SUSANA MARTINEZ
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JOHN A. SANCHEZ
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NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

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Deputy Secretary

ERIKA SCHWENDER
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

October 8, 2013

Ms. Melissa Lozoya
Engineering Division Manager
City of Albuquerque
P.O. Box 1293 Att: DMD/Storm Drainage
Albuquerque, New Mexico 87103

Re: Petroglyph Estates SAD 228/City of Albuquerque; Construction Stormwater; SIC 1623; NPDES Compliance Evaluation Inspection; NPDES Permit NMR12AE92; September 23, 2013

Dear Ms. Lozoya:

Enclosed please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) conducted at a construction site for which you may be an "operator" (see Appendix A in permit). The NMED conducted this inspection on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Problems noted during this inspection are listed in the checklist section of the inspection report. You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing both USEPA (Diana McDonald, USEPA (6EN-WT), 1445 Ross Ave., Dallas, Texas, 75202), NMED (at the above address) regarding modifications and compliance schedules.

If you have any questions about this inspection report, please contact Daniel Valenta at 505-827-2575 or at daniel.valenta@state.nm.us.

Sincerely,

/s/Bruce J. Yurdin

Bruce J. Yurdin
Program Manager
Point Source Regulation Section
Surface Water Quality Bureau

Cc: Rashida Bowlin, USEPA (6EN-AS) by email
Carol Peters-Wagnon (6EN-AS) by email
Diana McDonald, USEPA (6EN-AS) by email
Darlene Whitten-Hill, USEPA (6EN-AS) by email
Hannah Branning, USEPA (6EN-AS) by email
NMED, Mr. William Chavez District 1 Manager, by email

EPA

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 N 2 5 3	N M R 1 2 A E 9 2 11	12 1 3 0 9 2 3 17	18 (	19 S 20	2

Remarks: C O N S T R U C T I O N > 5 A C R E S

Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 2	71 N 72	N 73 74	75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time /Date	Permit Effective Date
Petroglyph Estates Special Assessment District 228, Bernalillo County, Lat 35.1688, Long 106.7214/ Traveling south on I-25, west on Pesco Del Norte, passed Golf Course Rd to Kimmick Road, site on left side of road.	**1032 hours/9-23-2013**	**2-15-2012**
	Exit Time/Date **1532 hours/9-23-2013**	Permit Expiration Date **2-14-2017**

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Joseph Sanchez/ Project Manager/ cell 505-264-5249, 505-242-4848, fax 505-242-9050
Chris Brosious/ Project Manager- Crushing/ 505-991-5832, 505-452-0663 Fax 505-452-0664
Dave Harrson/City of Albuquerque-Services Division/ 505-924-3669
Ubaldo Franco Jr./Resident Project Representative/ 505-348-4120, cell 505-259-3814 fax 505-348-4072

Other Facility Data

N. 35.1688
W -106.7214

SIC 1623

Name, Address of Responsible Official/Title/Phone and Fax Number

Ms. Melissa Lozoya, P.O. Box 1293, Albuquerque New Mexico /Engineering Division Manager/505-768-3654

Contacted: Yes [ ] No [X]

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	N	Flow Measurement	M	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
U	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	N	Laboratory	U	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. **Inspector arrived at the site at approximately 1032 hours on September 23, 2013 and conducted an entrance interview with Mr. Joseph Sanchez, Mr. Ubaldo Franco Jr., and Mr. David Harrson where he presented his credentials, made introductions and explained the purpose of the inspection. An exit interview was conducted with the above at approximately 1532 hours at the construction site that same day.**
2. **Please see report for further explanations.**

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
DANIEL VALENTA	NMED/SWQB 505-827-2575	
Signature of Management QA Reviewer SARAH HOLCOMB Sarah Holcomb	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-827-2798	Date 10-8-2013

Industrial Storm Water Worksheet (Construction) – State of New Mexico

National Database Information		General	
Inspection Type	CEI	Inspector Name	Daniel Valenta/ Sandra Gabaldon
NPDES ID Number	NMR12AE92/NMR12AE47	Telephone	505-827-2575
Inspection Date	September 23, 2013	Entry Time	1032 AM
Inspector Type (circle one)	EPA State EPA Oversight SIC: 1611 / Construction	Exit Time	1532 AM
Facility Type (circle one)	Commercial / Residential / Municipal / Industrial	Signature	

Facility Location Information				
Name/Location/Mailing Address	Petroglyph Estates Special Assessment District 228 Albuquerque, NM Bernalillo County			
Coordinates	Latitude	N 35.1688	Longitude	W -106.7214
Receiving Waters	City of Albuquerque MS4, thence to the Rio Grande River in NMAC segment 20.6.4.105			
Disturbed Area	77 Acres	Start/Stop Dates	Start: 11/14/2012 Stop: 5/30/2014	

Contact Information		
	Name(s)	Telephone
Name(s) and Role(s) of All Parties Meeting the Definition of Operator	City of Albuquerque - Owner AUI, Inc. – Project Manager	(505) 768-3000 (505) 242-4848
Facility Contact	Joseph Sanchez, Project Manager AUI, Inc.	(505) 264-5249 (Cell) (505) 242-4848 (Office))505) 242-9050 (fax)
Authorized Official(s)	Mr. Kari Biernaki, Vice President, AUI, Inc. Ms. Kathleen M. Verhage, City of Albuquerque	(505) 242-4848 (505) 768-3654

Site Information:							
Nature of Project	Residential	Commercial / Industrial	Roadway	Private	Federal	State / Municipal	
Construction Stage	Clearing / Grubbing	Rough Grading	Infrastructure	Building (Vertical)	Final Grading	Final Stabilization	

Basic Permit Information			Basic SWPPP Information		
Permit Coverage	Y	N	SWPPP Prepared & Available? *Part 7.1.1, 7.2.1*	Y	N
Permit Type	General	Individual	SWPPP Contents Satisfactory?	Y	N
Notice Posted (visible, font large, NPDES Permit tracking#, contact name & phone #) *Part 1.5*	Y	N	SWPPP Implementation Satisfactory?	Y	N
NOI Date	AUI (11/2/2012)	City (11/19/2013)	SWPPP Date	11/2/2012	Signature date
Is NOI Satisfactory?	Y	N			

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Additional Facility and Inspection Information *(optional)*
Volcano Cliffs Subdivision is a 77 acre development of 497 lots with 300+ owners under Special Assessment District 228. Site now undergoing public infrastructure improvements include: paving, drainage, water, sanitary sewer and private utilities (electric, gas, telephone, cable TV).

