



NEW MEXICO  
ENVIRONMENT DEPARTMENT



*Surface Water Quality Bureau*

SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

**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**

**Certified Mail – Return Receipt Requested**

DAVE MARTIN  
Secretary

BUTCH TONGATE  
Deputy Secretary

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

October 15, 2012

Bryan B. Marsh  
Marsh Homes, Incorporated  
101 Paseo Vista  
Santa Fe, New Mexico 87508

**RE:** Construction Storm Water, SIC 1521, NPDES Compliance Evaluation Inspection, Marsh Homes, Inc. / Florian Residence, Lot 70 Monte Sereno, NMR12A407, October 2, 2012

Mr. Marsh:

Enclosed, please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) conducted at a construction support activity site for which you may be an "operator" (see 2012 Construction General Permit (CGP), Definitions, Appendix A). 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 discussed in the checklist section of the report. You are encouraged to review the inspection report; and 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 regarding modifications and compliance schedules both the USEPA (Diana McDonald, USEPA (6EN-WM), 1445 Ross Avenue, Dallas, Texas 75202-2733) and the NMED Surface Water Quality Bureau Program Manager (at the address above).

I appreciate your, Francis Gingras and John Schumaker's cooperation during this inspection. If you have any questions about this inspection report, please contact me at 505-827-0418.

Sincerely,

*/s/ Erin S. Trujillo*

Erin S. Trujillo  
Surface Water Quality Bureau

cc: Rashida Bowlin, USEPA (6EN) by e-mail  
Hannah Branning, USEPA (6EN-WC) by e-mail  
Darlene Whitten-Hill, USEPA (6EN-WC) by e-mail  
Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail  
Diana McDonald, USEPA (6EN-WM) by e-mail  
Robert Italiano, NMED District II Santa Fe by e-mail



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	4	0	7	11	12	1	2	1	0	0	2	17	18 }	19 S	20 2
Remarks																							
C O N S T R U C T I O N < 1 A C R E																							
Inspection Work Days						Facility Evaluation Rating						BI	QA	Reserved									
67						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) Florian Residence at 3305 Monte Sereno, Santa Fe, NM 87505 (Lot 70 of the approximately 600-acre Monte Sereno residential subdivision). Santa Fe County	Entry Time /Date 1200 hrs / 10/02/2012	Permit Effective Date February 16, 2012
	Exit Time/Date 1545 hrs / 10/02/2012	Permit Expiration Date February 16, 2017
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) -Francis Gingras, Site Superintendent, Marsh Homes, Incorporated, 505-780-0077 -John D. Schumaker, Santa Fe Environmental Inc., 505-204-0067	Other Facility Data GPS <b>Latitude</b> 35.742140° <b>Longitude</b> -105.944950° <b>SIC 1521</b>	
Name, Address of Responsible Official/Title/Phone and Fax Number Bryan B. Marsh, Marsh Homes, Incorporated, 101 Paseo Vista, Santa Fe, NM 87508 / President / 505-989-7075 and fax 505-989-4139	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)

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

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

1. Marsh Homes, Incorporated, general contractor/builder, for the above-referenced construction activity on an individual single-family residential lot in a common plan of development greater than 1 acre submitted (signed/certified) a Notice of Intent (NOI) to obtain permit coverage under the USEPA 2008 Construction General Permit (CGP) on 07/18/2011 (NPDES Tracking No. NMR10HG55).
2. Marsh Homes, Incorporated did not have a complete (signed/certified) NOI to obtain permit coverage under the 2012 CGP on the day of this inspection. According to information from the EPA NOI Processing Center staffed by The Avanti Corporation, the NOI form (NPDES Tracking No. NMR12A407) was drafted and sent to the certifier for review and certification on 05/01/2012. The certifying official completed certification on 10/10/2012 following this inspection.
3. A Stormwater Water Pollution Prevention Plan (SWPPP), including site map, was made available, but the documentation was not complete (signed/certified) or updated for permit conditions of the 2012 CGP.
4. See checklist report and photo log.

