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Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Surface Water Quality Bureau

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BUTCH TONGATE
Deputy Secretary

ERIKA SCHWENDER
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

October 8, 2013

Mr. Kari Biernaki, Vice President
AUI, Inc.
7420 Reading Ave. SE
Albuquerque, New Mexico 87119

Re: AUI Inc.; Major; Construction Stormwater; SIC 1623; NPDES Compliance Evaluation Inspection; NPDES Permit NMR12AE47; September 23, 2013

Dear Mr. Biernaki:

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.

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Mr. Kari Biernaki
October 8, 2013

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 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 2 Manager, by email



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	4	7	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, Lot 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	Permit Expiration Date
		1532 hours/9-23-2013	2-14-2017
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)			Other Facility Data
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			N. 35.1688 W -106.7214 SIC 1623
Name, Address of Responsible Official/Title/Phone and Fax Number		Contacted	
Mr. Kari Biernaki, 7420 Reading Ave. SE, Albuquerque, New Mexico 87119/ Vice President AUI Inc./ 505-242-4848		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

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)

- Inspectors 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. Mr. Valenta 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.
- 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	Agency/Office/Phone and Fax Numbers	Date
SARAH HOLCOMB	NMED/SWQB 505-827-2798	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 <input checked="" type="checkbox"/> State EPA Oversight SIC: 1611 / Construction	Exit Time	1532 AM
Facility Type (circle one)	<input checked="" type="checkbox"/> Commercial / Residential / <input type="checkbox"/> 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	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Commercial / Industrial	<input type="checkbox"/> Roadway	<input type="checkbox"/> Private	<input type="checkbox"/> Federal	<input type="checkbox"/> State / Municipal
Construction Stage	Clearing / Grubbing	<input checked="" type="checkbox"/> Rough Grading	Infrastructure	Building (Vertical)	Final Grading	Final Stabilization

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

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

Additional Facility and Inspection Information (optional)			
<p><i>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).</i></p>			
SWPPP Review (can be completed in office)			
General		Notes:	
SWPPP Signed/Certified. Did all operators sign/certify the SWPPP? <i>Part 7.2.15, Appendix I.11</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
SWPPP completed prior to NOI? <i>Part 7.1.1, Part 1.2.1</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	SWPPP signed 11/2/2013; NOI submitted 11/2/2013
Endangered Species Act. Does SWPPP include documentation supporting determination? <i>Part 7.2.14.1; Part 1.1.e, Appendix D</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<i>NOI checked criterion C – Not likely to adversely affect endangered species in the action area - SWPPP provides Listing of Endangered Species.</i>
Historic Properties. Does SWPPP include documentation supporting determination? <i>Part 7.2.14.2, Appendix E</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
If applicable, documents contact with agency or office responsible for implementing Safe Drinking Water Act <u>underground injection control well(s)</u>? <i>Part 7.2.14.3, 40 CFR Parts 144 -147</i>	<input type="checkbox"/> Y	<input type="checkbox"/> 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 <i>Part 7.2.16.3</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<ul style="list-style-type: none"> 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? <i>Part 3</i>	<input type="checkbox"/> Y	<input type="checkbox"/> N	N/A
If discharge to an impaired water, includes records of all data used to complete NOI: > List of all impaired waters <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N > Pollutant(s) for which the surface water is impaired <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N > Whether a TMDL has been approved or established <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N <i>Part 3.2.1, Appendix I.15</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<i>Discharge is to City of Albuquerque MS4 thence to the Rio Grande in NMAC segment 20.6.4.105.</i>
Required SWPPP modifications completed? > Completed w/7 days Y/ <input checked="" type="checkbox"/> N > Maintains modification records showing dates, name of person authorizing change and summary Y/ <input checked="" type="checkbox"/> N > Signed/Certified Y/ <input checked="" type="checkbox"/> N > Immediately notified other operators Y/ <input checked="" type="checkbox"/> N <i>Parts 7.4, 5.2.2, Appendix I.11.b</i>	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<i>After rain events around 9/15/2013 no modifications are noted in the SWPPP.</i>
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? <i>Parts 4.1.7, 5.4.4, Appendix I.10.2, I.15</i>	<input type="checkbox"/> Y	<input type="checkbox"/> N	<i>N/A – Permit coverage has not yet expired. Active permit.</i>