SWPPP Review *(can be completed in office)*			
General			**Notes:**
SWPPP Signed/Certified. Did all operators sign/certify the SWPPP? *Part 7.2.15, Appendix I.11*	Y	N	
SWPPP completed prior to NOI? *Part 7.1.1, Part 1.2.1*	Y	N	SWPPP signed 11/2/2013; NOI submitted 11/2/2013
Endangered Species Act. Does SWPPP include documentation supporting determination? *Part 7.2.14.1; Part 1.1.e, Appendix D*	Y	N	*NOI checked criterion C – Not likely to adversely affect endangered species in the action area - SWPPP provides Listing of Endangered Species.*
Historic Properties. Does SWPPP include documentation supporting determination? *Part 7.2.14.2, Appendix E*	Y	N	
If applicable, documents contact with agency or office responsible for implementing Safe Drinking Water Act <u>underground injection control well(s)</u>? *Part 7.2.14.3, 40 CFR Parts 144 -147*	Y	N	N/A
Post-Authorization Additions. Does SWPPP include: ➢ Copy of acknowledgement letter Y/N ➢ Copy of NOI Y/N ➢ Copy of permit Y/ N *Part 7.2.16.3*	Y	N	• *Copy of acknowledge letter provided in SWPPP.* • *Copy of NOI included in SWPPP* • *Copy of Construction General Permit included in SWPPP.*
If applicable, SWPPP describes compliance with any case-by-case basis USEPA imposed water quality-based effluent limitation requirements? *Part 3*	Y	N	*N/A*
If discharge to an impaired water, includes records of all data used to complete NOI: ➢ List of all impaired waters Y/N ➢ Pollutant(s) for which the surface water is impaired Y/N ➢ Whether a TMDL has been approved or established Y/N *Part 3.2.1, Appendix I.15*	Y	N	*Discharge is to City of Albuquerque MS4 thence to the Rio Grande in NMAC segment 20.6.4.105.*
Required SWPPP modifications completed? ➢ Completed w/7 days Y/N ➢ Maintains modification records showing dates, name of person authorizing change and summary Y/N ➢ Signed/Certified Y/N ➢ Immediately notified other operators Y/N *Parts 7.4, 5.2.2, Appendix I.11.b*	Y	N	*After rain events around 9/15/2013* ***no modifications are noted in the SWPPP.***
Records Retention. Have copies of inspection reports/all other documentation been retained as part of the SWPPP for 3 years from date permit coverage expires or is terminated? *Parts 4.1.7, 5.4.4, Appendix I.10.2, I.15*	Y	N	*N/A – Permit coverage has not yet expired. Active permit.*

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Team & Activity Description			Notes:
Identifies stormwater team personnel and responsibilities? ➢ Personnel (by name or position) Y/N ➢ Individual responsibilities Y/N *Part 7.2.1*	Y	N	*City of Albuquerque – Owner; Responsible for updating SWPPP based on needed changes.* *AUI, Inc. – Responsible for installing and maintance of all BMP's.*
Is staff training documented? ➢ Training occurs prior to the commencement of earth-disturbing activities or pollutant-generating activities, whichever occurs first Y/N (unknown) ➢ Ensures following understand the requirements of this permit and their specific responsibilities: o Personnel responsible for the design, installation, maintenance, and/or repair of controls/measures Y/N o Personnel responsible for the application and storage of treatment chemicals Y/N o Personnel responsible for conducting inspections Y/N o Personnel responsible for taking corrective actions Y/N ➢ At a minimum, training includes: o Location of all stormwater controls on the site required by this permit, and how maintained Y/N o Proper procedures to follow with respect to the permit's pollution prevention requirements Y/N o When and how to conduct inspections, record applicable findings, and take corrective actions Y/N *Parts 7.2.13, 6 and permit notes for emergency-related construction activities*	Y	N	*List of training requirements documented on page 5 of SWPPP signed copies in SWPPP.*
Describes nature of construction activities? ➢ Size of the property Y/N ➢ Total area to be disturbed Y/N ➢ Construction support activity areas Y/N ➢ Maximum area to be disturbed at any one time Y/N *Part 7.2.2*	Y	N	*77 acres – Total project area*
If applicable, documents emergency-related projects? ➢ Cause of public emergency (e.g., natural disaster, extreme flooding conditions, etc.) Y/N ➢ Info substantiating occurrence (e.g., state disaster declaration or similar state or local declaration) Y/N ➢ Description of the construction necessary to reestablish effected public services Y/N *Parts 7.2.3, 1.2*	Y	N	N/A
Identifies (lists) other site operators and areas of site over which each has control? ➢ List and areas of site over which each has	Y	N	*SWPPP identifies operators on site.*

control Y/N *Part 7.2.4*			
Describes sequence, estimated dates (departures) and duration of construction activities? ➢ Installation of control measures when operational Y/N ➢ Commencement/duration clearing & grubbing, mass grading, site preparation (excavating, cutting & filling), final grading, and creation of soil & vegetation stockpiles Y/N ➢ Cessation, temporarily or permanently, of construction activities on the site, or in designated portions of site Y/N ➢ Final/temporary stabilization areas of exposed soil Y/N ➢ Removal of temporary stormwater conveyances/channels and other stormwater control measures Y/N ➢ Removal of construction equipment and vehicles Y/N *Part 7.2.5*	Y	N	*A punch list is used to describe sequence of events.*
Site Map			**Notes:**
Includes legible site map(s)? *Part 7.2.6*	Y	N	
➢ Boundaries of the property Y/N ➢ Locations construction activities will occur Y/N ➢ Locations earth-disturbing activities will occur (note any phasing) Y/N ➢ Approximate slopes before and after major grading (note steep slopes) Y/N ➢ Locations sediment, soil, or materials will be stockpiled Y/N ➢ Locations of crossings of surface waters Y/N ➢ Designated points vehicles exit onto paved roads Y/N ➢ Locations of structures/impervious surfaces upon completion Y/N ➢ Locations of construction support activity areas Y/N *Part 7.2.6.1*	Y	N	
➢ Locations of surface waters/wetlands, within or in immediate vicinity Y/N ➢ Indicates waters listed as impaired, and Tier 2~~, Tier 2.5,~~ or Tier 3 Y/N *Part 7.2.6.2*	Y	N	
➢ Boundary lines of natural buffers *Parts 7.2.6.3, 2.1.2.1a*	Y	N	N/A
➢ Areas of federally-listed critical habitat for endangered or threatened species *Part 7.2.6.4*	Y	N	
➢ Topography Y/N ➢ Existing vegetative cover Y/N ➢ Drainage pattern of stormwater/authorized	Y	N	

non-stormwater flow onto, over, and from site <u>before and after</u> major grading Y/N *Part 7.2.6.5*			
➢ Stormwater and allowable non-stormwater discharge locations Y/N ➢ Locations of storm drain inlets on site and immediate vicinity Y/N ➢ Locations stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands) on or near site Y/N *Part 7.2.6.6*	Y	N	
➢ Locations of potential pollutant-generating activities *Part 7.2.6.7, Part 7.2.7*	Y	N	
➢ Locations of control measures *Part 7.2.6.8*	Y	N	
➢ Locations polymers, flocculants, or treatment chemicals will be used/stored *Part 7.2.6.9*	Y	N	*N/A – No polymers, flocculants, or treatment chemicals are being used/stored at this construction site.*
Construction Site Pollutants			**Notes:**
Includes pollutant-generating activities list and description? *Part 7.2.7.1*	Y	N	
Includes inventory of pollutants or constituents? ➢ Inventory Y/N ➢ Potential spills/leaks Y/N ➢ Departures from manufacturer's specifications for applying fertilizers containing nitrogen & phosphorus Y/N/NA *Parts 7.2.7.2, 2.3.5.1*	Y	N	
Identifies all sources of allowable non-stormwater discharges? *Parts 7.2.8, 1.3.d*	Y	N	
If required (surface water wi/50 feet of earth disturbance), documents and describes <u>buffer compliance alternative</u> selected? ➢ Ensures that all discharges from the area of earth disturbance to the natural buffer are first treated by the site's erosion and sediment controls Y/N/NA ➢ Uses velocity dissipation devices, if necessary Y/N/NA ➢ Documents natural buffer width Y/N/NA ➢ Delineates, and clearly marks off, with flags, tape, or other similar marking device all natural buffer areas Y/N/NA ➢ Documents erosion and sediment control(s) used to achieve an equivalent sediment reduction Y/N/NA ➢ Documents any information relied upon to demonstrate equivalency Y/N/NA *Parts 7.2.9, 2.1.2, Appendix G*	Y	N	N/A