Name(s) and Signature(s) of Inspector(s) <b>Erin S. Trujillo /s/Erin S. Trujillo</b>	Agency/Office/Telephone and Fax Numbers <b>NMED/SWQB/505-827-0418/505-827-0160</b>	Date <b>10/15/2012</b>
Signature of Management QA Reviewer <b>Richard E. Powell /s/Richard E. Powell</b>	Agency/Office/Telephone and Fax Numbers <b>NMED/SWQB/505-827-2798/505-827-0160</b>	Date <b>10/15/2012</b>

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

National Database Information		General	
Inspection Type	CEI	Inspector Name	Erin Trujillo
NPDES ID Number	NMR12A407	Telephone	505-827-0418
Inspection Date	10/02/2012	Entry Time	1200 hrs
Inspector Type (circle one)	EPA <input type="checkbox"/> State <input type="checkbox"/> EPA Oversight	Exit Time	1545 hrs
Facility Type (circle one)	Commercial / <input checked="" type="checkbox"/> Residential / Municipal / Industrial	Signature	/s/Erin S. Trujillo

Facility Location Information				
Name/Location/Mailing Address	Florian Residence at 3305 Monte Sereno, Santa Fe, NM 87505 (Lot 70 of the approximately 600-acre Monte Sereno resort and residential subdivision).			
Coordinates	Latitude	35.713056°	Longitude	-105.945556°
Receiving Waters	Unnamed tributaries, unclassified segment 20.6.4.97 NMAC, thence to the following with portions on tribal land, Rio Tesuque, then Pojoaque River, then Rio Grande.			
Disturbed Area	0.5 ac / 1.62 ac	Start/Stop Dates	07/13/2011 to 05/31/2014 (NOI form)	

Contact Information		
	Name(s)	Telephone
Name(s) and Role(s) of All Parties Meeting the Definition of Operator	Luis and Monica Florian–Owner/Operator Marsh Homes, Inc –Operator/Gen. Contractor	760-328-9791 505-989-7075
Facility Contact	Francis Gingras, Site Superintendent	505-989-7075
Authorized Official(s)	Bryan B. Marsh, President	505-989-7075

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

Basic Permit Information			Basic SWPPP Information		
Permit Coverage	Y	<input type="checkbox"/> 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 type="checkbox"/> N
Notice Posted (visible, font large, NPDES Permit tracking#, contact name & phone #) <i>Part 1.5</i>	<input checked="" type="checkbox"/> Y	N	SWPPP Implementation Satisfactory?	Y	<input type="checkbox"/> N
	NMR12A407	NMR10HG55		NMR12A407	NMR10HG55
NOI Date	After CEI	07/18/2011	SWPPP Date	Not Updated	07/06/2011
Is NOI Satisfactory?	Y	<input type="checkbox"/> N			

Additional Facility and Inspection Information ( <i>optional</i> )
The inspector, Ms. Trujillo, contacted Mr. Marsh by telephone upon arrival. Upon arrival of Mr. Gingras, the inspector made introductions, explained the purpose of the inspection and presented credentials. The inspector, Mr. Gingras, John Schumaker, Santa Fe Environmental Inc. and Mr. Marsh toured the site. The inspector provided a brief summary of preliminary findings following tour. This report is based on review of files maintained by eNOI processing center and NMED, on-site observation by NMED personnel, and verbal information provided by the Permittee on-site representatives.