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

Team & Activity Description			Notes:
Identifies stormwater team personnel and responsibilities? ➤ Personnel (by name or position) <input checked="" type="checkbox"/> /N ➤ Individual responsibilities <input checked="" type="checkbox"/> /N <i>Part 7.2.1</i>	<input checked="" type="checkbox"/>	N	<i>City of Albuquerque – Owner; Responsible for updating SWPPP based on needed changes.</i> <i>AUI, Inc. – Responsible for installing and maintenance of all BMP's.</i>
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: <ul style="list-style-type: none"> ○ Personnel responsible for the design, installation, maintenance, and/or repair of controls/measures <input checked="" type="checkbox"/>/N ○ Personnel responsible for the application and storage of treatment chemicals <input checked="" type="checkbox"/>/N ○ Personnel responsible for conducting inspections <input checked="" type="checkbox"/>/N ○ Personnel responsible for taking corrective actions <input checked="" type="checkbox"/>/N ➤ At a minimum, training includes: <ul style="list-style-type: none"> ○ Location of all stormwater controls on the site required by this permit, and how maintained <input checked="" type="checkbox"/>/N ○ Proper procedures to follow with respect to the permit's pollution prevention requirements <input checked="" type="checkbox"/>/N ○ When and how to conduct inspections, record applicable findings, and take corrective actions <input checked="" type="checkbox"/>/N <i>Parts 7.2.13, 6 and permit notes for emergency-related construction activities</i>	<input checked="" type="checkbox"/>	N	<i>List of training requirements documented on page 5 of SWPPP signed copies in SWPPP.</i>
Describes nature of construction activities? ➤ Size of the property <input checked="" type="checkbox"/> /N ➤ Total area to be disturbed <input checked="" type="checkbox"/> /N ➤ Construction support activity areas <input checked="" type="checkbox"/> /N ➤ Maximum area to be disturbed at any one time <input checked="" type="checkbox"/> /N <i>Part 7.2.2</i>	<input checked="" type="checkbox"/>	N	<i>77 acres – Total project area</i>
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 <i>Parts 7.2.3, 1.2</i>	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	<input checked="" type="checkbox"/>	N	<i>SWPPP identifies operators on site.</i>

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

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

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

non-stormwater flow onto, over, and from site <u>before and after</u> major grading Y/ <input checked="" type="checkbox"/> N <i>Part 7.2.6.5</i>			
➤ Stormwater and allowable non-stormwater discharge locations <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Locations of storm drain inlets on site and immediate vicinity <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Locations stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands) on or near site <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N <i>Part 7.2.6.6</i>	Y	<input checked="" type="checkbox"/> N	
➤ Locations of potential pollutant-generating activities <i>Part 7.2.6.7, Part 7.2.7</i>	<input checked="" type="checkbox"/> Y	N	
➤ Locations of control measures <i>Part 7.2.6.8</i>	<input checked="" type="checkbox"/> Y	N	
➤ Locations polymers, flocculants, or treatment chemicals will be used/stored <i>Part 7.2.6.9</i>	Y	N	<i>N/A – No polymers, flocculants, or treatment chemicals are being used/stored at this construction site.</i>
Construction Site Pollutants		Notes:	
Includes pollutant-generating activities list and description? <i>Part 7.2.7.1</i>	<input checked="" type="checkbox"/> Y	N	
Includes inventory of pollutants or constituents? ➤ Inventory <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Potential spills/leaks <input checked="" type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Departures from manufacturer’s specifications for applying fertilizers containing nitrogen & phosphorus Y/N/ <input checked="" type="checkbox"/> N/A <i>Parts 7.2.7.2, 2.3.5.1</i>	<input checked="" type="checkbox"/> Y	N	
Identifies all sources of allowable non-stormwater discharges? <i>Parts 7.2.8, 1.3.d</i>	<input checked="" type="checkbox"/> Y	N	
If required (surface water w/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 <i>Parts 7.2.9, 2.1.2, Appendix G</i>	Y	N	N/A

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

<p>As applicable, describes and documents <u>buffer exceptions</u>?</p> <ul style="list-style-type: none"> ➤ 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 <p><i>Parts 7.2.9; 2.1.2.1e, Appendix G</i></p>	Y	N	N/A
All Stormwater Control Measures			Notes:
<p>Describes each measure?</p> <ul style="list-style-type: none"> ➤ Type of measure to be installed and maintained, including design information <input checked="" type="checkbox"/>Y/N ➤ Specific sediment controls installed and made operational prior to conducting earth-disturbing activities Y/<input checked="" type="checkbox"/>N ➤ For exit points, stabilization techniques and any additional controls planned to remove sediment prior to vehicle exit <input checked="" type="checkbox"/>Y/N ➤ For linear projects (if applicable), where/why it has been determined that the use of perimeter controls is practicable Y/N/<input checked="" type="checkbox"/>NA <p><i>Part 7.2.10.1</i></p>	<input checked="" type="checkbox"/> Y	N	<p><i>Ponds shown on maps were not completed before site disturbed.</i></p>
Erosion and Sediment Controls			Notes:
<p>Minimizes <u>area of disturbance</u>?</p> <p><i>Part 2.1.1.1</i></p>	<input checked="" type="checkbox"/> Y	N	
<p>Describes erosion and sediment control <u>design requirements</u>?</p> <ul style="list-style-type: none"> ➤ Accounts for expected amount, frequency, intensity, duration of precipitation Y/<input checked="" type="checkbox"/>N ➤ Accounts for nature of run-on and run-off (channelized peak flow rates & total volume at outlet) Y/<input checked="" type="checkbox"/>N ➤ Accounts for range of soil particle sizes (distribution, erosivity and cohesiveness) Y/<input checked="" type="checkbox"/>N ➤ Directs discharge to vegetated areas to increase sediment removal and infiltration unless infeasible <input checked="" type="checkbox"/>Y/N/NA ➤ Uses velocity dissipation, if necessary Y/<input checked="" type="checkbox"/>N ➤ Complies with State of New Mexico except Indian country requirements: <ul style="list-style-type: none"> ○ 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/<input checked="" type="checkbox"/>N ○ 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/<input checked="" type="checkbox"/>N 	Y	<input checked="" type="checkbox"/> N	<p>The SWPPP does not address design requirements.</p> <p>These requirements state:</p> <p><i>You must account for:</i></p> <p><i>The expected amount, frequency, intensity and duration of precipitation;</i></p> <p><i>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</i></p> <p><i>The range of soil particle sizes expected to be present at the site.</i></p>