As applicable, describes and documents <u>buffer exceptions</u>? ➢ Describes rationale/why infeasible to provide and maintain an undisturbed natural buffer of any size Y/N/NA ➢ For linear project, describes buffer width retained and supplemental controls installed Y/N/NA ➢ Small residential lot options Y/N/NA ➢ Documents CWA Section 404 Permit, water-dependent structure/access disturbances Y/N *Parts 7.2.9; 2.1.2.1e, Appendix G*	Y	N	N/A
All Stormwater Control Measures			**Notes:**
Describes each measure? ➢ Type of measure to be installed and maintained, including design information Y/N ➢ Specific sediment controls installed and made operational prior to conducting earth-disturbing activities Y/N ➢ For exit points, stabilization techniques and any additional controls planned to remove sediment prior to vehicle exit Y/N ➢ For linear projects (if applicable), where/why it has been determined that the use of perimeter controls is practicable Y/N/NA *Part 7.2.10.1*	Y	N	*Ponds shown on maps were not completed before site disturbed.*
Erosion and Sediment Controls			**Notes:**
Minimizes <u>area of disturbance</u>? *Part 2.1.1.1*	Y	N	
Describes erosion and sediment control <u>design</u> requirements? ➢ Accounts for expected amount, frequency, intensity, duration of precipitation Y/N ➢ Accounts for nature of run-on and run-off (channelized peak flow rates & total volume at outlet) Y/N ➢ Accounts for range of soil particle sizes (distribution, erosivity and cohesiveness) Y/N ➢ Directs discharge to vegetated areas to increase sediment removal and infiltration unless infeasible Y/N/NA ➢ Uses velocity dissipation, if necessary Y/N ➢ Complies with State of New Mexico except Indian country requirements: o Includes site-specific BMPs/controls designed to prevent to the maximum extent practicable an increase in sediment yield/flow velocity from pre-construction, pre-development conditions both during and after construction Y/N o Selection based on appropriate soil loss prediction models (results in sediment yields/flow velocities, that to the maximum extent practicable, will not be greater than the sediment yield levels and flow velocities from pre-construction, pre-development conditions) Y/N	Y	N	The SWPPP does not address design requirements. These requirements state: *You must account for:* *The expected amount, frequency, intensity and duration of precipitation;* *The nature of stormwater runoff and run-on at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features. If any stormwater flow will be channelized at your site, you must design stormwater controls to control both peak flow rates and total stormwater volume to minimize erosion at outlets and to minimize downstream channel and streambank erosion; and* *The range of soil particle sizes expected to be present at the site.*

Parts 2.1.1.2, 9.4.1.1			
Describes erosion and sediment control <u>installation</u> requirements? ➢ Completes installation of downgradient stormwater/sediment controls by the time or immediately following earth-disturbance begins unless infeasible Y/[N]/NA ➢ Installs all other controls and makes operational as soon as conditions allow Y/[N] ➢ Uses good engineering practices and follows manufacturer's specifications or explain departures [Y]/N *Part 2.1.1.3*	Y	[N]	*Due to rain events during the month of September BMP's failed. SWPPP and BMP's were not updated to control the increased rainfall and type of soil present at the site. Not all downgradient ponds completed.*
Describes erosion and sediment control <u>maintenance</u> requirements? ➢ Initiates fix immediately and completed by close of next work day (routine maintenance) [Y]/N ➢ Installs new measure/significant repair no later than 7 calendar days or document why infeasible Y/[N] *Part 2.1.1.4*	Y	[N]	*BMPs were repaired after rain events however new or adjustments to type and placement of BMPs were not made.*
Installs <u>perimeter controls</u> and describes maintenance (removes sediment before it has accumulated to 1/2 of the above-ground height)? *Part 2.1.2.2*	[Y]	N	
Minimizes <u>sediment track-out</u>? ➢ Restricts vehicle use to properly designated exit points? Y/[N] ➢ Uses appropriate stabilization techniques at all points that exit onto paved roads? [Y]/N ➢ Where necessary, uses additional measures to remove sediment prior to exit? Y/N/[NA] ➢ Removes tracked out sediment prior to the end of the same work day or if occurs on non-work day the next work day? [Y]/N *Part 2.1.2.3*	Y	[N]	
Controls discharges from <u>stockpiled sediment or soil</u>? ➢ Locates piles outside of buffers Y/[N] ➢ Locates piles separate from stormwater controls Y/[N] ➢ Uses temporary sediment barrier [Y]/N ➢ Where practicable, provides cover or temporary stabilization Y/[N] ➢ Does not hose down or sweep into stormwater conveyance unless connected to basin, trap, etc. [Y]/N ➢ Contains and securely protects pile from wind? Y/[N] *Part 2.1.2.4*	[Y]	N	*Site is actively being worked, strips of undisturbed soil are left in place to help control runoff.*
Minimizes <u>dust</u>? *Part 2.1.2.5*	[Y]	N	*Water trucks are on site, due to type of soil dust control is an ongoing concern.*
Minimizes disturbance of <u>steep slopes</u>? *Part 2.1.2.6*	Y	[N]	*Discharges to steep slopes have occurred. Some ponds are located next to steep slopes.*

Preserves topsoil, unless infeasible? *Part 2.1.2.7*	Y	N	

Minimizes soil compaction where final vegetative stabilization or infiltration installed? *Part 2.1.2.8*	Y	N	
Protects storm drain inlets and describes maintenance requirements (removes sediment by the end of the same work day or end of the following work day)? *Part 2.1.2.9*	Y	N	*Storm drains will discharge to holding ponds. No roads or drains constructed at present time.*
Describes constructed conveyance channel controls (if installed)? *Part 2.1.3.1*	Y	N	N/A
Describes sediment basin design (if installed) and maintenance (maintain at least ½ of capacity at all times)? *Part 2.1.3.2*	Y	N	*Some basins not completed, those in place not described in any detail in SWPPP.*
Describes treatment chemical controls (if used)? *Part 2.1.3.3*	Y	N	N/A
Includes documentation for use of treatment chemicals (polymers, flocculants, or other treatment chemicals)? ➢ Lists all soil types expected to be exposed and locations where chemicals will be applied. Also include a list of soil types expected to be found in fill material to be used in same areas Y/N ➢ Lists all treatment chemicals and why the selection of these chemicals is suited to the soil characteristics Y/N ➢ If authorized by EPA to use cationic treatment chemicals, includes the specific controls and implementation procedures designed to ensure use of cationic treatment chemicals will not lead to a violation of water quality standards Y/N/NA ➢ Dosage/methodology to determine dosage Y/N ➢ Information from any applicable MSDS Y/N ➢ Schematic drawings of any chemically-enhanced or chemical treatment systems Y/N/NA ➢ Description of how chemicals will be stored Y/N ➢ References to applicable state or local requirements and copies of applicable manufacturer's specifications Y/N ➢ Description of training that personnel have received or will receive Y/N *Parts 7.2.10.2, 2.1.3.3h*	Y	N	N/A
Describes dewatering controls (if installed)? *Part 2.1.3.4*	Y	N	N/A