## 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 type="checkbox"/> N	Plan prepared by Santa Fe Environmental Inc. was not signed/certified by the owner or Marsh Homes, Incorporated responsible corporate officer; or duly authorized representative of those persons. Authorization for the site superintendent to sign was not in SWPPP.
<b>SWPPP completed prior to NOI?</b> <i>Part 7.1.1, Part 1.2.1</i>	Y	N	NOI for 2012 CGP drafted, but not submitted (signed/certified) on day of this inspection.
<b>Endangered Species Act.</b> Does SWPPP include documentation supporting determination? <i>Part 7.2.14.1; Part 1.1.e, Appendix D</i>	Y	<input type="checkbox"/> N	NOIs indicated Criterion A. SWPPP stated, “ <i>Endangered Species Information None noted</i> ” and included undated list of T&E species. No description of site evaluation or info on critical habitat, if any, included in SWPPP.
<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	Not Applicable
<b>Post-Authorization Additions.</b> Does SWPPP include: ➤ Copy of acknowledgement letter <b>N</b> ➤ Copy of NOI <b>N</b> ➤ Copy of permit <b>Y (2008) / N (2012)</b> <i>Part 7.2.16.3</i>	Y	<input type="checkbox"/> N	Only included NMR10HG55 NOI confirmation prior to certification.
<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	Not Applicable
<b>If discharge to an impaired water, includes records of all data used to complete NOI:</b> ➤ List of all impaired waters Y/N ➤ Pollutant(s) for which the surface water is impaired Y/N ➤ Whether a TMDL has been approved or established Y/N <i>Part 3.2.1, Appendix I.15</i>	Y	N	Not Applicable
<b>Required SWPPP modifications completed?</b> ➤ Completed w/7 days <b>Not Documented</b> ➤ Maintains modification records showing dates, name of person authorizing change and summary <b>N</b> ➤ Signed/Certified <b>N</b> ➤ Immediately notified other operators <b>NA</b> <i>Parts 7.4, 5.2.2, Appendix I.11.b</i>	Y	<input type="checkbox"/> N	Site map indicated dumpster removed on 09/05/12. Date returned was not documented. Plan was not modified to describe measure(s) while control removed. Not updated for 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) <b>Y</b> ➤ Individual responsibilities <b>Y</b> <i>Part 7.2.1</i>	<input checked="" type="checkbox"/> Y	N	
<b>Is staff training documented?</b> ➤ Training occurs prior to the commencement of earth-disturbing activities or pollutant-generating activities, whichever occurs first <b>Y</b> ➤ Ensures following understand the requirements of this permit and their specific responsibilities: ○ Personnel responsible for the design, installation, maintenance, and/or repair of controls/measures <b>Y</b> ○ Personnel responsible for the application and storage of treatment chemicals <b>NA</b> ○ Personnel responsible for conducting inspections <b>Y</b> ○ Personnel responsible for taking corrective actions <b>Y</b> ➤ At a minimum, training includes: ○ Location of all stormwater controls on the site required by this permit, and how maintained <b>Not documented</b> ○ Proper procedures to follow with respect to the permit's pollution prevention requirements <b>Not documented</b> ○ When and how to conduct inspections, record applicable findings, and take corrective actions <b>Not documented</b> <i>Parts 7.2.13, 6 and permit notes for emergency-related construction activities</i>	Y	<input type="checkbox"/> N	Training (“all site workers know their SWPPP responsibilities” and “inform field personnel”) dates logged. Training for site superintendent was dated 6/28/2012. But, minimum training contents of 2012 CGP were not documented.
<b>Describes nature of construction activities?</b> ➤ Size of the property <b>Y</b> ➤ Total area to be disturbed <b>Y</b> ➤ Construction support activity areas <b>NA</b> ➤ Maximum area to be disturbed at any one time <b>NA</b> <i>Part 7.2.2</i>	<input checked="" type="checkbox"/> Y	N	
<b>If applicable, documents emergency-related projects?</b> ➤ Cause of public emergency 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	Not Applicable
<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 control <b>N</b> <i>Part 7.2.4</i>	Y	<input type="checkbox"/> N	Owner/operator not identified/listed

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

<p><b>Describes sequence, estimated dates (departures) and duration of construction activities?</b></p> <ul style="list-style-type: none"> <li>➤ Installation of control measures when operational <b>Y</b></li> <li>➤ Commencement/duration clearing &amp; grubbing, mass grading, site preparation (excavating, cutting &amp; filling), final grading, and creation of soil &amp; vegetation stockpiles <b>N</b></li> <li>➤ Cessation, temporarily or permanently, of construction activities on the site, or in designated portions of site <b>N</b></li> <li>➤ Final/temporary stabilization areas of exposed soil <b>N</b></li> <li>➤ Removal of temporary stormwater conveyances/channels and other stormwater control measures <b>N</b></li> <li>➤ Removal of construction equipment and vehicles <b>N</b></li> </ul> <p><i>Part 7.2.5</i></p>	Y	<input type="checkbox"/> <b>N</b>	<p>Not updated for all conditions of 2012 CGP. Included general sequence and some actual dates, but not duration.</p>
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## Industrial Storm Water Worksheet (Construction) – State of New Mexico