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

<i>Parts 2.1.1.2, 9.4.1.1</i>		
Describes erosion and sediment control <u>installation</u> requirements? <ul style="list-style-type: none"> ➤ Completes installation of downgradient stormwater/sediment controls by the time or immediately following earth-disturbance begins unless infeasible Y/<input checked="" type="checkbox"/>/NA ➤ Installs all other controls and makes operational as soon as conditions allow Y/<input checked="" type="checkbox"/> ➤ Uses good engineering practices and follows manufacturer's specifications or explain departures <input checked="" type="checkbox"/>/N 	Y	<input checked="" type="checkbox"/>
<i>Part 2.1.1.3</i>		
Describes erosion and sediment control <u>maintenance</u> requirements? <ul style="list-style-type: none"> ➤ Initiates fix immediately and completed by close of next work day (routine maintenance) <input checked="" type="checkbox"/>/N ➤ Installs new measure/significant repair no later than 7 calendar days or document why infeasible Y/<input checked="" type="checkbox"/> 	Y	<input checked="" type="checkbox"/>
<i>Part 2.1.1.4</i>		
Installs <u>perimeter controls</u> and describes maintenance (removes sediment before it has accumulated to 1/2 of the above-ground height)?	<input checked="" type="checkbox"/>	N
<i>Part 2.1.2.2</i>		
Minimizes <u>sediment track-out</u>? <ul style="list-style-type: none"> ➤ Restricts vehicle use to properly designated exit points? Y/<input checked="" type="checkbox"/> ➤ Uses appropriate stabilization techniques at all points that exit onto paved roads? <input checked="" type="checkbox"/>/N ➤ Where necessary, uses additional measures to remove sediment prior to exit? Y/N/<input checked="" type="checkbox"/>/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? <input checked="" type="checkbox"/>/N 	Y	<input checked="" type="checkbox"/>
<i>Part 2.1.2.3</i>		
Controls discharges from <u>stockpiled sediment or soil</u>? <ul style="list-style-type: none"> ➤ Locates piles outside of buffers Y/<input checked="" type="checkbox"/> ➤ Locates piles separate from stormwater controls Y/<input checked="" type="checkbox"/> ➤ Uses temporary sediment barrier <input checked="" type="checkbox"/>/N ➤ Where practicable, provides cover or temporary stabilization Y/<input checked="" type="checkbox"/> ➤ Does not hose down or sweep into stormwater conveyance unless connected to basin, trap, etc. <input checked="" type="checkbox"/>/N ➤ Contains and securely protects pile from wind? Y/<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/>	N
<i>Part 2.1.2.4</i>		
Minimizes <u>dust</u>?	<input checked="" type="checkbox"/>	N
<i>Part 2.1.2.5</i>		
Minimizes disturbance of <u>steep slopes</u>?	Y	<input checked="" type="checkbox"/>
<i>Part 2.1.2.6</i>		

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

Preserves <u>topsoil</u>, unless infeasible? <i>Part 2.1.2.7</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
Minimizes <u>soil compaction</u> where final vegetative stabilization or infiltration installed? <i>Part 2.1.2.8</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
Protects <u>storm drain inlets</u> and describes maintenance requirements (removes sediment by the end of the same work day or end of the following work day)? <i>Part 2.1.2.9</i>	Y	<input checked="" type="checkbox"/> N	<i>Storm drains will discharge to holding ponds. No roads or drains constructed at present time.</i>
Describes <u>constructed conveyance channel controls</u> (if installed)? <i>Part 2.1.3.1</i>	Y	<input type="checkbox"/> N	N/A
Describes <u>sediment basin design</u> (if installed) and maintenance (maintain at least ½ of capacity at all times)? <i>Part 2.1.3.2</i>	Y	<input type="checkbox"/> N	<i>Some basins not completed, those in place not described in any detail in SWPPP.</i>
Describes <u>treatment chemical controls</u> (if used)? <i>Part 2.1.3.3</i>	Y	<input type="checkbox"/> N	N/A
Includes documentation for use of <u>treatment chemicals</u> (polymers, flocculants, or other treatment chemicals)? <ul style="list-style-type: none"> ➤ 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 <i>Parts 7.2.10.2, 2.1.3.3h</i>	Y	<input type="checkbox"/> N	N/A
Describes <u>dewatering controls</u> (if installed)? <i>Part 2.1.3.4</i>	Y	<input type="checkbox"/> N	N/A

