



SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

***Surface Water Quality Bureau***

**Harold Runnels Building, N2050  
1190 South St. Francis Drive (87505)  
P.O. Box 5469, Santa Fe, NM 87502-5469  
Phone (505) 827-0187 Fax (505) 827-0160  
[www.nmenv.state.nm.us](http://www.nmenv.state.nm.us)**



DAVE MARTIN  
Secretary

BUTCH TONGATE  
Deputy Secretary

JAMES H. DAVIS, Ph.D.  
Director  
Resource Protection Division

---

**Certified Mail - Return Receipt Requested**

November 8, 2012

Mr. Clint Autrey, Vice President  
AJAC Enterprises, Inc.  
8359 Corona Loop NE, Suite 100  
Albuquerque, NM 87113

Re: Construction Stormwater, SIC 1629, NPDES Compliance Evaluation Inspection, AJAC Enterprises, Inc., MRG Restoration - South, NPDES Permit NMR12A716, October 23, 2012

Dear Mr. Autrey,

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 noted 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 above address) regarding modifications and compliance schedules.

I want to thank you for the assistance of Mr. Butch McDorman during this inspection. If you have any questions, please feel free to contact me at [sarah.holcomb@state.nm.us](mailto:sarah.holcomb@state.nm.us) or by telephone at (505) 222-9587.

Sincerely,  
/s/ Sarah Holcomb  
Sarah Holcomb  
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

Bill Chavez, NMED District 1 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	7	1	6	11	12	1	2	1	0	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						70						71		72		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) <b>MRG RESTORATION – SOUTH, ALBUQUERQUE/CORRALES, NM; BERNALILLO AND SANDOVAL COUNTIES: 11 LOCATIONS FROM SOUTHERN END OF ALBUQUERQUE TO SANDIA PUEBLO.</b>		Entry Time /Date 0945 HOURS / 10-23-2012	Permit Effective Date 2-16-2012
		Exit Time/Date 1550 HOURS / 10-23-2012	Permit Expiration Date 2-15-2017
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) MR. GARY "BUTCH" MCDORMAN, SUPERINTENDENT, AJAC ENTERPRISES (505) 897-0120		Other Facility Data SIC 1629	
Name, Address of Responsible Official/Title/Phone and Fax Number MR. CLINT AUTREY, VICE PRESIDENT, AJAC ENTERPRISES, INC. (505) 897-0120 8329 CORONA LOOP NE, SUITE 100, ALBUQUERQUE, NM 87113		Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

#### Section C: Areas Evaluated During Inspection

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

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

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

- Inspector arrived at the Shirk location (Site 4C) at approximately 0945 hours on October 23, 2012. Once contact was made with AJAC Enterprises, arrangements were made to meet at the Tingley site (Site 4A) at 1100 hours. The inspector conducted an entrance interview with Mr. Gary "Butch" McDorman of AJAC, where she made introductions, presented her credentials and explained the purpose of the inspection. An exit interview was conducted at the AJAC offices with Mr. Clint Autrey, VP (AJAC), Mr. McDorman (AJAC), Mr. Lee Eads (AJAC), Mr. Stan Hawkins (AJAC) and Mr. Jacob Chavez (US Army Corps of Engineers) from approximately 1450-1350 hours on October 23, 2012.
- Please see report for further explanations.

Name(s) and Signature(s) of Inspector(s) Sarah Holcomb /s/ Sarah Holcomb	Agency/Office/Telephone/Fax 505-222-9587	Date 11-8-2012
Signature of Management QA Reviewer Richard Powell /s/ Richard Powell	Agency/Office/Phone and Fax Numbers 505-827-2798	Date 11-8-2012

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

National Database Information		General	
Inspection Type	CEI	Inspector Name	Sarah Holcomb
NPDES ID Number	NMR12A716 (AJAC) NMU001817 (USACE)	Telephone	505-222-9587
Inspection Date	10-23-2012	Entry Time	0945 hours
Inspector Type (circle one)	EPA <input type="checkbox"/> State <input checked="" type="checkbox"/> EPA Oversight	Exit Time	1550 hours
Facility Type (circle one)	Commercial / Residential / Municipal / Industrial <input checked="" type="checkbox"/> Federal	Signature	/s/ Sarah Holcomb

Facility Location Information			
Name/Location/Mailing Address	MRG Restoration – South (various Albuquerque and Corrales locations) Mailing: 8359 Corona Loop NE, Suite 100, Albuquerque, NM 87113		
Coordinates	Latitude	various	Longitude various
Receiving Waters	Rio Grande in 20.6.4.105 NMAC and 20.6.4.106 NMAC		
Disturbed Area	916 acres	Start/Stop Dates	5-16-2012 to 5-16-2015

Contact Information		
	Name(s)	Telephone
Name(s) and Role(s) of All Parties Meeting the Definition of Operator	US Army Corps of Engineers - owner AJAC Enterprises, Inc. - operator	
Facility Contact	Mr. Gary "Butch" McDorman (AJAC)	505-897-0120
Authorized Official(s)	Mr. John D'Antonio, Deputy District Engineer (USACE) Mr. Clint Autrey, VP (AJAC)	505-342-3431 505-897-0120

Site Information: circle all that apply							
<b>Nature of Project</b>	Residential	Commercial / Industrial	Roadway	Private	<input checked="" type="checkbox"/> Federal	State / Municipal	<input type="checkbox"/> Other
<b>Construction Stage</b>	Clearing / Grubbing	Rough Grading	Infrastructure	Building (Vertical)	<input checked="" type="checkbox"/> Final Grading	<input checked="" type="checkbox"/> Final Stabilization	

Basic Permit Information			Basic SWPPP Information		
Permit Coverage	<input checked="" type="checkbox"/> AJAC	<input type="checkbox"/> USACE	SWPPP Prepared & Available? <i>Part 7.1.1, 7.2.1</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Permit Type	<input checked="" type="checkbox"/> General	Individual	SWPPP Contents Satisfactory?	Y	<input type="checkbox"/> N
Notice Posted (visible, font large, NPDES Permit tracking#, contact name & phone #) <i>Part 1.5</i>	Y	<input type="checkbox"/> N	SWPPP Implementation Satisfactory?	Y	<input type="checkbox"/> N
NOI Date	5-16-2012		SWPPP Date	Not dated	
Is NOI Satisfactory?	Y	<input type="checkbox"/> N*			

Additional Facility and Inspection Information (optional)
<p>* NOI did not contain correct water quality information. This project's purpose is to conduct restoration work along the banks of the Rio Grande. This inspection was prompted by a complaint that BMPs were in disrepair.</p>