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Stabilization Requirements			Notes:
Describes compliance with deadlines for vegetative and/or non-vegetative stabilization practices, including exceptions? <u>Deadline to Initiate</u> ➢ Initiates stabilization immediately (no later than end of next work day following earth-disturbing activities permanently/temporarily ceased) Y/N/N/A <u>Deadline to Complete</u> ➢ As soon as practicable, but no later 14 calendar days after initiation, completes stabilization (for vegetative, all activities to initially seed or plant, and/or for non-vegetative, installation or application) Y/N ➢ In arid, semi-arid or drought-stricken areas for permanent stabilization, immediately initiates, and within 14 calendar days completes non-vegetative stabilization measures to prevent erosion; and as soon as practicable completes all activities necessary to initially seed or plant; and documents beginning/ending dates of the seasonally dry period, site conditions, and schedule Y/N/NA ➢ Documents/describes circumstances beyond control that prevent meeting deadlines Y/N/NA ➢ If discharging to sediment or nutrient-impaired waters or Tier 2~~, 2.5~~ or 3 waters, completes stabilization (vegetative or non-vegetative) wi/7 calendar days after temporary or permanent cessation Y/N/NA *Parts 7.2.10.3, 2.2.1, 3, 9.4.1.3*	Y	N	*N/A – Site is currently active. No cessation has occurred.*
Describes compliance with vegetative (final) stabilization criteria? ➢ Provides uniform vegetation (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for all unpaved areas / areas not covered by permanent structures Y/N ➢ Immediately after seeding or planting the area to be vegetatively stabilized, to the extent necessary to prevent erosion on the seeded or planted area, select, design, and install non-vegetative erosion controls that provide cover while vegetation is becoming established Y/N *Parts 7.2.10.3, 2.2.2.a, 3, 9.4.1.4*	Y	N	

If applicable, describes compliance with State of New Mexico, except Indian country, arid, semi-arid areas, or drought stricken option for final stabilization: ➢ Area seeded/planted must wi/3 yrs provides established vegetation that achieves 70% of the native background vegetative cover Y/N ➢ Selects, designs, and installs non-vegetative erosion controls that provide cover for at least 3 years without active maintenance Y/N ➢ Complies with notification, inspection maintenance, and reporting) Y/N *Parts 7.2.10.3, 2.2.2.b, 3, 9.4.1.5*	Y	N	*N/A – Active site.* *Please note the requirements of 9.4.1.5 when project is completed.*
If using, provides effective non-vegetative cover to stabilize? *Parts 7.2.10.3, 2.2.2.2*	Y	N	*Roads and houses will occupy large percent of site.*
Pollution Prevention Procedures			**Notes:**
Describes procedures for <u>spill prevention and response</u>? *Parts 7.2.11.1, 2.3.4*	Y	N	
Describes procedures for <u>waste management</u>? *Part 7.2.11.2, 2.3.3.3*	Y	N	
Eliminates prohibited discharges? ➢ Concrete washout, unless managed by control in Part 2.3.3.4 Y/N ➢ Washout/cleanout of stucco, paint, form release oils, curing compounds and other materials unless managed by control in Part 2.3.3.4 Y/N ➢ Fuels, oils or other from vehicle and equipment O&M Y/N/NA ➢ Soaps, solvents, or detergents used in vehicle and equipment washing Y/N/NA ➢ Toxic or hazardous substances from spill/release Y/N/NA *Part 2.3.1*	Y	N	
Properly maintains and protects all pollution prevention controls? *Part 2.3.2*	Y	N	
Complies with pollution prevention standards for certain activities? ➢ Fueling/maintenance of equipment or vehicles Y/N/NA ➢ Washing of equipment and vehicles Y/N/NA ➢ Storage, handling, disposal of materials, products and waste Y/N/NA ➢ Washing applicators/containers Y/N/NA *Part 2.3.3*	Y	N	N/A
Minimizes discharge/complies with restrictions of <u>fertilizer application</u>? *Part 2.3.5*	Y	N	N/A

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Inspections and Corrective Action			
SWPPP describes procedures for <u>inspection, maintenance, and corrective action</u>? ➢ Personnel conducting inspections [Y]/N ➢ Inspection schedule [Y]/N ➢ Reduction of inspection frequency Y/N/[NA]. As applicable: o location of the rain gauge or the address of weather station to obtain rainfall data [Y]/N/NA o beginning and ending dates of the seasonally-defined arid period for your area or the valid period of drought Y/N/[NA] o beginning and ending dates of frozen conditions Y/N/[NA] ➢ Inspection or maintenance checklists or other forms that will be used [Y]/N *Parts 7.2.12*	Y	[N]	*Rainfall gauge on site, data was recorded for the month of July and then stopped.*
Inspections			**Notes:**
Inspections performed by "qualified" person? *Part 4.1.1*	[Y]	N	
Conducts inspections at a minimum of required frequency unless reductions documented? ➢ Every 7 days <u>or</u> 14 days & w/in 24 hrs of a 0.25" rain event Y/[N] *Part 4.1.2*	[Y]	N	
If applicable, conducts increased inspection frequency for sites with discharges to sediment or nutrient-impaired waters or Tier 2~~, 2.5~~ or 3 waters: ➢ Once every 7 days Y/N; <u>and</u> ➢ Within 24 hrs of a ≥ 0.25" rain event Y/N? *Parts 4.1.3, 3.3.2.1, 3.3.2*	Y	N	N/A
If allowable (begin/end dates recorded), documents reduced inspection frequency? ➢ Stabilized area - 1/mo in areas where stabilization has been completed Y/N/NA ➢ For arid/semi arid during seasonally dry period or drought-stricken areas - 1/mo and wi/24 hrs of the occurrence of a storm event ≥ 0.25" Y/N/NA ➢ For frozen conditions (runoff unlikely, disturbance suspended, areas stabilized) - suspends until thawing conditions Y/N/NA *Part 4.1.4.1 thru 3*	Y	N	N/A
Inspection areas includes: ➢ All cleared, graded, excavated, and not completed stabilization [Y]/N ➢ All controls/measures [Y]/N ➢ Material/waste/borrow/equipment storage and maintenance areas [Y]/N Does not address stockpiled sediment ➢ All areas stormwater typically flows [Y]/N ➢ All points of discharge [Y]/N - Does not address storm drain inlet	[Y]	N	

➢ All locations stabilization implemented Y/N/NA *Part 4.1.5*			
Inspection includes minimum requirements? ➢ Controls installed/operational Y/N ➢ Determines need to replace, repair, or maintain Y/N ➢ Conditions that could lead to spills, leaks, and accumulations of pollutants Y/N ➢ Identifies where new or modified controls are necessary Y/N ➢ At points of discharge, checks for visible erosion/sedimentation on banks Y/N/NA ➢ Identifies noncompliance Y/N ➢ If discharge is occurring: o Identifies all points of discharge Y/N o Observes/documents visual quality, including color, odor, floating, settled, or suspended solids, foam, oil sheen, and other of pollutants Y/N o Documents whether controls operating effectively, and describes controls not operating as intended or need maintenance Y/N ➢ Based on results of inspection, initiates corrective action under Part 5. *Part 4.1.6*	Y	N	*Contractor stated he was doing his inspection on the day of the site visit.* *After discharges occurred SWPPP and controls not updated to address discharges.*
Inspection reports: ➢ Completed within 24 hrs Y/N ➢ Includes inspection date Y/N ➢ Includes names/titles of personnel Y/N ➢ Includes summary of findings Y/N ➢ Includes applicable rain gauge reading Y/N/NA ➢ Signed and certified in accordance with Appendix I.11 Y/N *Part 4.1.7.1 and 2*	Y	N	

