduling to reduce erosion may increase other construction costs due to reduced economies of scale in performing site grading. The cost effectiveness of scheduling techniques should be compared with the other less effective erosion and sedimentation controls to achieve a cost effective balance.

Scheduling EC-1

Inspection and Maintenance

- Verify that work is progressing in accordance with the schedule. If progress deviates, take corrective actions.
- Amend the schedule when changes are warranted.
- Amend the schedule prior to the rainy season to show updated information on the deployment and implementation of construction site BMPs.

References

Stormwater Quality Handbooks Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Stormwater Management for Construction Activities Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-005), U.S. Environmental Protection Agency, Office of Water, September 1992.