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

Stabilization Requirements	Notes:		
<p>Describes compliance with deadlines for vegetative and/or non-vegetative stabilization practices, including exceptions?</p> <p><u>Deadline to Initiate</u></p> <ul style="list-style-type: none"> ➤ Initiates stabilization immediately (no later than end of next work day following earth-disturbing activities permanently/temporarily ceased) Y/N/N/A <p><u>Deadline to Complete</u></p> <ul style="list-style-type: none"> ➤ 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) w/7 calendar days after temporary or permanent cessation Y/N/NA <p><i>Parts 7.2.10.3, 2.2.1, 3, 9.4.1.3</i></p>	Y	N	<p><i>N/A – Site is currently active. No cessation has occurred.</i></p>
<p>Describes compliance with vegetative (final) stabilization criteria?</p> <ul style="list-style-type: none"> ➤ 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 <input checked="" type="checkbox"/>/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 <input checked="" type="checkbox"/>/N <p><i>Parts 7.2.10.3, 2.2.2.a, 3, 9.4.1.4</i></p>	<input checked="" type="checkbox"/>	N	

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

<p>If applicable, describes compliance with State of New Mexico, except Indian country, arid, semi-arid areas, or drought stricken option for final stabilization:</p> <ul style="list-style-type: none"> ➤ Area seeded/planted must w/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 <p><i>Parts 7.2.10.3, 2.2.2.b, 3, 9.4.1.5</i></p>	Y	N	<p><i>N/A – Active site.</i></p> <p><i>Please note the requirements of 9.4.1.5 when project is completed.</i></p>
<p>If using, provides effective non-vegetative cover to stabilize?</p> <p><i>Parts 7.2.10.3, 2.2.2.2</i></p>	<input checked="" type="checkbox"/>	N	<p><i>Roads and houses will occupy large percent of site.</i></p>
Pollution Prevention Procedures		Notes:	
<p>Describes procedures for <u>spill prevention and response</u>?</p> <p><i>Parts 7.2.11.1, 2.3.4</i></p>	<input checked="" type="checkbox"/>	N	
<p>Describes procedures for <u>waste management</u>?</p> <p><i>Part 7.2.11.2, 2.3.3.3</i></p>	<input checked="" type="checkbox"/>	N	
<p>Eliminates prohibited discharges?</p> <ul style="list-style-type: none"> ➤ Concrete washout, unless managed by control in Part 2.3.3.4 <input checked="" type="checkbox"/>/N ➤ Washout/cleanout of stucco, paint, form release oils, curing compounds and other materials unless managed by control in Part 2.3.3.4 <input checked="" type="checkbox"/>/N ➤ Fuels, oils or other from vehicle and equipment O&M Y/N/<input checked="" type="checkbox"/> ➤ Soaps, solvents, or detergents used in vehicle and equipment washing Y/N/<input checked="" type="checkbox"/> ➤ Toxic or hazardous substances from spill/release Y/N/<input checked="" type="checkbox"/> <p><i>Part 2.3.1</i></p>	<input checked="" type="checkbox"/>	N	
<p>Properly maintains and protects all pollution prevention controls?</p> <p><i>Part 2.3.2</i></p>	<input checked="" type="checkbox"/>	N	
<p>Complies with pollution prevention standards for certain activities?</p> <ul style="list-style-type: none"> ➤ Fueling/maintenance of equipment or vehicles Y/N/<input checked="" type="checkbox"/> ➤ Washing of equipment and vehicles Y/N/NA ➤ Storage, handling, disposal of materials, products and waste Y/N/<input checked="" type="checkbox"/> ➤ Washing applicators/containers <input checked="" type="checkbox"/>/N/NA <p><i>Part 2.3.3</i></p>	Y	N	<p>N/A</p>
<p>Minimizes discharge/complies with restrictions of <u>fertilizer application</u>?</p> <p><i>Part 2.3.5</i></p>	Y	N	<p>N/A</p>