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Corrective Action			Notes:
Corrective action initiated immediately; and permanent solution completed no later than 7 calendar days from the time of discovery or if infeasible as soon as practicable? *Part 5*	Y	N	*Repairs made to silt fences, permanent solution to discharges were not apparent.*
Within 24 hours of discovering the occurrence, completes a report of the following: ➢ Condition identified Y/N ➢ Nature of the condition identified Y/N ➢ Date and time of the condition identified and how it was identified Y/N *Part 5.4*	Y	N	
Within 7 calendar days of discovering the occurrence, completes a report of the following: ➢ Follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred Y/N ➢ Summary of stormwater control modifications taken or to be taken Y/N ➢ Schedule of activities necessary to implement changes Y/N ➢ Date the modifications are completed or expected to be completed Y/N ➢ Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action Y/N ➢ Signed and certified in accordance with Appendix I.11 Y/N *Parts 5.4.2, 5.4.3*	Y	N	*Recorded Rain events in the area* / *Inspections Completed* *Sept 7 (0.18”)* / *Sept 6* *Sept 10 (0.85”)* / *Sept 10* *Sept 12 (0.60”)* *Sept 13 (0.19”)* / *Sept 13* *Sept 14 (1.22”)* *Sept 15 (0.28”)* / *Sept 14* *Sept 22 (0.58”)* / *Sept 23*

Additional Notes on SWPPP Review *(optional)*

2.1.1.2 Design Requirements

a. You must account for the following factors in designing your stormwater controls:

i. The expected amount, frequency, intensity, and duration of precipitation

ii. The nature of stormwater runoff and run-on at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features. If any stormwater flow will be channelized at your site, you must design stormwater controls to control both peak flowrates and total stormwater volume to minimize erosion at outlets and to minimize downstream channel and streambank erosion; and

iii. The range of soil particle sizes expected to be present on the site.

5.1 "**Corrective Actions" Defined**. Corrective actions are actions you take in compliance with: this Part to

- Repair, modify, or replace any stormwater control used at the site;
- Clean up and properly dispose of spills, releases, or other deposits; or
- Remedy a permit violation.

5.2 Requirements for Taking Corrective Action.

You must complete the following corrective actions in accordance with the deadlines specified in this Part. In all circumstances, you must immediately take all reasonable steps to minimize or prevent the discharge of pollutants until a permanent solution is installed and made operational, including cleaning up any contaminated surfaces so that the material will not discharge in subsequent storm events.

5.4. Corrective Action Report

For each corrective action taken in accordance with this Part, you must complete a corrective action report, which includes the applicable information in Parts 5.4.1 and 5.4.2. Note that these reports must be maintained in your records but do not need to be provided to EPA except upon request.

5.4.1. Within 24 hours of discovering the occurrence of one of the triggering conditions in Part 5.2. at your site, you must complete a report of the following:

5.4.1.1 Which condition was identified at your site;
5.4.1.2 The nature of the condition identified; and
5.4.1.3 The date and time of the condition identified and how it was identified.
5.4.2. Within 7 calendar days of discovering the occurrence of one of the triggering conditions in: Part 5.2.1 at your site, you must complete a report of the following
5.4.2.1 Any follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred
5.4.2.2 A summary of stormwater control modifications taken or to be taken, including a schedule of activities necessary to implement changes, and the date the modifications are completed or expected to be completed; and
5.4.2.3 Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action.
5.4.3. Signature Requirements. Each corrective action report must be signed and certified in accordance with Appendix I, Part I.11 of this permit.

Finding:

1. From the exploratory borings report completed by AMEC Earth & Environmental, Inc... "The soils encountered throughout the project area overlying bedrock are generally weakly cemented and can be excavated with normal earthmoving equipment." "the geotechnical profile consists of a fine grained, no-plastic, slightly moist, light brown silty sand (SM) of varying thickness overlying slightly weathered moderately to very hard, grey vesicular basalt." From other construction sites in the area this soil type is easily mobilized by wind or water. Per 2.1.1.2 above was the soil type and location taken into account when selections of BMPs were made. The site is next to a steep drop off over homes and the Petroglyph National Monument. No details or explanation of locations and types of BMP is given to address the soil type and site location.

2. The site encountered rainfall beyond the normal expected values. The average normal monthly total is around 1.08". September 2013 had an actual month total of 3.97, close to 4 times the expected value. The volume of water with the high slopes combined with the type of soil overwhelmed the selected BMPS. A series of 5 rain events occurred over .25" during the month of September 2013. The SWPPP did not change to address these five events or the selection of BMPs.

3. No Corrective Action Report was completed after the unexpected rainfall. A Corrective Action report is required when corrective actions are taken to repair, modify, or replace any stormwater control used at the site. This report would document the time, day, triggering event, summary of stormwater control modifications, and schedule of activities necessary to implement changes.

4. During the site inspection at a sediment pond on the south site were visual indications the pond may have breached. Soil used for the retention berms at the site is the same as listed above. Water from the site appeared to breach the perimeter control and flowed over the edge of the escarpment. Site operator said the development when finished would retain all stormwater in a series of retention ponds.

Industrial Storm Water Worksheet (Construction) – State of New Mexico

Implementation *(complete in field)* ***(Narrative Description if Control Measures Installed, Operational, Effective and Maintained)***	
Erosion and Sediment Control Practices *Part 2.1*	
Minimize area of disturbance:	*(Provide brief description)* The project is being completed in phases. Strips of undisturbed land left at top of site. In most places area is disturbed up to the edge of drop off.
Buffer compliance:	*(e.g., provide and maintain a 50-foot undisturbed natural buffer)* N/A
Perimeter controls:	*(e.g., filter berms, silt fences, temporary diversion dikes)* Silt fence in place with some ponds.
Exit point or sediment track out:	*(e.g, aggregate stone with an underlying geotextile or non-woven filter fabric, or turf mats, wheel washing, rumble strips, plates, sweeping)* Aggregate stone
Stockpiled sediment or soil:	*(e.g., berms, dikes, fiber rolls, silt fences, sandbag, gravel bags)* Stockpiled sediment seen on site.
Minimize dust:	*(e.g., application of water or other dust suppression techniques)* Dust suppression provided by application of water when necessary.
Steep slopes:	*(e.g., standard erosion and sediment control practices, phasing disturbances, stabilization practices)* At the east and south boundary of site steep slopes drop into the Petroglyph National Monument.
Preserve topsoil:	*(e.g., stockpiling or transfer of topsoil to other locations)* Topsoil is being used on site.
Soil compaction:	*(e.g., restrict vehicle / equipment use, soil conditioning techniques)* Vehicles restricted to working areas of site
Storm drain inlet protection:	*(e.g., fabric filters, sandbags, concrete blocks, gravel barriers)* No storm drains in place at present time.
Conveyance channels:	*(e.g., erosion controls, and velocity dissipation check dams, sediment traps, riprap, or grouted riprap at outlets)* No velocity dissipation devices seen on site. Silt fence at perimeter of site.
Sediment basin:	*(e.g., outlet structures that withdraw from the surface, stabilization, erosion controls, velocity dissipation, kept at least ½ design capacity)* Some sediment basins in place, berm sides constructed of loose sand material found at site.