Site Map			Notes:
Includes legible site map(s)? <i>Part 7.2.6</i>	<input checked="" type="checkbox"/> Y	N	
<ul style="list-style-type: none"> <li>➤ Boundaries of the property <b>N</b></li> <li>➤ Locations construction activities will occur <b>Y</b></li> <li>➤ Locations earth-disturbing activities will occur (note any phasing) <b>Y</b></li> <li>➤ Approximate slopes before and after major grading (note steep slopes) <b>Y</b></li> <li>➤ Locations sediment, soil, or materials will be stockpiled <b>N</b></li> <li>➤ Locations of crossings of surface waters <b>NA</b></li> <li>➤ Designated points vehicles exit onto paved roads <b>Y</b></li> <li>➤ Locations of structures/impervious surfaces upon completion <b>Y</b></li> <li>➤ Locations of construction support activity areas <b>NA</b></li> </ul> <i>Part 7.2.6.1</i>	Y	<input checked="" type="checkbox"/> N	
<ul style="list-style-type: none"> <li>➤ Locations of surface waters/wetlands, within or in immediate vicinity <b>N</b></li> <li>➤ Indicates waters listed as impaired, and Tier 2, <del>Tier 2.5</del>, or Tier 3 <b>NA</b></li> </ul> <i>Part 7.2.6.2</i>	Y	<input checked="" type="checkbox"/> N	Tributary within property boundary not shown.
<ul style="list-style-type: none"> <li>➤ Boundary lines of natural buffers</li> </ul> <i>Parts 7.2.6.3, 2.1.2.1a</i>	<input checked="" type="checkbox"/> Y	N	
<ul style="list-style-type: none"> <li>➤ Areas of federally-listed critical habitat for endangered or threatened species</li> </ul> <i>Part 7.2.6.4</i>	Y	N	Not applicable/not documented, if any in SWPPP
<ul style="list-style-type: none"> <li>➤ Topography <b>Y</b></li> <li>➤ Existing vegetative cover <b>N</b></li> <li>➤ Drainage pattern of stormwater/authorized non-stormwater flow onto, over, and from site <u>before and after</u> major grading <b>Y</b></li> </ul> <i>Part 7.2.6.5</i>	Y	<input checked="" type="checkbox"/> N	
<ul style="list-style-type: none"> <li>➤ Stormwater and allowable non-stormwater discharge locations <b>N</b></li> <li>➤ Locations of storm drain inlets on site and immediate vicinity <b>Y</b></li> <li>➤ Locations stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands) on or near site <b>N</b></li> </ul> <i>Part 7.2.6.6</i>	Y	<input checked="" type="checkbox"/> N	Water access at property boundary (driveway) not identified or otherwise called out (e.g. legend). Tributary not shown.
<ul style="list-style-type: none"> <li>➤ Locations of potential pollutant-generating activities</li> </ul> <i>Part 7.2.6.7, Part 7.2.7</i>	<input checked="" type="checkbox"/> Y	N	
<ul style="list-style-type: none"> <li>➤ Locations of control measures</li> </ul> <i>Part 7.2.6.8</i>	<input checked="" type="checkbox"/> Y	N	
<ul style="list-style-type: none"> <li>➤ Locations polymers, flocculants, or treatment chemicals will be used/stored</li> </ul> <i>Part 7.2.6.9</i>	Y	N	Not applicable/not identified in SWPPP