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

Inspections and Corrective Action			
<p>SWPPP describes procedures for <u>inspection, maintenance, and corrective action</u>?</p> <ul style="list-style-type: none"> ➤ Personnel conducting inspections <input checked="" type="checkbox"/>/N ➤ Inspection schedule <input checked="" type="checkbox"/>/N ➤ Reduction of inspection frequency Y/N/<input type="checkbox"/>NA <p>As applicable:</p> <ul style="list-style-type: none"> ○ location of the rain gauge or the address of weather station to obtain rainfall data <input checked="" type="checkbox"/>/N/NA ○ beginning and ending dates of the seasonally-defined arid period for your area or the valid period of drought Y/N/<input type="checkbox"/>NA ○ beginning and ending dates of frozen conditions Y/N/<input type="checkbox"/>NA <p>➤ Inspection or maintenance checklists or other forms that will be used <input checked="" type="checkbox"/>/N</p> <p><i>Parts 7.2.12</i></p>	Y	<input type="checkbox"/> N	<p><i>Rainfall gauge on site, data was recorded for the month of July and then stopped.</i></p>
Inspections	Notes:		
<p>Inspections performed by “qualified” person?</p> <p><i>Part 4.1.1</i></p>	<input checked="" type="checkbox"/> Y	N	
<p>Conducts inspections at a minimum of required frequency unless reductions documented?</p> <ul style="list-style-type: none"> ➤ Every 7 days <u>or</u> 14 days & w/in 24 hrs of a 0.25” rain event Y/<input type="checkbox"/>N <p><i>Part 4.1.2</i></p>	<input checked="" type="checkbox"/> Y	N	
<p>If applicable, conducts increased inspection frequency for sites with discharges to sediment or nutrient-impaired waters or Tier 2,2.5 or 3 waters:</p> <ul style="list-style-type: none"> ➤ Once every 7 days Y/N; <u>and</u> ➤ Within 24 hrs of a ≥ 0.25” rain event Y/N? <p><i>Parts 4.1.3, 3.3.2.1, 3.3.2</i></p>	Y	N	N/A
<p>If allowable (begin/end dates recorded), documents reduced inspection frequency?</p> <ul style="list-style-type: none"> ➤ 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 <p><i>Part 4.1.4.1 thru 3</i></p>	Y	N	N/A
<p>Inspection areas includes:</p> <ul style="list-style-type: none"> ➤ All cleared, graded, excavated, and not completed stabilization <input checked="" type="checkbox"/>/N ➤ All controls/measures <input checked="" type="checkbox"/>/N ➤ Material/waste/borrow/equipment storage and maintenance areas <input checked="" type="checkbox"/>/N Does not address stockpiled sediment ➤ All areas stormwater typically flows <input checked="" type="checkbox"/>/N ➤ All points of discharge <input checked="" type="checkbox"/>/N - Does not address storm drain inlet 	<input checked="" type="checkbox"/> Y	N	

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

<ul style="list-style-type: none"> ➤ All locations stabilization implemented Y/N/<input checked="" type="checkbox"/>NA <p><i>Part 4.1.5</i></p>			
<p>Inspection includes minimum requirements?</p> <ul style="list-style-type: none"> ➤ Controls installed/operational <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Determines need to replace, repair, or maintain <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Conditions that could lead to spills, leaks, and accumulations of pollutants <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Identifies where new or modified controls are necessary Y/<input checked="" type="checkbox"/>N ➤ At points of discharge, checks for visible erosion/sedimentation on banks <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N/<input type="checkbox"/>NA ➤ Identifies noncompliance <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ If discharge is occurring: <ul style="list-style-type: none"> ○ Identifies all points of discharge <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ○ Observes/documents visual quality, including color, odor, floating, settled, or suspended solids, foam, oil sheen, and other of pollutants <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ○ Documents whether controls operating effectively, and describes controls not operating as intended or need maintenance Y/<input checked="" type="checkbox"/>N ➤ Based on results of inspection, initiates corrective action under Part 5. <p><i>Part 4.1.6</i></p>	Y	<input checked="" type="checkbox"/> N	<p><i>Contractor stated he was doing his inspection on the day of the site visit.</i></p> <p><i>After discharges occurred SWPPP and controls not updated to address discharges.</i></p>
<p>Inspection reports:</p> <ul style="list-style-type: none"> ➤ Completed within 24 hrs Y/<input checked="" type="checkbox"/>N ➤ Includes inspection date <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Includes names/titles of personnel <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Includes summary of findings <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N ➤ Includes applicable rain gauge reading <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N/<input type="checkbox"/>NA ➤ Signed and certified in accordance with Appendix I.11 <input checked="" type="checkbox"/>Y/<input type="checkbox"/>N <p><i>Part 4.1.7.1 and 2</i></p>	Y	<input checked="" type="checkbox"/> N	