Erosion and Sediment Control Practices - Continued	
Treatment chemicals:	*(e.g., spill berms, decks, spill containment pallets, storing chemicals in covered area, spill kit available on site)* N/A
Dewatering:	*(e.g., sediment basins or sediment traps, sediment socks, dewatering tanks, tube settlers, weir tanks, or filtration systems (e.g., bag or sand filters) designed to remove sediment)* N/A
Other erosion and sediment controls or practices:	*(Provide brief description)* Increased berming of some areas completed.
Stabilization Practices *Part 2.2*	
Stabilization:	*(e.g., soil conditioning, application of seed or sod, planting of seedlings or other vegetation, application of fertilizer, watering, mulch, rolled erosion control products, control blankets, riprap, gabions, geotextiles)* Site active.
Are stabilization measures initiated immediately? **Y/N Are they completed within 14 days of construction cessation**? **Y/N**	*(e.g. indicate "yes" or "no"; if not within 14 days of construction cessation, how long without stabilization measures?)* Construction cessation has not occurred.
Pollution Prevention Measures *Part 2.3*	
Fueling and maintenance of vehicles:	*(e.g., locating activities away from surface waters and stormwater inlets or conveyances, providing secondary containment (e.g., spill berms, decks, spill containment pallets)and cover where appropriate, and/or having spill kits readily available)* N/A – No fueling or maintenance taking place on-site.
Washing equipment & vehicles:	*(e.g., locating activities away from surface waters, stormwater, inlets, conveyances, sediment basin or sediment trap, using filtration devices, such as filter bags or sand filters, plastic sheeting, temporary roofs)* N/A

Washing applicators/containers (e.g., stucco, paint, concrete, form release oils, curing compounds, and other construction materials)	*(e.g., leak-proof container or pit, locate as far away as possible from surface waters, inlets or conveyances, designate areas)* N/A
Pollution Prevention Measures – Continued	
Storage, handling, disposal of construction materials, products and waste:	*Building products (e.g., asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures):* No storage of chemicals on site.
	Pesticides, herbicides, insecticides, fertilizers, and landscape materials: N/A
	Diesel fuel, oil, hydraulic fluids, other petroleum products, and other chemicals: N/A
	Hazardous or toxic waste (e.g, paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids): N/A
	Construction and domestic waste (e.g., packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials): The construction site is free of trash or debris
	Sanitary waste: Port-a-potties on site.
Fertilizer application:	*(e.g., avoids applying before heavy rains, never applies to frozen ground, never applies to conveyance channels with flowing water)* N/A
Miscellaneous	
Evidence of not allowable non-storm water discharges or prohibited discharge?	*(Provide brief description and determine whether any non-storm water discharges allowable)* None seen
Evidence of sediment deposition to surface waters or MS4?	*(e.g. significant turbidity observed in a receiving water body)* Yes, see attached photos.

NMED/SWQB
Official Photograph Log

Photo # 1

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1321 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing southeast.		
Subject: East side of development next to escarpment down to Petroglyph National Monument and private homes.		

NMED/SWQB
Official Photograph Log

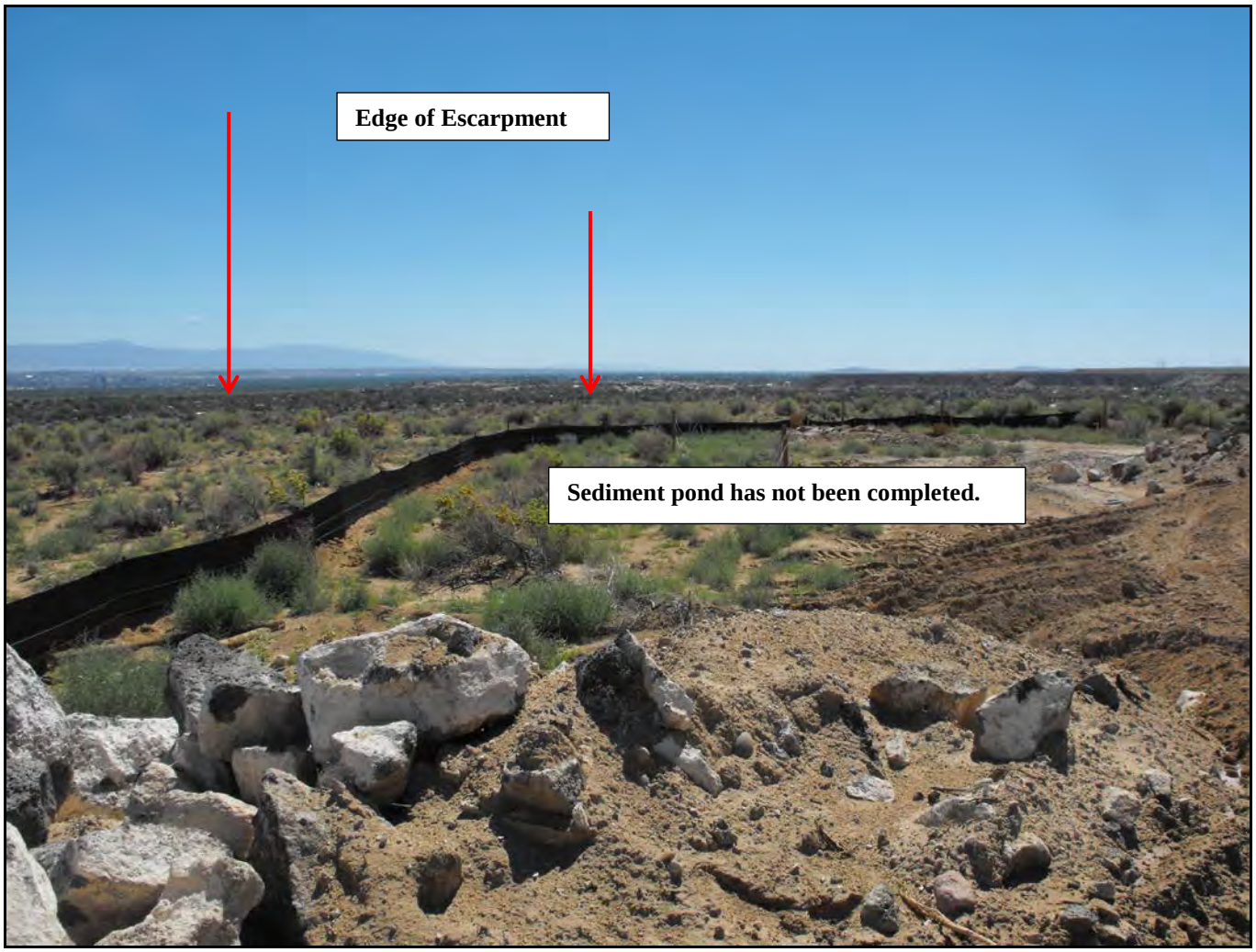
Photo # 2

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1325 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing east.		
Subject: East side of development next to escarpment down to Petroglyph National Monument and private homes. Stormwater runoff downcut into the escarpment flooding the yards and out to the MS4 system.		