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

SWPPP Review <i>(can be completed in office)</i>			
General	Notes:		
<b>SWPPP Signed/Certified.</b> Did all operators sign/certify the SWPPP? <i>Part 7.2.15, Appendix I.11</i>	Y	<input checked="" type="checkbox"/> N	Clint Autrey (AJAC) signed the SWPPP on 11-23-2011. USACE had not obtained permit coverage, and had not signed on to the SWPPP used by AJAC.
<b>SWPPP completed prior to NOI?</b> <i>Part 7.1.1, Part 1.2.1</i>	Y	N	SWPPP was undated; inspector was unable to determine.
<b>Endangered Species Act.</b> Does SWPPP include documentation supporting determination? <i>Part 7.2.14.1; Part 1.1.e, Appendix D</i>	<input checked="" type="checkbox"/> Y	N	
<b>Historic Properties.</b> Does SWPPP include documentation supporting determination? <i>Part 7.2.14.2, Appendix E</i>	<input checked="" type="checkbox"/> Y	N	
<b>If applicable, documents contact with agency or office responsible for implementing Safe Drinking Water Act <u>underground injection control well(s)</u>?</b> <i>Part 7.2.14.3, 40 CFR Parts 144 -147</i>	Y	N	N/A
<b>Post-Authorization Additions.</b> Does SWPPP include: ➤ Copy of acknowledgement letter <input checked="" type="checkbox"/> Y/N ➤ Copy of NOI <input checked="" type="checkbox"/> Y/N ➤ Copy of permit <input checked="" type="checkbox"/> Y/N <i>Part 7.2.16.3</i>	<input checked="" type="checkbox"/> Y	N	Copies of two CGPs (2008 and 2012) were contained in the SWPPP.
<b>If applicable, SWPPP describes compliance with any case-by-case basis USEPA imposed water quality-based effluent limitation requirements?</b> <i>Part 3</i>	Y	N	N/A
<b>If discharge to an impaired water, includes records of all data used to complete NOI:</b> ➤ List of all impaired waters <input checked="" type="checkbox"/> Y/N ➤ Pollutant(s) for which the surface water is impaired <input checked="" type="checkbox"/> Y/N ➤ Whether a TMDL has been approved or established <input checked="" type="checkbox"/> Y/N <i>Part 3.2.1, Appendix I.15</i>	<input checked="" type="checkbox"/> Y	N	However, the information was out of date and did not include the new E. coli TMDL information, as well as the information from the 2012-2014 303(d) listing. This can all be accessed on the NMED Surface Water Quality Bureau website.
<b>Required SWPPP modifications completed?</b> ➤ 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 <i>Parts 7.4, 5.2.2, Appendix I.11.b</i>	Y	<input checked="" type="checkbox"/> N	No modifications were noted as being needed at the time of this inspection, however, maps needed updating and a significant number of items within the plan itself needed to be updated in accordance with the requirements of the 2012 CGP.
<b>Records Retention.</b> 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 checked="" type="checkbox"/> Y	N	

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

Team & Activity Description			Notes:
<b>Identifies stormwater team personnel and responsibilities?</b> ➤ Personnel (by name or position) Y/N ➤ Individual responsibilities Y/N <i>Part 7.2.1</i>	Y	<input type="checkbox"/> N	
<b>Is staff training documented?</b> ➤ Training occurs prior to the commencement of earth-disturbing activities or pollutant-generating activities, whichever occurs first Y/N ➤ Ensures following understand the requirements of this permit and their specific responsibilities: <ul style="list-style-type: none"> <li>○ Personnel responsible for the design, installation, maintenance, and/or repair of controls/measures Y/N</li> <li>○ Personnel responsible for the application and storage of treatment chemicals Y/N</li> <li>○ Personnel responsible for conducting inspections Y/N</li> <li>○ Personnel responsible for taking corrective actions Y/N</li> </ul> ➤ At a minimum, training includes: <ul style="list-style-type: none"> <li>○ Location of all stormwater controls on the site required by this permit, and how maintained Y/N</li> <li>○ Proper procedures to follow with respect to the permit's pollution prevention requirements Y/N</li> <li>○ When and how to conduct inspections, record applicable findings, and take corrective actions Y/N</li> </ul> <i>Parts 7.2.13, 6 and permit notes for emergency-related construction activities</i>	Y	<input type="checkbox"/> N	Qualifications are documented in the plan for the third party contractor, Rodger Barton, but there is no proof of NPDES stormwater-specific training for any personnel from AJAC or the USACE.
<b>Describes nature of construction activities?</b> ➤ Size of the property <input type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Total area to be disturbed <input type="checkbox"/> Y/ <input type="checkbox"/> N ➤ Construction support activity areas Y/N/ <input type="checkbox"/> NA ➤ Maximum area to be disturbed at any one time <input type="checkbox"/> Y/ <input type="checkbox"/> N <i>Part 7.2.2</i>	<input type="checkbox"/> Y	N	
<b>If applicable, documents emergency-related projects?</b> ➤ 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
<b>Identifies (lists) other site operators and areas of site over which each has control?</b> ➤ List and areas of site over which each has	<input type="checkbox"/> Y	N	

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

control <input checked="" type="checkbox"/> /N Part 7.2.4			
<b>Describes sequence, estimated dates (departures) and duration of construction activities?</b> ➤ 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	<input checked="" type="checkbox"/> N	
<b>Site Map</b>	<b>Notes:</b>		
<b>Includes legible site map(s)?</b> Part 7.2.6	<input checked="" type="checkbox"/> Y	N	A site map is included for each of the 11 locations under this project.
➤ 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) <input checked="" type="checkbox"/> /N ➤ Approximate slopes before and after major grading (note steep slopes) Y/ <input checked="" type="checkbox"/> N ➤ Locations sediment, soil, or materials will be stockpiled Y/N/ <input checked="" type="checkbox"/> NA ➤ Locations of crossings of surface waters Y/N/ <input checked="" type="checkbox"/> NA ➤ Designated points vehicles exit onto paved roads <input checked="" type="checkbox"/> /N ➤ Locations of structures/impervious surfaces upon completion <input checked="" type="checkbox"/> /N ➤ Locations of construction support activity areas Y/N/ <input checked="" type="checkbox"/> NA Part 7.2.6.1	<input checked="" type="checkbox"/> Y	N	
➤ Locations of surface waters/wetlands, within or in immediate vicinity <input checked="" type="checkbox"/> /N ➤ Indicates waters listed as impaired, and Tier 2, <del>Tier 2.5</del> , or Tier 3 Y/ <input checked="" type="checkbox"/> N Part 7.2.6.2	Y	<input checked="" type="checkbox"/> N	
➤ Boundary lines of natural buffers Parts 7.2.6.3, 2.1.2.1a	Y	<input checked="" type="checkbox"/> N	
➤ Areas of federally-listed critical habitat for endangered or threatened species Part 7.2.6.4	<input checked="" type="checkbox"/> Y	N	
➤ Topography <input checked="" type="checkbox"/> /N	<input checked="" type="checkbox"/> Y	N	