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

Corrective Action			Notes:																
<p>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? <i>Part 5</i></p>	Y	<input type="checkbox"/> N	<p><i>Repairs made to silt fences, permanent solution to discharges were not apparent.</i></p>																
<p>Within 24 hours of discovering the occurrence, completes a report of the following:</p> <ul style="list-style-type: none"> ➤ Condition identified <input checked="" type="checkbox"/> Y/<input type="checkbox"/> N ➤ Nature of the condition identified <input checked="" type="checkbox"/> Y/<input type="checkbox"/> N ➤ Date and time of the condition identified and how it was identified <input checked="" type="checkbox"/> Y/<input type="checkbox"/> N <p><i>Part 5.4</i></p>	<input checked="" type="checkbox"/> Y	N																	
<p>Within 7 calendar days of discovering the occurrence, completes a report of the following:</p> <ul style="list-style-type: none"> ➤ Follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred Y/<input type="checkbox"/> N ➤ Summary of stormwater control modifications taken or to be taken Y/<input type="checkbox"/> N ➤ Schedule of activities necessary to implement changes Y/<input type="checkbox"/> N ➤ Date the modifications are completed or expected to be completed Y/<input type="checkbox"/> N ➤ Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action Y/<input type="checkbox"/> N ➤ Signed and certified in accordance with Appendix I.11 <input checked="" type="checkbox"/> Y/<input type="checkbox"/> N <p><i>Parts 5.4.2, 5.4.3</i></p>	Y	<input type="checkbox"/> N	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; border: none;"><i>Recorded Rain events in the area</i></th> <th style="text-align: left; border: none;"><i>Inspections Completed</i></th> </tr> </thead> <tbody> <tr> <td style="border: none;"><i>Sept 7 (0.18")</i></td> <td style="border: none;"><i>Sept 6</i></td> </tr> <tr> <td style="border: none;"><i>Sept 10 (0.85")</i></td> <td style="border: none;"><i>Sept 10</i></td> </tr> <tr> <td style="border: none;"><i>Sept 12 (0.60")</i></td> <td></td> </tr> <tr> <td style="border: none;"><i>Sept 13 (0.19")</i></td> <td style="border: none;"><i>Sept 13</i></td> </tr> <tr> <td style="border: none;"><i>Sept 14 (1.22")</i></td> <td></td> </tr> <tr> <td style="border: none;"><i>Sept 15 (0.28")</i></td> <td style="border: none;"><i>Sept 14</i></td> </tr> <tr> <td style="border: none;"><i>Sept 22 (0.58")</i></td> <td style="border: none;"><i>Sept 23</i></td> </tr> </tbody> </table>	<i>Recorded Rain events in the area</i>	<i>Inspections Completed</i>	<i>Sept 7 (0.18")</i>	<i>Sept 6</i>	<i>Sept 10 (0.85")</i>	<i>Sept 10</i>	<i>Sept 12 (0.60")</i>		<i>Sept 13 (0.19")</i>	<i>Sept 13</i>	<i>Sept 14 (1.22")</i>		<i>Sept 15 (0.28")</i>	<i>Sept 14</i>	<i>Sept 22 (0.58")</i>	<i>Sept 23</i>
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<i>Sept 22 (0.58")</i>	<i>Sept 23</i>																		

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

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.

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

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, non-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) <i>(Narrative Description if Control Measures Installed, Operational, Effective and Maintained)</i>	
Erosion and Sediment Control Practices Part 2.1	
Minimize area of disturbance:	<i>(Provide brief description)</i> 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:	<i>(e.g., provide and maintain a 50-foot undisturbed natural buffer)</i> N/A
Perimeter controls:	<i>(e.g., filter berms, silt fences, temporary diversion dikes)</i> Silt fence in place with some ponds.
Exit point or sediment track out:	<i>(e.g, aggregate stone with an underlying geotextile or non-woven filter fabric, or turf mats, wheel washing, rumble strips, plates, sweeping)</i> Aggregate stone
Stockpiled sediment or soil:	<i>(e.g., berms, dikes, fiber rolls, silt fences, sandbag, gravel bags)</i> Stockpiled sediment seen on site.
Minimize dust:	<i>(e.g., application of water or other dust suppression techniques)</i> Dust suppression provided by application of water when necessary.
Steep slopes:	<i>(e.g., standard erosion and sediment control practices, phasing disturbances, stabilization practices)</i> At the east and south boundary of site steep slopes drop into the Petroglyph National Monument.
Preserve topsoil:	<i>(e.g., stockpiling or transfer of topsoil to other locations)</i> Topsoil is being used on site.
Soil compaction:	<i>(e.g., restrict vehicle / equipment use, soil conditioning techniques)</i> Vehicles restricted to working areas of site
Storm drain inlet protection:	<i>(e.g., fabric filters, sandbags, concrete blocks, gravel barriers)</i> No storm drains in place at present time.
Conveyance channels:	<i>(e.g., erosion controls, and velocity dissipation check dams, sediment traps, riprap, or grouted riprap at outlets)</i> No velocity dissipation devices seen on site. Silt fence at perimeter of site.
Sediment basin:	<i>(e.g., outlet structures that withdraw from the surface, stabilization, erosion controls, velocity dissipation, kept at least 1/2 design capacity)</i> Some sediment basins in place, berm sides constructed of loose sand material found at site.