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

Construction Site Pollutants			Notes:
<b>Includes pollutant-generating activities list and description?</b> <i>Part 7.2.7.1</i>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<b>Includes inventory of pollutants or constituents?</b> <ul style="list-style-type: none"> <li>➤ Inventory <b>N</b></li> <li>➤ Potential spills/leaks <b>Y</b></li> <li>➤ Departures from manufacturer’s specifications for applying fertilizers containing nitrogen &amp; phosphorus <b>NA</b></li> </ul> <i>Parts 7.2.7.2, 2.3.5.1</i>	Y	<input checked="" type="checkbox"/> N	
<b>Identifies all sources of allowable non-stormwater discharges?</b> <i>Parts 7.2.8, 1.3.d</i>	Y	<input checked="" type="checkbox"/> N	SWPPP stated, “No non-storm water discharges are anticipated.”
<b>If required (surface water w/50 feet of earth disturbance), documents and describes <u>buffer compliance alternative</u> selected?</b> <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 <b>Not documented</b></li> <li>➤ Uses velocity dissipation devices, if necessary <b>Y</b></li> <li>➤ Documents natural buffer width <b>N</b></li> <li>➤ Delineates, and clearly marks off, with flags, tape, or other similar marking device all natural buffer areas <b>N</b></li> <li>➤ Documents erosion and sediment control(s) used to achieve an equivalent sediment reduction <b>N</b></li> <li>➤ Documents any information relied upon to demonstrate equivalency <b>N</b></li> </ul> <i>Parts 7.2.9, 2.1.2, Appendix G</i>	Y	<input checked="" type="checkbox"/> N	Buffer limit shown on site map, but SWPPP did not include documentation or description of residential buffer compliance alternative for unnamed tributary.
<b>As applicable, describes and documents <u>buffer exceptions</u>?</b> <ul style="list-style-type: none"> <li>➤ Describes rationale/why infeasible to provide and maintain an undisturbed natural buffer of any size <b>NA</b></li> <li>➤ For linear project, describes buffer width retained and supplemental controls installed <b>NA</b></li> <li>➤ Small residential lot options <b>Not documented</b></li> <li>➤ Documents CWA Section 404 Permit, water-dependent structure/access disturbances <b>NA</b></li> </ul> <i>Parts 7.2.9; 2.1.2.1e, Appendix G</i>	Y	<input checked="" type="checkbox"/> N	See note above

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

All Stormwater Control Measures		Notes:
<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 <b>N</b></li> <li>➤ Specific sediment controls installed and made operational prior to conducting earth-disturbing activities <b>N</b></li> <li>➤ For exit points, stabilization techniques and any additional controls planned to remove sediment prior to vehicle exit <b>Y</b></li> <li>➤ For linear projects (if applicable), where/why it has been determined that the use of perimeter controls is practicable <b>NA</b></li> </ul> <p><i>Part 7.2.10.1</i></p>	<p>Y</p> <p><input type="checkbox"/> <b>N</b></p>	<p>A general list of BMPs included, but specific BMPs not checked or otherwise marked. No design, installation, or maintenance information included for wattle.</p>
Erosion and Sediment Controls		Notes:
<p><b>Minimizes <u>area of disturbance</u>?</b></p> <p><i>Part 2.1.1.1</i></p>	<p>Y</p> <p><input type="checkbox"/> <b>N</b></p>	<p>Not all areas disturbed, but methods to minimize area of disturbance not described.</p>
<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 <b>N</b></li> <li>➤ Accounts for nature of run-on and run-off (channelized peak flow rates &amp; total volume at outlet) <b>Y</b></li> <li>➤ Accounts for range of soil particle sizes (distribution, erosivity and cohesiveness) <b>N</b></li> <li>➤ Directs discharge to vegetated areas to increase sediment removal and infiltration unless infeasible <b>N</b></li> <li>➤ Uses velocity dissipation, if necessary <b>Y</b></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 <b>N</b></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 and flow velocities from pre-construction, pre-development conditions) <b>N</b></li> </ul> </li> </ul> <p><i>Parts 2.1.1.2, 9.4.1.1</i></p>	<p>Y</p> <p><input type="checkbox"/> <b>N</b></p>	<p>Not documented. See above notes on wattle. Site map (grading and drainage plan sheet) had runoff analysis information for pre- and post-development; but, not during construction. No soil loss calculations included.</p>