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

<ul style="list-style-type: none"> <li>➤ Existing vegetative cover <input checked="" type="checkbox"/>/N</li> <li>➤ Drainage pattern of stormwater/authorized non-stormwater flow onto, over, and from site <u>before and after</u> major grading <input checked="" type="checkbox"/>/N</li> </ul> <p><i>Part 7.2.6.5</i></p>			
<ul style="list-style-type: none"> <li>➤ Stormwater and allowable non-stormwater discharge locations <input checked="" type="checkbox"/>/N</li> <li>➤ Locations of storm drain inlets on site and immediate vicinity <input checked="" type="checkbox"/>/N</li> <li>➤ Locations stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands) on or near site <input checked="" type="checkbox"/>/N</li> </ul> <p><i>Part 7.2.6.6</i></p>	<input checked="" type="checkbox"/>	N	
<ul style="list-style-type: none"> <li>➤ Locations of potential pollutant-generating activities</li> </ul> <p><i>Part 7.2.6.7, Part 7.2.7</i></p>	<input checked="" type="checkbox"/>	N	
<ul style="list-style-type: none"> <li>➤ Locations of control measures</li> </ul> <p><i>Part 7.2.6.8</i></p>	<input checked="" type="checkbox"/>	N	Although this needed updates.
<ul style="list-style-type: none"> <li>➤ Locations polymers, flocculants, or treatment chemicals will be used/stored</li> </ul> <p><i>Part 7.2.6.9</i></p>	Y	N	N/A
<b>Construction Site Pollutants</b>		<b>Notes:</b>	
<p><b>Includes pollutant-generating activities list and description?</b></p> <p><i>Part 7.2.7.1</i></p>	<input checked="" type="checkbox"/>	N	
<p><b>Includes inventory of pollutants or constituents?</b></p> <ul style="list-style-type: none"> <li>➤ Inventory <input checked="" type="checkbox"/>/N</li> <li>➤ Potential spills/leaks <input checked="" type="checkbox"/>/N</li> <li>➤ Departures from manufacturer's specifications for applying fertilizers containing nitrogen &amp; phosphorus Y/N/<input checked="" type="checkbox"/>NA</li> </ul> <p><i>Parts 7.2.7.2, 2.3.5.1</i></p>	<input checked="" type="checkbox"/>	N	
<p><b>Identifies all sources of allowable non-stormwater discharges?</b></p> <p><i>Parts 7.2.8, 1.3.d</i></p>	Y	<input checked="" type="checkbox"/> N	Plan gives the entire permitted list, without discussing which allowable discharges might actually occur during this project.
<p><b>If required (surface water w/50 feet of earth disturbance), documents and describes <u>buffer compliance alternative</u> selected?</b></p> <ul style="list-style-type: none"> <li>➤ 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</li> <li>➤ Uses velocity dissipation devices, if necessary Y/N/NA</li> <li>➤ Documents natural buffer width Y/N/NA</li> <li>➤ Delineates, and clearly marks off, with flags, tape, or other similar marking device all natural buffer areas Y/N/NA</li> <li>➤ Documents erosion and sediment control(s) used to achieve an equivalent sediment reduction Y/N/NA</li> <li>➤ Documents any information relied upon to demonstrate equivalency Y/N/NA</li> </ul> <p><i>Parts 7.2.9, 2.1.2, Appendix G</i></p>	Y	<input checked="" type="checkbox"/> N	No discussion in the plan of buffer requirements.

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

<p><b>As applicable, describes and documents <u>buffer exceptions</u>?</b></p> <ul style="list-style-type: none"> <li>➤ Describes rationale/why infeasible to provide and maintain an undisturbed natural buffer of any size Y/N/NA</li> <li>➤ For linear project, describes buffer width retained and supplemental controls installed Y/N/NA</li> <li>➤ Small residential lot options Y/N/NA</li> <li>➤ Documents CWA Section 404 Permit, water-dependent structure/access disturbances Y/N</li> </ul> <p><i>Parts 7.2.9; 2.1.2.1e, Appendix G</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>No discussion in the plan of buffer requirements.</p>
<b>All Stormwater Control Measures</b>		<b>Notes:</b>	
<p><b>Describes each measure?</b></p> <ul style="list-style-type: none"> <li>➤ Type of measure to be installed and maintained, including design information <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</li> <li>➤ Specific sediment controls installed and made operational prior to conducting earth-disturbing activities <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</li> <li>➤ For exit points, stabilization techniques and any additional controls planned to remove sediment prior to vehicle exit <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</li> <li>➤ 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</li> </ul> <p><i>Part 7.2.10.1</i></p>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<b>Erosion and Sediment Controls</b>		<b>Notes:</b>	
<p><b>Minimizes <u>area of disturbance</u>?</b></p> <p><i>Part 2.1.1.1</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
<p><b>Describes erosion and sediment control <u>design requirements</u>?</b></p> <ul style="list-style-type: none"> <li>➤ Accounts for expected amount, frequency, intensity, duration of precipitation Y/N</li> <li>➤ Accounts for nature of run-on and run-off (channelized peak flow rates &amp; total volume at outlet) Y/N</li> <li>➤ Accounts for range of soil particle sizes (distribution, erosivity and cohesiveness) Y/N</li> <li>➤ Directs discharge to vegetated areas to increase sediment removal and infiltration unless infeasible Y/N/NA</li> <li>➤ Uses velocity dissipation, if necessary Y/N</li> <li>➤ Complies with State of New Mexico except Indian country requirements: <ul style="list-style-type: none"> <li>○ 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</li> <li>○ 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</li> </ul> </li> </ul>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>Please see Photo #1. Contractor noted in SWPPP that it was not feasible to conduct the analysis required in Part 2 and Part 9 of the permit for this site.</p>

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

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

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

<i>Part 2.1.2.5</i>			
<b>Minimizes disturbance of <u>steep slopes</u>?</b> <i>Part 2.1.2.6</i>	Y	N	N/A
<b>Preserves <u>topsoil</u>, unless infeasible?</b> <i>Part 2.1.2.7</i>	Y	N	N/A

<b>Minimizes <u>soil compaction</u> where final vegetative stabilization or infiltration installed?</b> <i>Part 2.1.2.8</i>	<input checked="" type="checkbox"/>	N	
<b>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)?</b> <i>Part 2.1.2.9</i>	Y	N	N/A
<b>Describes <u>constructed conveyance channel controls</u> (if installed)?</b> <i>Part 2.1.3.1</i>	Y	<input checked="" type="checkbox"/>	Part of the project's purpose is to construct high flow channels, but this is not described anywhere other than the introduction.
<b>Describes <u>sediment basin</u> design (if installed) and maintenance (maintain at least ½ of capacity at all times)?</b> <i>Part 2.1.3.2</i>	Y	N	N/A
<b>Describes <u>treatment chemical controls</u> (if used)?</b> <i>Part 2.1.3.3</i>	Y	N	N/A
<b>Includes documentation for use of <u>treatment chemicals</u> (polymers, flocculants, or other treatment chemicals)?</b> <ul style="list-style-type: none"> <li>➤ 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</li> <li>➤ Lists all treatment chemicals and why the selection of these chemicals is suited to the soil characteristics Y/N</li> <li>➤ 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</li> <li>➤ Dosage/methodology to determine dosage Y/N</li> <li>➤ Information from any applicable MSDS Y/N</li> <li>➤ Schematic drawings of any chemically-enhanced or chemical treatment systems Y/N/NA</li> <li>➤ Description of how chemicals will be stored Y/N</li> <li>➤ References to applicable state or local requirements and copies of applicable manufacturer's specifications Y/N</li> <li>➤ Description of training that personnel have received or will receive Y/N</li> </ul> <i>Parts 7.2.10.2, 2.1.3.3h</i>	Y	N	N/A
<b>Describes <u>dewatering controls</u> (if installed)?</b> <i>Part 2.1.3.4</i>	Y	N	N/A