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

Erosion and Sediment Control Practices - Continued	
Treatment chemicals:	<i>(e.g., spill berms, decks, spill containment pallets, storing chemicals in covered area, spill kit available on site)</i> N/A
Dewatering:	<i>(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)</i> N/A
Other erosion and sediment controls or practices:	<i>(Provide brief description)</i> Increased berming of some areas completed.
Stabilization Practices Part 2.2	
Stabilization:	<i>(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)</i> Site active.
Are stabilization measures initiated immediately? Y/N Are they completed within 14 days of construction cessation? Y/N	<i>(e.g. indicate “yes” or “no”; if not within 14 days of construction cessation, how long without stabilization measures?)</i> Construction cessation has not occurred.
Pollution Prevention Measures Part 2.3	
Fueling and maintenance of vehicles:	<i>(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)</i> N/A – No fueling or maintenance taking place on-site.
Washing equipment & vehicles:	<i>(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)</i> N/A

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

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

**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

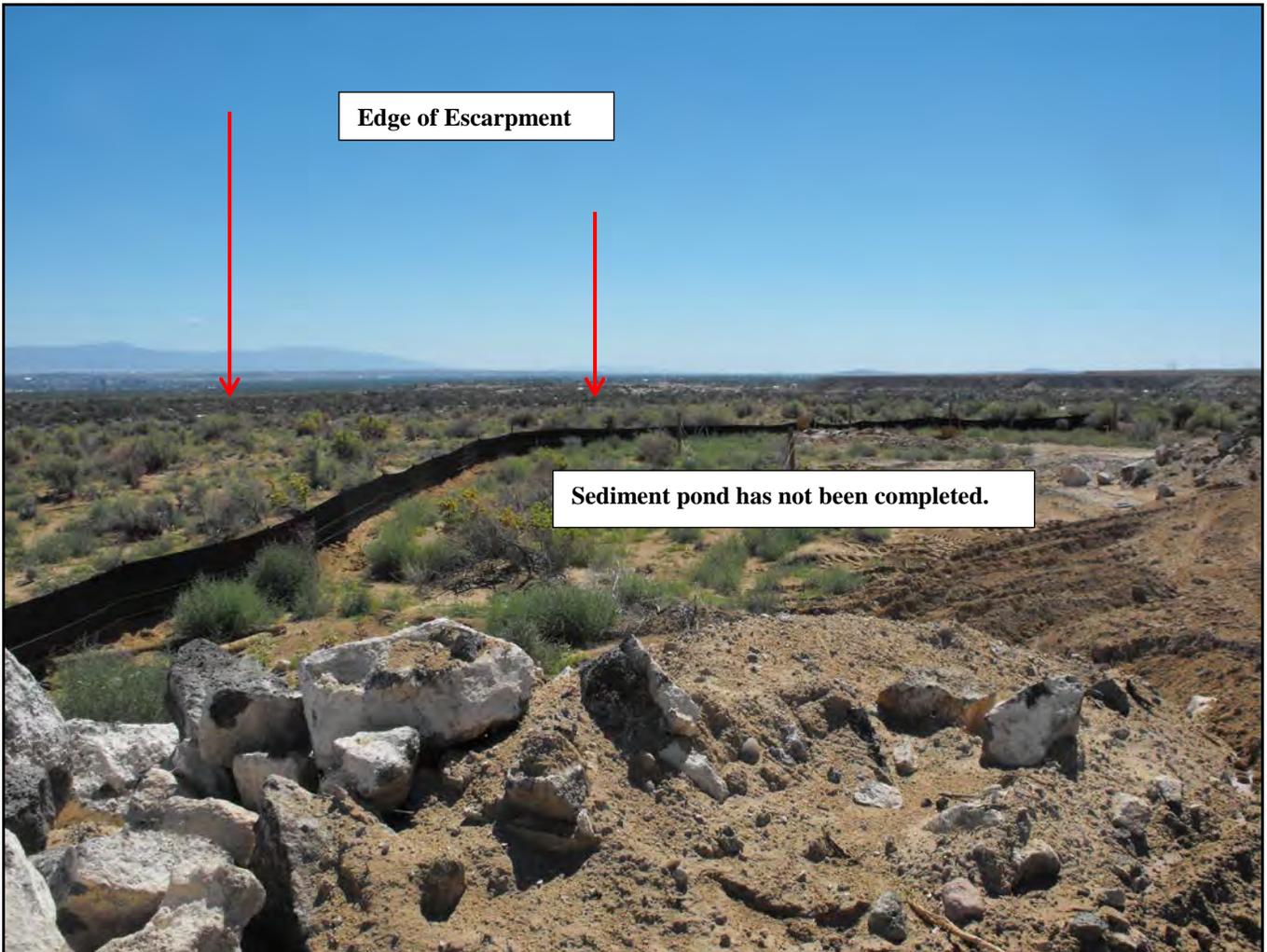
Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1325 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing east.		
Subject: East side of development next to escarpment down to Petroglyph National Monument and private homes. Stormwater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