NMED/SWQB
Official Photograph Log

Photo # 3

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1328 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing southeast.		
Subject: East side of development next to escarpment down to Petroglyph National Monument and private homes.		



NMED/SWQB
Official Photograph Log

Photo # 4

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1349 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing northeast.		
Subject: Construction site, undisturbed strips of soil was left to help control stormwater.		

NMED/SWQB
Official Photograph Log

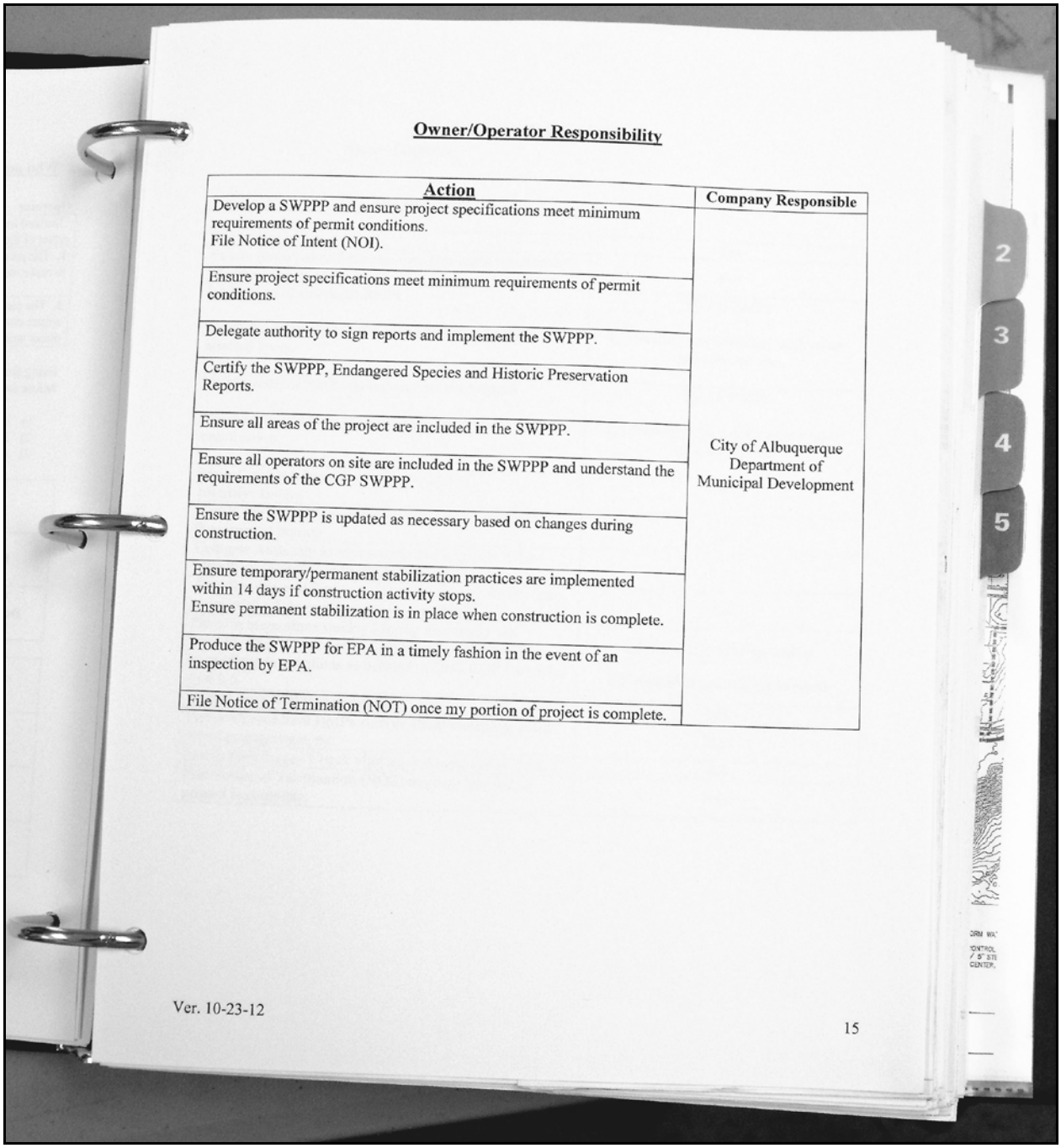
Photo # 5

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1403 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing southwest.		
Subject: Southside of site where a breach of a sediment pond may have occurred.		

NMED/SWQB
Official Photograph Log

Photo # 6

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1156 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214)		
Subject: City of Albuquerque is responsible for updating the SWPP based on changes.		



Owner/Operator Responsibility

Action	Company Responsible
Develop a SWPPP and ensure project specifications meet minimum requirements of permit conditions. File Notice of Intent (NOI).	City of Albuquerque Department of Municipal Development
Ensure project specifications meet minimum requirements of permit conditions.	
Delegate authority to sign reports and implement the SWPPP.	
Certify the SWPPP, Endangered Species and Historic Preservation Reports.	
Ensure all areas of the project are included in the SWPPP.	
Ensure all operators on site are included in the SWPPP and understand the requirements of the CGP SWPPP.	
Ensure the SWPPP is updated as necessary based on changes during construction.	
Ensure temporary/permanent stabilization practices are implemented within 14 days if construction activity stops. Ensure permanent stabilization is in place when construction is complete.	
Produce the SWPPP for EPA in a timely fashion in the event of an inspection by EPA.	
File Notice of Termination (NOT) once my portion of project is complete.	