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

Stabilization Requirements	Notes:		
<p><b>Describes compliance with deadlines for vegetative and/or non-vegetative stabilization practices, including exceptions?</b></p> <p><u>Deadline to Initiate</u></p> <ul style="list-style-type: none"> <li>➤ Initiates stabilization immediately (no later than end of next work day following earth-disturbing activities permanently/temporarily ceased) Y/N</li> </ul> <p><u>Deadline to Complete</u></p> <ul style="list-style-type: none"> <li>➤ 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</li> <li>➤ 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</li> <li>➤ Documents/describes circumstances beyond control that prevent meeting deadlines Y/N/NA</li> <li>➤ If discharging to sediment or nutrient-impaired waters or Tier <del>2-2.5</del> or 3 waters, completes stabilization (vegetative or non-vegetative) w/7 calendar days after temporary or permanent cessation Y/N/NA</li> </ul> <p><i>Parts 7.2.10.3, 2.2.1, 3, 9.4.1.3</i></p>	Y	<input checked="" type="checkbox"/> N	<p>No discussion of requirements under discharge to a Tier 2 waterbody as required in Part 7.</p>
<p><b>Describes compliance with vegetative (final) stabilization criteria?</b></p> <ul style="list-style-type: none"> <li>➤ 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"/> Y/N</li> <li>➤ 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"/> Y/N</li> </ul> <p><i>Parts 7.2.10.3, 2.2.2.a, 3, 9.4.1.4</i></p>	<input checked="" type="checkbox"/> Y	N	<p>The general requirements are given, but no description is contained in the plan as to how the 70% criterion will be met.</p>

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

<p><b>If applicable, describes compliance with State of New Mexico, except Indian country, arid, semi-arid areas, or drought stricken option for final stabilization:</b></p> <ul style="list-style-type: none"> <li>➤ Area seeded/planted must w/3 yrs provides established vegetation that achieves 70% of the native background vegetative cover Y/N</li> <li>➤ Selects, designs, and installs non-vegetative erosion controls that provide cover for at least 3 years without active maintenance Y/N</li> <li>➤ Complies with notification, inspection maintenance, and reporting) Y/N</li> </ul> <p><i>Parts 7.2.10.3, 2.2.2.b, 3, 9.4.1.5</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>RUSLE (or equivalent) calculations were not documented in the plan.</p>
<p><b>If using, provides effective non-vegetative cover to stabilize?</b></p> <p><i>Parts 7.2.10.3, 2.2.2.2</i></p>	Y	N	N/A
<b>Pollution Prevention Procedures</b>		<b>Notes:</b>	
<p><b>Describes procedures for <u>spill prevention and response</u>?</b></p> <p><i>Parts 7.2.11.1, 2.3.4</i></p>	<input checked="" type="checkbox"/> Y	N	
<p><b>Describes procedures for <u>waste management</u>?</b></p> <p><i>Part 7.2.11.2, 2.3.3.3</i></p>	<input checked="" type="checkbox"/> Y	N	
<p><b>Eliminates prohibited discharges?</b></p> <ul style="list-style-type: none"> <li>➤ Concrete washout, unless managed by control in Part 2.3.3.4 <input checked="" type="checkbox"/> Y/N</li> <li>➤ 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"/> Y/N</li> <li>➤ Fuels, oils or other from vehicle and equipment O&amp;M <input checked="" type="checkbox"/> Y/N</li> <li>➤ Soaps, solvents, or detergents used in vehicle and equipment washing Y/N/<input checked="" type="checkbox"/> NA</li> <li>➤ Toxic or hazardous substances from spill/release Y/N/<input checked="" type="checkbox"/> NA</li> </ul> <p><i>Part 2.3.1</i></p>	<input checked="" type="checkbox"/> Y	N	
<p><b>Properly maintains and protects all pollution prevention controls?</b></p> <p><i>Part 2.3.2</i></p>	<input checked="" type="checkbox"/> Y	N	<p>Pictures included with complaint show various BMPs in need of repair but not enough information was included to determine where these BMPs were. On the day of this inspection, BMPs were in good shape.</p>
<p><b>Complies with pollution prevention standards for certain activities?</b></p> <ul style="list-style-type: none"> <li>➤ Fueling/maintenance of equipment or vehicles <input checked="" type="checkbox"/> Y/N/NA</li> <li>➤ Washing of equipment and vehicles Y/N/<input checked="" type="checkbox"/> NA</li> <li>➤ Storage, handling, disposal of materials, products and waste <input checked="" type="checkbox"/> Y/N/NA</li> <li>➤ Washing applicators/containers <input checked="" type="checkbox"/> Y/N/NA</li> </ul> <p><i>Part 2.3.3</i></p>	<input checked="" type="checkbox"/> Y	N	
<p><b>Minimizes discharge/complies with restrictions of <u>fertilizer application</u>?</b></p> <p><i>Part 2.3.5</i></p>	Y	N	<p>N/A – no fertilizer was used in this project.</p>