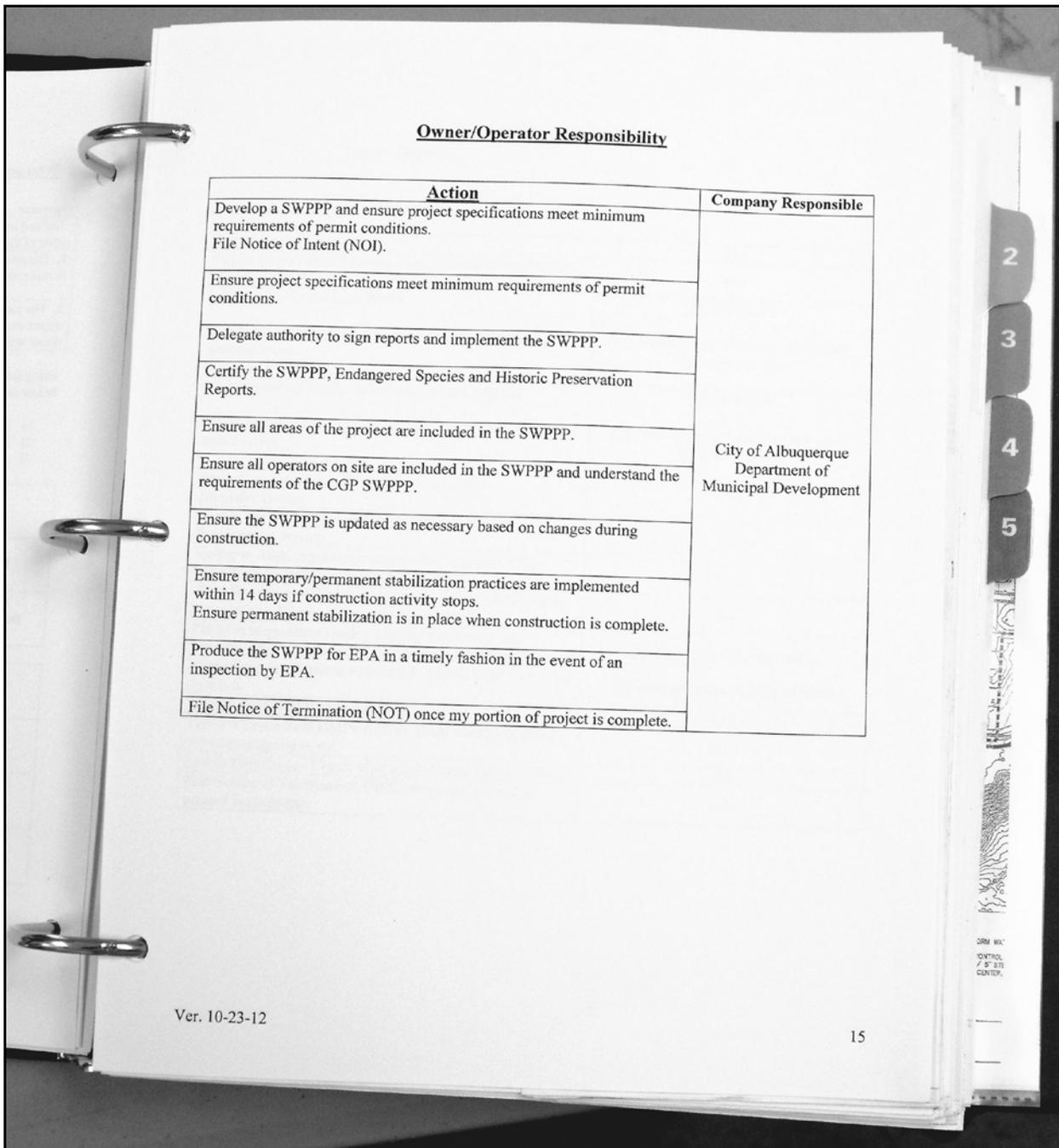
Photographer: Daniel Valenta	Date: September 23, 2013	Time: 1403 hours
City/County: Albuquerque/Bernalillo		
Location: Petroglyph Estates/SAD 228 (N 35.1668, W -106.7214) facing southwest.		
Subject: Southside of site where a breach of a sediment pond may have occurred.		



**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.		



**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 maintenance 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	<input checked="" type="checkbox"/> All BMPs
Install these before soil disturbing activities begin in affected areas.	<input type="checkbox"/> Sharing responsibility with other operators on site
Maintenance of BMPs (structural and procedural)	<input checked="" type="checkbox"/> All BMPs
Maintain all BMPs in good working condition to final site stabilization.	<input type="checkbox"/> 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 1/4" rain event inspections or bi-weekly inspections in situations as defined in 2012 CGP Part 4.1.2 to 4.1.4.	<input type="checkbox"/> Yes performing inspections <input checked="" type="checkbox"/> 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

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« 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 68 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: 78 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	Sunny	Mostly Cloudy	Partly	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

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