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

<p><b>Describes erosion and sediment control installation 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 <b>Y</b></li> <li>➤ Installs all other controls and makes operational as soon as conditions allow <b>Y</b></li> <li>➤ Uses good engineering practices and follows manufacturer’s specifications or explain departures <b>Not documented</b></li> </ul> <p><i>Part 2.1.1.3</i></p>	Y	<input type="checkbox"/> N	See previous notes on wattle design and installation
<p><b>Describes erosion and sediment control maintenance requirements?</b></p> <ul style="list-style-type: none"> <li>➤ Initiates fix immediately and completed by close of next work day (routine maintenance) <b>N</b></li> <li>➤ Installs new measure/significant repair no later than 7 calendar days or document why infeasible <b>N</b></li> </ul> <p><i>Part 2.1.1.4</i></p>	Y	<input type="checkbox"/> N	Described maintenance was not updated for effluent limitations in Part 2 of 2012 CGP.
<p><b>Installs perimeter controls 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>	Y	N	Y = Installs; N = Described maintenance was not updated for effluent limitations in Part 2 of 2012 CGP.
<p><b>Minimizes sediment track-out?</b></p> <ul style="list-style-type: none"> <li>➤ Restricts vehicle use to properly designated exit points? <b>Not described</b></li> <li>➤ Uses appropriate stabilization techniques at all points that exit onto paved roads? <b>N</b></li> <li>➤ Where necessary, uses additional measures to remove sediment prior to exit? <b>NA</b></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? <b>Not described</b></li> </ul> <p><i>Part 2.1.2.3</i></p>	Y	<input type="checkbox"/> N	Described maintenance was not updated for effluent limitations in Part 2 of 2012 CGP. Did not describe measures for small equipment access tracking observed on day of this inspection.
<p><b>Controls discharges from stockpiled sediment or soil?</b></p> <ul style="list-style-type: none"> <li>➤ Locates piles outside of buffers <b>N</b></li> <li>➤ Locates piles separate from stormwater controls <b>N</b></li> <li>➤ Uses temporary sediment barrier <b>N</b></li> <li>➤ Where practicable, provides cover or temporary stabilization <b>N</b></li> <li>➤ Does not hose down or sweep into stormwater conveyance unless connected to basin, trap, etc. <b>N</b></li> <li>➤ Contains and securely protects pile from wind? <b>N</b></li> </ul> <p><i>Part 2.1.2.4</i></p>	Y	<input type="checkbox"/> N	Not described/updated for effluent limitations in Part 2 of 2012 CGP.
<p><b>Minimizes dust?</b></p> <p><i>Part 2.1.2.5</i></p>	<input checked="" type="checkbox"/> Y	N	

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<b>Minimizes disturbance of <u>steep slopes</u>?</b> <i>Part 2.1.2.6</i>	Y	<input type="checkbox"/>	Not described/updated for effluent limitations in Part 2 of 2012 CGP
<b>Preserves <u>topsoil</u>, unless infeasible?</b> <i>Part 2.1.2.7</i>	Y	<input type="checkbox"/>	Not described/updated for effluent limitations in Part 2 of 2012 CGP or discussed if feasible
<b>Minimizes <u>soil compaction</u> where final vegetative stabilization or infiltration installed?</b> <i>Part 2.1.2.8</i>	Y	<input type="checkbox"/>	Not described/updated for effluent limitations in Part 2 of 2012 CGP
<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	<input type="checkbox"/>	Applicability of storm drain inlet requirements not documented. Described maintenance was not updated for effluent limitations in Part 2 of 2012 CGP. SWPPP and site map indicated that street wattle installed and removed—reason was not documented.
<b>Describes <u>constructed conveyance channel</u> controls (if installed)?</b> <i>Part 2.1.3.1</i>	Y	N	Not Applicable
<b>Describes <u>sediment basin design</u> (if installed) and maintenance (maintain at least ½ of capacity at all times)?</b> <i>Part 2.1.3.2</i>	Y	<input type="checkbox"/>	Check dam/pond dimensions shown on site map. But, described maintenance was not updated for effluent limitations in Part 2 of 2012 CGP.
<b>Describes <u>treatment chemical</u> controls (if used)?</b> <i>Part 2.1.3.3</i>	Y	N	Not applicable/use not identified in SWPPP
<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	Not applicable/use not identified in SWPPP
<b>Describes <u>dewatering</u> controls (if installed)?</b> <i>Part 2.1.3.4</i>	Y	N	Not applicable/need for dewatering not anticipated