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

Inspections and Corrective Action		
<p><b>SWPPP describes procedures for <u>inspection, maintenance, and corrective action</u>?</b></p> <ul style="list-style-type: none"> <li>➤ Personnel conducting inspections <input checked="" type="checkbox"/>/N</li> <li>➤ Inspection schedule <input checked="" type="checkbox"/>/N</li> <li>➤ Reduction of inspection frequency Y/<input checked="" type="checkbox"/>/NA. As applicable:                             <ul style="list-style-type: none"> <li>○ location of the rain gauge or the address of weather station to obtain rainfall data Y/N/NA</li> <li>○ beginning and ending dates of the seasonally-defined arid period for your area or the valid period of drought Y/N/NA</li> <li>○ beginning and ending dates of frozen conditions Y/N/NA</li> </ul> </li> <li>➤ Inspection or maintenance checklists or other forms that will be used <input checked="" type="checkbox"/>/N</li> </ul> <p><i>Parts 7.2.12</i></p>	Y	<p><input checked="" type="checkbox"/> Please see discussion on page 14 of this checklist.</p>
Inspections	Notes:	
<p><b>Inspections performed by “qualified” person?</b></p> <p><i>Part 4.1.1</i></p>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
<p><b>Conducts inspections at a minimum of required frequency unless reductions documented?</b></p> <ul style="list-style-type: none"> <li>➤ Every 7 days <u>or</u> 14 days &amp; w/in 24 hrs of a 0.25” rain event Y/N</li> </ul> <p><i>Part 4.1.2</i></p>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
<p><b>If applicable, conducts increased inspection frequency for sites with discharges to sediment or nutrient-impaired waters or Tier <del>2-2.5</del> or 3 waters:</b></p> <ul style="list-style-type: none"> <li>➤ Once every 7 days Y/N; <u>and</u></li> <li>➤ Within 24 hrs of a ≥ 0.25” rain event Y/N?</li> </ul> <p><i>Parts 4.1.3, 3.3.2.1, 3.3.2</i></p>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
<p><b>If allowable (begin/end dates recorded), documents reduced inspection frequency?</b></p> <ul style="list-style-type: none"> <li>➤ Stabilized area - 1/mo in areas where stabilization has been completed Y/N/NA</li> <li>➤ 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</li> <li>➤ For frozen conditions (runoff unlikely, disturbance suspended, areas stabilized) - suspends until thawing conditions Y/N/NA</li> </ul> <p><i>Part 4.1.4.1 thru 3</i></p>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>Inspections were not documented after April 2012. In Part 4.1.4.1 of the permit, it states that a permittee may reduce inspections to once per month for stabilized areas. Also, if the permittee can prove that they are working within a semi-arid period, they can reduce the inspection frequency to once per month and within 24 hours of a 0.25” rain event if the area is not stabilized. To prove this, the permittee must run an r-value calculation (available on EPA’s website) and the resultant value must be less than 5. A rain gauge must also be kept at the site.</p>
<p><b>Inspection areas includes:</b></p> <ul style="list-style-type: none"> <li>➤ All cleared, graded, excavated, and not completed stabilization <input checked="" type="checkbox"/>/N</li> <li>➤ All controls/measures <input checked="" type="checkbox"/>/N</li> <li>➤ Material/waste/borrow/equipment storage and maintenance areas <input checked="" type="checkbox"/>/N</li> <li>➤ All areas stormwater typically flows <input checked="" type="checkbox"/>/N</li> <li>➤ All points of discharge <input checked="" type="checkbox"/>/N</li> <li>➤ All locations stabilization implemented</li> </ul>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>Stabilization measures not documented in inspection reports or in logs contained within the SWPPP.</p>

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

Y/ <input type="checkbox"/> N/ <input type="checkbox"/> NA Part 4.1.5			
<b>Inspection includes minimum requirements?</b> ➤ Controls installed/operational <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Determines need to replace, repair, or maintain <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Conditions that could lead to spills, leaks, and accumulations of pollutants <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Identifies where new or modified controls are necessary <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ At points of discharge, checks for visible erosion/sedimentation on banks <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N/ <input type="checkbox"/> NA ➤ Identifies noncompliance <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ If discharge is occurring: ○ Identifies all points of discharge Y/ <input checked="" type="checkbox"/> N ○ Observes/documents visual quality, including color, odor, floating, settled, or suspended solids, foam, oil sheen, and other of pollutants Y/ <input checked="" 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. Part 4.1.6	Y	<input type="checkbox"/> N	The inspection forms contained in the SWPPP did not have an area to document visual assessment if inspections were conducted during a period of discharge from the construction areas.
<b>Inspection reports:</b> ➤ Completed within 24 hrs Y/ <input checked="" type="checkbox"/> N ➤ Includes inspection date <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Includes names/titles of personnel <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Includes summary of findings <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N ➤ Includes applicable rain gauge reading <input type="checkbox"/> Y/ <input checked="" type="checkbox"/> N/ <input type="checkbox"/> NA ➤ Signed and certified in accordance with Appendix I.11 Y/ <input checked="" type="checkbox"/> N Part 4.1.7.1 and 2	Y	<input type="checkbox"/> N	Difficult to tell if inspection reports had been completed within 24 hours of the inspection. Rodger Barton was signing the inspection forms, but signatures should come from owner/operator representatives.

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

Corrective Action			Notes:
<p><b>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?</b></p> <p><i>Part 5</i></p>	Y	N	No corrective actions were documented as being necessary at the time of this inspection.
<p><b>Within 24 hours of discovering the occurrence, completes a report of the following:</b></p> <ul style="list-style-type: none"> <li>➤ Condition identified Y/N</li> <li>➤ Nature of the condition identified Y/N</li> <li>➤ Date and time of the condition identified and how it was identified Y/N</li> </ul> <p><i>Part 5.4</i></p>	Y	N	No corrective actions were documented as being necessary at the time of this inspection.
<p><b>Within 7 calendar days of discovering the occurrence, completes a report of the following:</b></p> <ul style="list-style-type: none"> <li>➤ Follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred Y/N</li> <li>➤ Summary of stormwater control modifications taken or to be taken Y/N</li> <li>➤ Schedule of activities necessary to implement changes Y/N</li> <li>➤ Date the modifications are completed or expected to be completed Y/N</li> <li>➤ Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action Y/N</li> <li>➤ Signed and certified in accordance with Appendix I.11 Y/N</li> </ul> <p><i>Parts 5.4.2, 5.4.3</i></p>	Y	N	No corrective actions were documented as being necessary at the time of this inspection.

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

### Additional Notes on SWPPP Review (optional)

This project's purpose is to conduct restoration activities on 584 acres at 11 various locations along the Rio Grande from the south end of Albuquerque, north to the Pueblo of Sandia. The restoration work involves improving hydrologic function through installation of high flow channels, willow swales and wetlands, and restoring native vegetation by removing jetty jacks, exotic species and introducing natural riparian gallery forest. Specifically, 5 acres of wetland habitat will be created, 85 acres of willow swales will be constructed, and jetty jacks and exotics will be removed throughout the entire project area. Various recreation features will be installed as well, including bridges, picnic tables and walking trails. Work was not allowed in the bosque area from April 15-August 15 due to endangered species concerns regarding the Southwestern Willow Flycatcher's nesting season.

This is a US Army Corps of Engineers (USACE) project, and the Corps has employed AJAC Enterprises, Inc. to conduct the work as general contractor on their behalf. However, the USACE does not appear to have obtained permit coverage as the project owner. USACE also did not sign on to the project SWPPP, although a statement was contained in the plan stating that the Corps intended to comply with NPDES regulations. Please see Photo #2.

The NOI submitted for AJAC did not contain the most up to date water quality information found on the state's 303(d) listing or TMDL listing. The NOI should be updated.