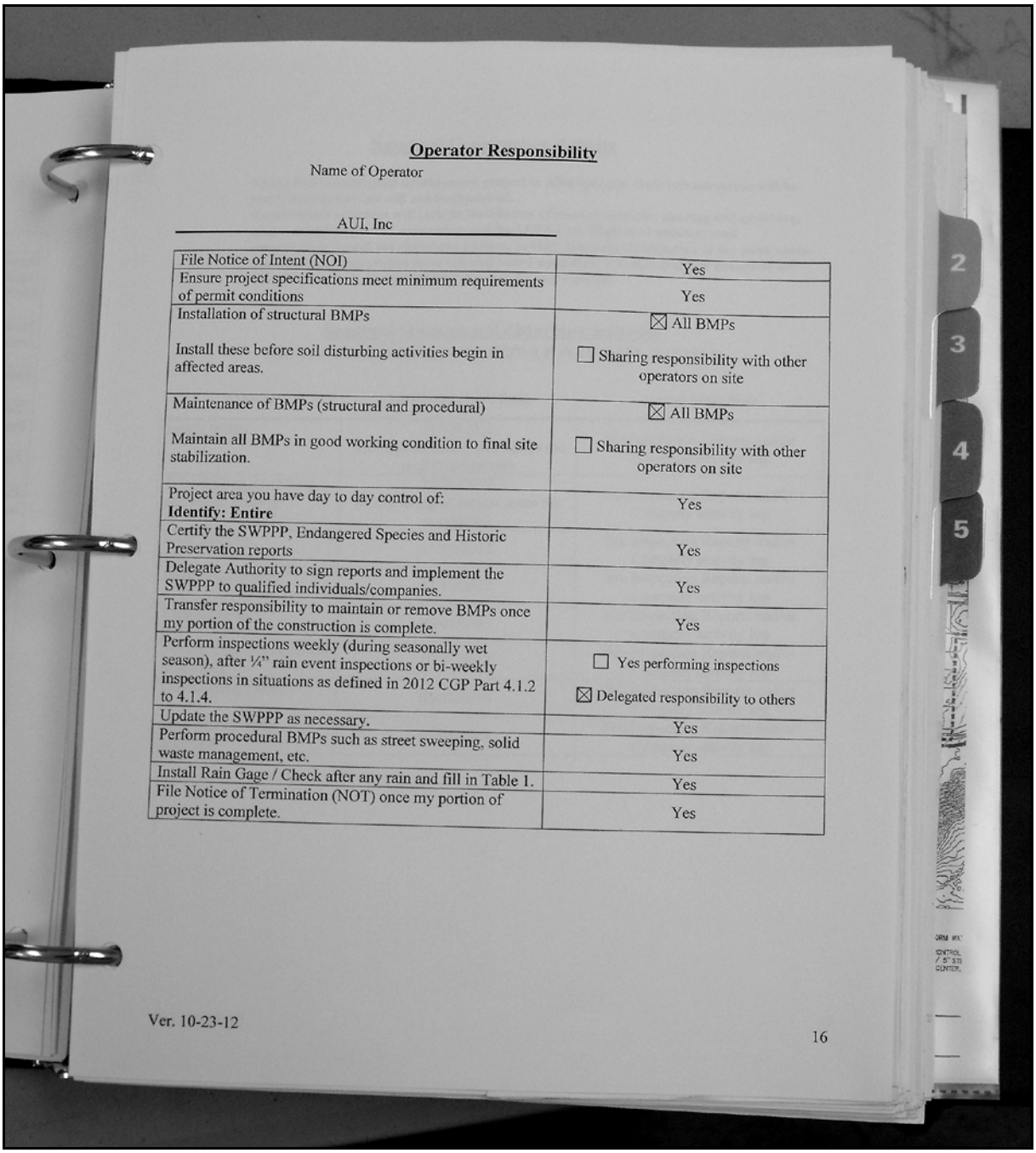
Ver. 10-23-12

15

NMED/SWQB
Official Photograph Log

Photo # 7

Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1157 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214)		
Subject: AUI is responsible for installing and maintance of site BMPs.		



Operator Responsibility

Name of Operator

AUI, Inc

File Notice of Intent (NOI)	Yes
Ensure project specifications meet minimum requirements of permit conditions	Yes
Installation of structural BMPs Install these before soil disturbing activities begin in affected areas.	☒ All BMPs ☐ Sharing responsibility with other operators on site
Maintenance of BMPs (structural and procedural) Maintain all BMPs in good working condition to final site stabilization.	☒ All BMPs ☐ Sharing responsibility with other operators on site
Project area you have day to day control of: **Identify: Entire**	Yes
Certify the SWPPP, Endangered Species and Historic Preservation reports	Yes
Delegate Authority to sign reports and implement the SWPPP to qualified individuals/companies.	Yes
Transfer responsibility to maintain or remove BMPs once my portion of the construction is complete.	Yes
Perform inspections weekly (during seasonally wet season), after ¼" rain event inspections or bi-weekly inspections in situations as defined in 2012 CGP Part 4.1.2 to 4.1.4.	☐ Yes performing inspections ☒ Delegated responsibility to others
Update the SWPPP as necessary.	Yes
Perform procedural BMPs such as street sweeping, solid waste management, etc.	Yes
Install Rain Gage / Check after any rain and fill in Table 1.	Yes
File Notice of Termination (NOT) once my portion of project is complete.	Yes

Ver. 10-23-12

16

« Previous Month | « 2012 | September 2013 | 2014 » | Next Month »

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Actual: 94 | 70 Precip: 0.02 Average: 85 | 63 Precip: 0.04	2 Actual: 88 | 70 Precip: 0.01 Average: 85 | 63 Precip: 0.03	3 Actual: 91 | 68 Precip: 0.00 Average: 85 | 62 Precip: 0.04	4 Actual: 91 | 69 Precip: 0.00 Average: 85 | 62 Precip: 0.04	5 Actual: 90 | 67 Precip: 0.00 Average: 84 | 62 Precip: 0.04	6 Actual: 89 | 64 Precip: 0.00 Average: 84 | 61 Precip: 0.03	7 Actual: 89 | 66 Precip: 0.18 Average: 84 | 61 Precip: 0.04
8 Actual: 88 | 64 Precip: 0.00 Average: 84 | 61 Precip: 0.04	9 Actual: 86 | 65 Precip: T Average: 83 | 60 Precip: 0.04	10 Actual: 73 | 62 Precip: 0.85 Average: 83 | 60 Precip: 0.03	11 Actual: 80 | 63 Precip: T Average: 83 | 60 Precip: 0.04	12 Actual: 72 | 62 Precip: 0.60 Average: 82 | 59 Precip: 0.03	13 Actual: 73 | 62 Precip: 0.19 Average: 82 | 59 Precip: 0.03	14 Actual: 73 | 58 Precip: 1.22 Average: 82 | 59 Precip: 0.04
15 Actual: 79 | 58 Precip 0.28 Average: 81 | 58 Precip: 0.03	16 Actual: 77 | 59 Precip: 0.00 Average: 81 | 58 Precip: 0.03	17 Actual: 80 | 60 Precip: 0.00 Average: 80 | 58 Precip: 0.04	18 Actual: 82 | 64 Precip: T Average: 80 | 57 Precip: 0.03	19 Actual: 84 | 62 Precip: 0.04 Average: 80 | 57 Precip: 0.04	20 Actual: 80 | 61 Precip: 0.00 Average: 79 | 56 Precip: 0.03	21 Actual: 79 | 59 Precip: 0.00 Average: 79 | 56 Precip: 0.04
22 Actual: 81 | 58 Precip: 0.58 Average: 79 | 56 Precip: 0.03	23 Actual: 73 | 48 Precip: 0.00 Average: 78 | 55 Precip: 0.04	24 Actual: 75 | 51 Precip: 0.00 Average: 78 | 55 Precip: 0.04	25 Actual: 84 | 53 Precip: 0.00 Average: 77 | 54 Precip: 0.03	26 Actual: 82 | 55 Precip: 0.00 Average: 77 | 54 Precip: 0.04	27 Actual: 73 | 50 Precip: 0.00 Average: 76 | 54 Precip: 0.04	28 Actual: 69 | 42 Precip: 0.00 Average: 76 | 53 Precip: 0.04
29 Actual: 76 | 44 Precip: 0.00 Average: 76 | 53 Precip: 0.03	30 Actual: 82 | 46 Precip: 0.00 Average: 75 | 52 Precip: 0.04					

Month Precipitation - Actual month total: 3.97 Normal month total: 1.08

Calendar Key

Sunny Clear | Mostly Cloudy Partly Sunny | Mostly Sunny Partly Cloudy | Cloudy | Rain | Snow

Hail Flurries | Thunderstorms | Hazy Fog | Sleet | '?' denotes 'chance of' | Unknown

Actual: 90 | 58
Precip: 0.00
Average: 71 | 53
Precip: 0.03

Data Category
Condition
High Temp.
Lo Temp.
Precip. (in inches)
Daily Avg. Temp.
Temps in °F

-60 -30 0 30 60 90 120

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