AJAC started construction at these sites in November 2011. They did obtain permit coverage under the 2008 CGP under tracking number NMR10HM72. They then submitted a new NOI for coverage under the 2012 permit on May 16, 2012 under the current tracking number. However, it does not appear that the SWPPP was updated per the requirements in the new permit:

- EPA calls for more specific water quality information in this new permit. Tasks are based on the waterbody's definition in the state's antidegradation plan. Please see Part 3 of the permit for water quality based effluent limits. This is critical in two parts – if there is a discharge to a Tier 2 waterbody, the construction operators must conduct inspections every 7 days and within 24 hours of a 0.25" rain event, as well as ensure that once construction ceases, stabilization measures must be initiated immediately and must be completed within 7 days. The SWPPP documented irregular inspections, which ended in April 2012. There was no record of temporary or permanent stabilization measures taken at this time.
- The site maps were comprehensive, but needed to be updated to indicate the current condition of each site. Specifically, BMPs and stabilization measures needed to be marked on the maps.
- Part 2.1.2.1 and Appendix G of the permit discuss the need for vegetative buffers if the construction site is within 50 feet of surface waters. There was no documentation of this specific buffer requirement in the plan. There were some buffers implemented at various sites, but did not meet the 50 foot requirement. Most often, erosion control sock was used as the primary BMP, but there was no documentation of calculations in the plan to ensure that this provided the equivalent sediment removal that the entire 50 foot vegetative buffer would have.
- There was no discussion in the plan of corrective action measures. The permit describes in Part 5 that if corrective actions are warranted (repair, modification or replacement of BMPs, spill cleanup, or remedy of a permit violation), then corrective action reports must be written and repairs/solutions must be completed within 7 days. A follow up corrective action report should be filed in the plan once the fix is complete.

Since this project centers on remediation of the river banks through tree planting and installation of willow swales, stabilization for this project had technically been initiated. However, it was difficult to ascertain whether the tree planting met the permit definition of stabilization - 70% of the density of native vegetation that was in place prior to construction. One of the main goals of this project was to reduce fuels in the bosque as a fire prevention measure. It may still be feasible to plant native grasses amongst the trees to provide for soil stabilization to prevent further sedimentation to the Rio Grande. The permittee may choose to extend the stabilization period as given in Part 9.4.1.4 and Part 4 of the permit, but notification must be submitted to NMED if this option is chosen.

The permit requires in Part 2.1.1.2.a and Part 9.4.1.1 that BMPs for the site are chosen with accountability to the soil type and rain event type and duration in order to prevent a sediment and runoff increase from the pre-construction, pre-development conditions found at the site. This SWPPP did not contain any assessment of the BMPs chosen for the site. Typically this is done through a modeling software program such as RUSLE, SEDCAD or SEDIMOT. The third party contractor who wrote the plan documented that it was not feasible due to the type of construction project. Please see Photo #1.

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

<b>Implementation (complete in field)</b> <i>(Narrative Description if Control Measures Installed, Operational, Effective and Maintained)</i>	
<b>Erosion and Sediment Control Practices Part 2.1</b>	
<b>Minimize area of disturbance:</b>	<i>(Provide brief description)</i> Construction/clearing only occurred on sites that were chosen for large willow plantings.
<b>Buffer compliance:</b>	<i>(e.g., provide and maintain a 50-foot undisturbed natural buffer)</i> Out of the 11 total sites, the inspector visited sites 4C, 1E, and 1G. At site 4C, there was a minimal buffer kept on site (please see Photo #3). At sites 1E and 1G, there was a much more substantial buffer, although it was not 50 feet in length (please see photos #4 and #5). Again, erosion control sock was the BMP of choice, and the permittee's representative indicated that the sock will be left in place to naturally degrade.
<b>Perimeter controls:</b>	<i>(e.g., filter berms, silt fences, temporary diversion dikes)</i> Erosion control sock was used as the primary perimeter control. Appeared to be in good shape at the time of this inspection.
<b>Exit point or sediment track out:</b>	<i>(e.g., aggregate stone with an underlying geotextile or non-woven filter fabric, or turf mats, wheel washing, rumble strips, plates, sweeping)</i> Generally, trackouts weren't used because exits were located on dirt roads.
<b>Stockpiled sediment or soil:</b>	<i>(e.g., berms, dikes, fiber rolls, silt fences, sandbag, gravel bags)</i> N/A
<b>Minimize dust:</b>	<i>(e.g., application of water or other dust suppression techniques)</i> Water trucks are run at each site periodically during the day for dust control.
<b>Steep slopes:</b>	<i>(e.g., standard erosion and sediment control practices, phasing disturbances, stabilization practices)</i> N/A
<b>Preserve topsoil:</b>	<i>(e.g., stockpiling or transfer of topsoil to other locations)</i> No soil preservation practices were in use.
<b>Soil compaction:</b>	<i>(e.g., restrict vehicle / equipment use, soil conditioning techniques)</i> Equipment was brought in for clearing and planting. Otherwise no traffic was in the construction areas.
<b>Storm drain inlet protection:</b>	<i>(e.g., fabric filters, sandbags, concrete blocks, gravel barriers)</i> N/A
<b>Conveyance channels:</b>	<i>(e.g., erosion controls, and velocity dissipation check dams, sediment traps, riprap, or grouted riprap at outlets)</i> Contractor constructed some high flow channels but the one channel the inspector observed was not yet connected to the river system as per design.
<b>Sediment basin:</b>	<i>(e.g., outlet structures that withdraw from the surface, stabilization, erosion controls, velocity dissipation, kept at least ½ design capacity)</i> N/A

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

Erosion and Sediment Control Practices - Continued	
<b>Treatment chemicals:</b>	<i>(e.g., spill berms, decks, spill containment pallets, storing chemicals in covered area, spill kit available on site)</i> N/A
<b>Dewatering:</b>	<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
<b>Other erosion and sediment controls or practices:</b>	<i>(Provide brief description)</i> N/A
Stabilization Practices Part 2.2	
<b>Stabilization:</b>	<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> Stabilization has occurred at this point through the planting of willows and shrubs along the river banks. However, there is still quite a bit of ground exposed and the permittee may need to consider planting native grasses to provide for soil stabilization above the terraces.
<b>Are stabilization measures initiated immediately? Y/N Are they completed within 14 days of construction cessation? Y/N</b>	<i>(e.g. indicate "yes" or "no"; if not within 14 days of construction cessation, how long without stabilization measures?)</i> No documentation to indicate when stabilization measures were initiated and completed.
Pollution Prevention Measures Part 2.3	
<b>Fueling and maintenance of vehicles:</b>	<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> Fueling is done via mobile fueling unit with spill kits on site.
<b>Washing equipment &amp; vehicles:</b>	<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 – this does not occur on site.
<b>Washing applicators/containers (e.g., stucco, paint, concrete, form release oils, curing compounds, and other construction materials)</b>	<i>(e.g., leak-proof container or pit, locate as far away as possible from surface waters, inlets or conveyances, designate areas)</i> Concrete wash out located at site 4B and is plastic lined.
Pollution Prevention Measures – Continued	
<b>Storage, handling, disposal of construction materials, products and waste:</b>	<i>Building products (e.g., asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures):</i> Construction materials are disposed in an onsite dumpster.

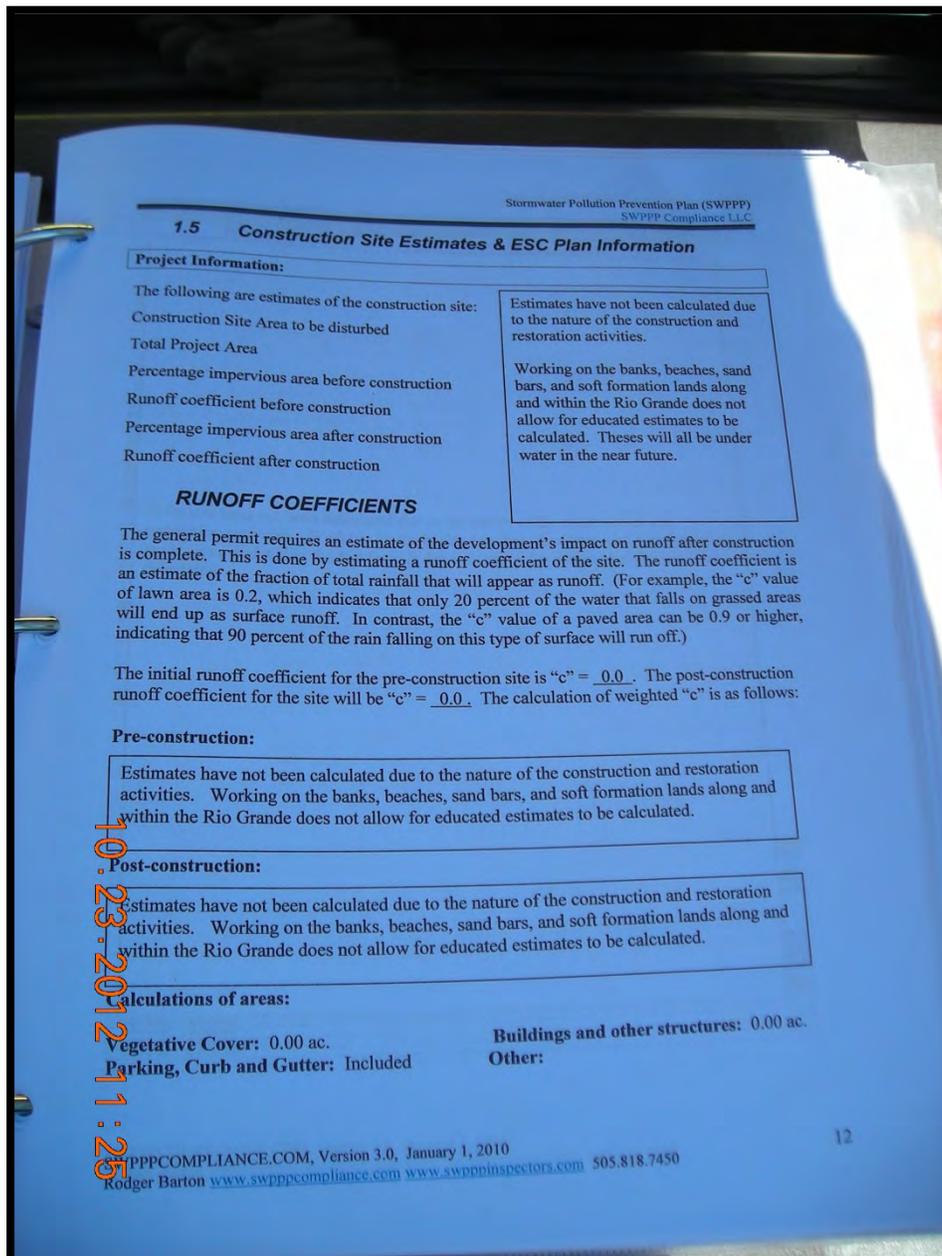
## Industrial Storm Water Worksheet (Construction) – State of New Mexico

	<i>Pesticides, herbicides, insecticides, fertilizers, and landscape materials:</i> N/A – not in use.
	<i>Diesel fuel, oil, hydraulic fluids, other petroleum products, and other chemicals:</i> Fueling is conducting through a mobile unit.
	<i>Hazardous or toxic waste (e.g. paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids):</i> N/A
	<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> Dumpsters are located on site when needed.
	<i>Sanitary waste:</i> Portable toilets are located at active sites. Most of the sites are now not active but are attended through watering activities.
<b>Fertilizer application:</b>	<i>(e.g., avoids applying before heavy rains, never applies to frozen ground, never applies to conveyance channels with flowing water)</i> N/A – Not in use.
<b>Miscellaneous</b>	
<b>Evidence of not allowable non-storm water discharges or prohibited discharge?</b>	<i>(Provide brief description and determine whether any non-storm water discharges allowable)</i> No non stormwater discharges were observed during this inspection.
<b>Evidence of sediment deposition to surface waters or MS4?</b>	<i>(e.g. significant turbidity observed in a receiving water body)</i> Part of the purpose of this project was to build terraces into the river banks. The bottom part of the terraces is designed to erode into the river. This may be in conflict with the permit language, strictly speaking. The Corps representative indicated in the exit interview that they had received a waiver from EPA for that portion of the project. Please see Appendix A to this report.

**Official Photograph Log**

Photo # 1

Photographer: Sarah Holcomb	Date: 10-23-2012	Time: 1125 hours
City/County: Albuquerque/Bernalillo County		
Location: SWPPP review at Site 4A, near Tingley Beach		
Subject: Documentation in SWPPP stating that BMP assessment calculations did not need to be done.		

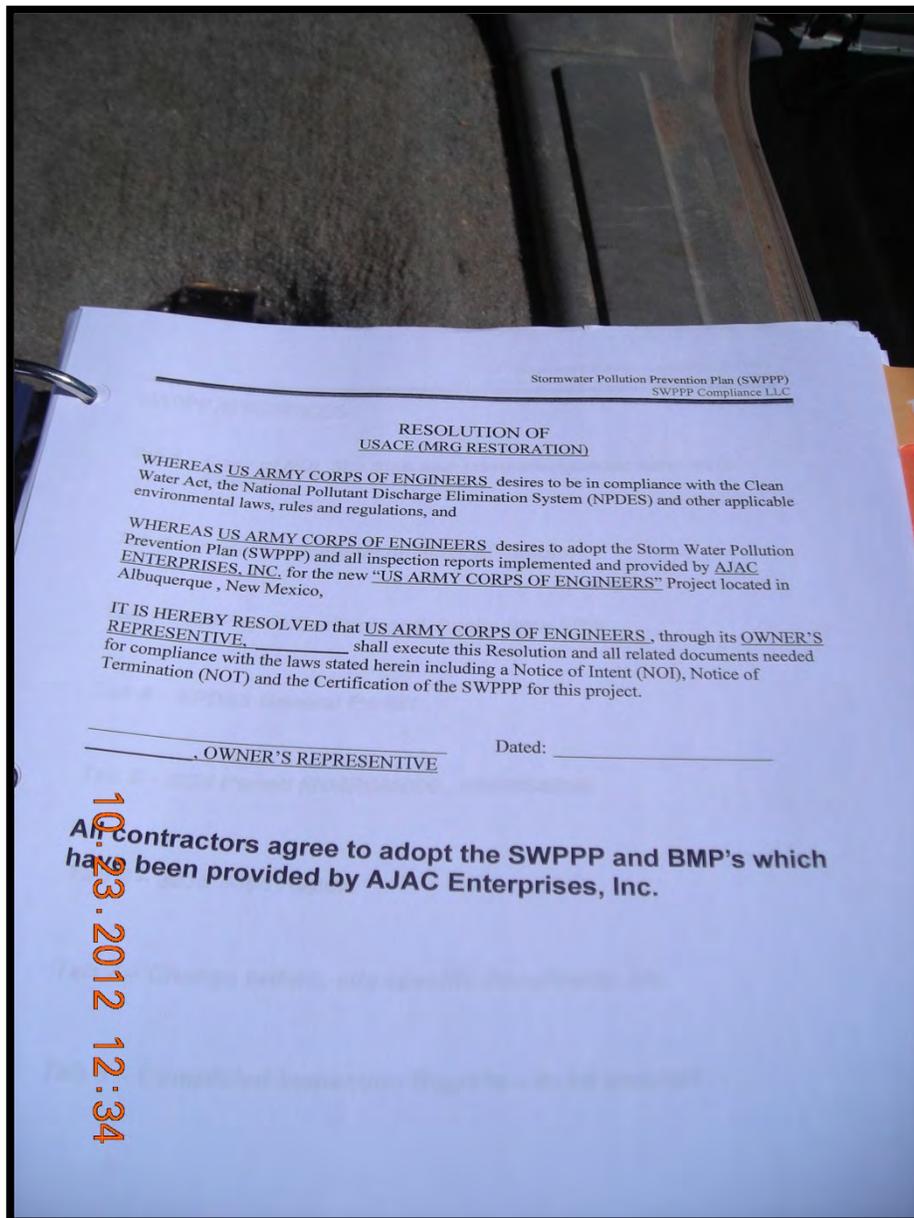


NMED/SWQB

**Official Photograph Log**

Photo # 2

Photographer: Sarah Holcomb	Date: 10-23-2012	Time: 1234 hours
City/County: Albuquerque/Bernalillo County		
Location: SWPPP review at Site 4A, near Tingley Beach		
Subject: Documentation in SWPPP stating that USACE was intending to comply with NPDES regulations.		

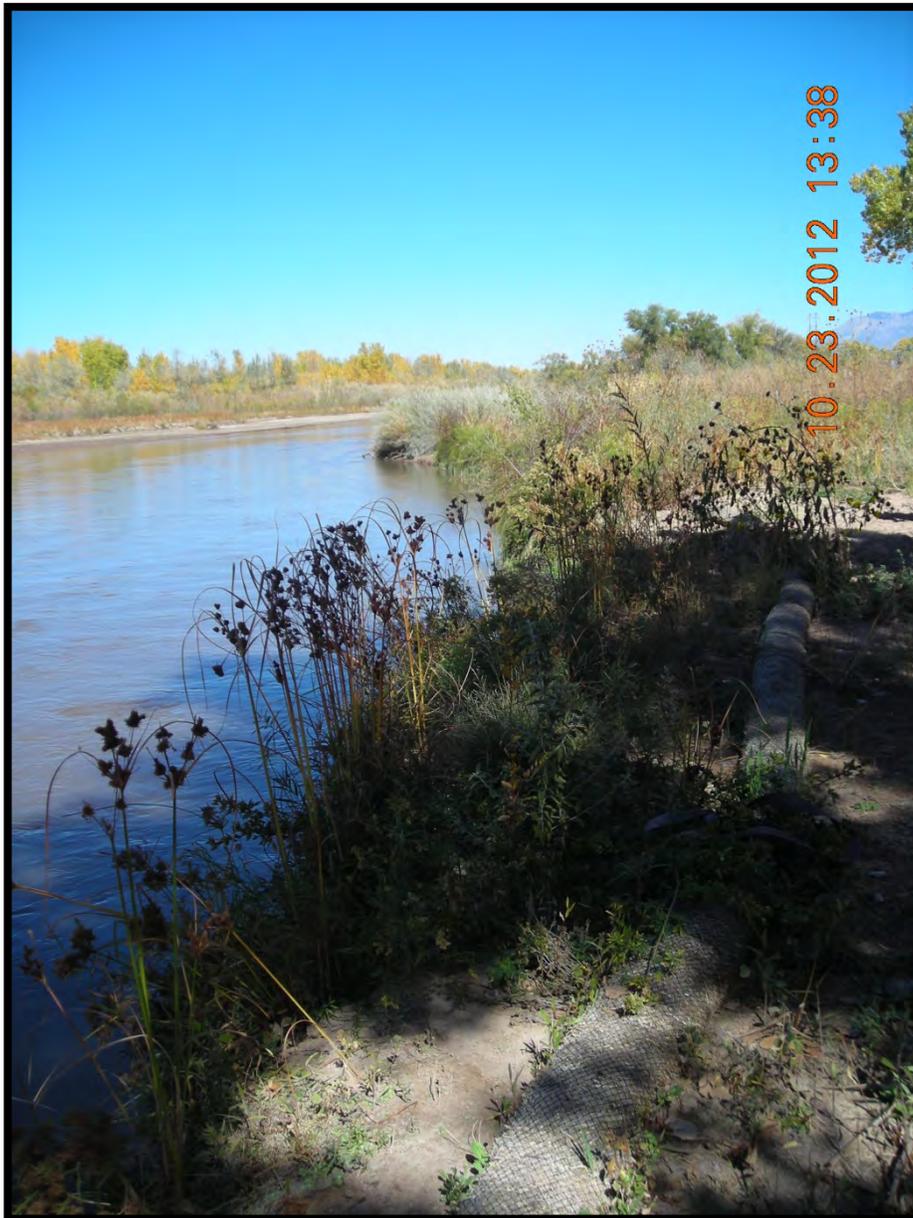


NMED/SWQB

**Official Photograph Log**

Photo # 3

Photographer: Sarah Holcomb	Date: 10-23-2012	Time: 1338 hours
City/County: Albuquerque/Bernalillo County		
Location: Site 4C, near 4 <sup>th</sup> St and Shirk Road in Albuquerque		
Subject: Erosion control sock next to Rio Grande. Willow and shrub plantings took place to the right side of the view of the photograph.		



NMED/SWQB

**Official Photograph Log**

Photo # 4

Photographer: Sarah Holcomb	Date: 10-23-2012	Time: 1432 hours
City/County: Corrales/Sandoval County		
Location: Site 1G, near Corrales levy		
Subject: Vegetative buffer at edge of this site. Rio Grande is just a short distance on the other side of the brush.		



NMED/SWQB

**Official Photograph Log**

Photo # 5

Photographer: Sarah Holcomb	Date: 10-23-2012	Time: 1442 hours
City/County: Corrales/Sandoval County		
Location: Site 1G, near Corrales levy		
Subject: Native background vegetation. Erosion control sock was installed near the native vegetation to provide for a buffer along with the undisturbed vegetation.		