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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) <b>N</b></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) <b>N</b></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 <b>N</b></li> <li>➤ Documents/describes circumstances beyond control that prevent meeting deadlines <b>N</b></li> <li>➤ If discharging to sediment or nutrient-impaired waters or Tier 2, <del>2.5</del> or 3 waters, completes stabilization (vegetative or non-vegetative) w/7 calendar days after temporary or permanent cessation <b>NA</b></li> </ul> <p><i>Parts 7.2.10.3, 2.2.1, 3, 9.4.1.3</i></p>	Y	<input type="checkbox"/> <b>N</b>	<p>Site map included list of post-development stabilization (e.g., roof &amp; portals, hardscape, driveway, terraced landscape areas, native soil). But, site specific stabilization deadline requirements not described.</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 <b>N</b></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 <b>N</b></li> </ul> <p><i>Parts 7.2.10.3, 2.2.2.a, 3, 9.4.1.4</i></p>	Y	<input type="checkbox"/> <b>N</b>	<p>Site specific final vegetative stabilization requirements (e.g., details on seed mixtures, application, maintenance, etc.) of remaining disturbed areas to be re-seeded with native grasses and/or wildflower, not described.</p> <p><u>Comment:</u> Residential construction only conditions described in SWPPP are not included in 2012 CGP.</p>

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<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	N	Intended use or applicability not described in SWPPP
<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>	<input checked="" type="checkbox"/>	N	
<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"/>	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"/>	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 <b>Y</b></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 <b>Y</b></li> <li>➤ Fuels, oils or other from vehicle and equipment O&amp;M <b>Y</b></li> <li>➤ Soaps, solvents, or detergents used in vehicle and equipment washing <b>Y</b></li> <li>➤ Toxic or hazardous substances from spill/release <b>Y</b></li> </ul> <p><i>Part 2.3.1</i></p>	<input checked="" type="checkbox"/>	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"/>	N	
<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 <b>Y</b></li> <li>➤ Washing of equipment and vehicles <b>Y</b></li> <li>➤ Storage, handling, disposal of materials, products and waste <b>Y</b></li> <li>➤ Washing applicators/containers <b>Y</b></li> </ul> <p><i>Part 2.3.3</i></p>	<input checked="" type="checkbox"/>	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	Not applicable/use not identified in SWPPP

## 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 <b>N</b></li> <li>➤ Inspection schedule <b>Y</b></li> <li>➤ Reduction of inspection frequency <b>NA</b></li> <li>➤ As applicable:                             <ul style="list-style-type: none"> <li>○ location of the rain gauge or the address of weather station to obtain rainfall data <b>N</b></li> <li>○ beginning and ending dates of the seasonally-defined arid period for your area or the valid period of drought <b>NA</b></li> <li>○ beginning and ending dates of frozen conditions <b>NA</b></li> </ul> </li> <li>➤ Inspection or maintenance checklists or other forms that will be used <b>Y</b></li> </ul> <p><i>Parts 7.2.12</i></p>	Y	<input type="checkbox"/> <input checked="" type="checkbox"/> Reductions not allowable/not described in SWPPP.
Inspections	Notes:	
<p><b>Inspections performed by “qualified” person?</b></p> <p><i>Part 4.1.1</i></p>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<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 <b>N</b></li> </ul> <p><i>Part 4.1.2</i></p>	Y	<input checked="" type="checkbox"/> Inspections recorded on 09/01/2011, 02/27/2012, 06/04/2012, 08/03/2012 and 09/17/2012 were greater than 14 days after the previous inspection on 08/15/2011 (17 days), 01/30/2012 (28 days), 05/09/2011 (26 days), 07/16/2012 (18 days), 08/20/2012 (28 days), respectively.
<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 <math>\geq 0.25</math>” rain event Y/N?</li> </ul> <p><i>Parts 4.1.3, 3.3.2.1, 3.3.2</i></p>	Y	<input type="checkbox"/> <input type="checkbox"/> Not Applicable
<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 <math>\geq 0.25</math>” 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>	Y	<input type="checkbox"/> <input type="checkbox"/> Reductions not allowable/not described in SWPPP.

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<p><b>Inspection areas includes:</b></p> <ul style="list-style-type: none"> <li>➤ All cleared, graded, excavated, and not completed stabilization <b>Y</b></li> <li>➤ All controls/measures <b>Not documented</b></li> <li>➤ Material/waste/borrow/equipment storage and maintenance areas <b>Y</b></li> <li>➤ All areas stormwater typically flows <b>Not documented</b></li> <li>➤ All points of discharge <b>Not documented</b></li> <li>➤ All locations stabilization implemented <b>NA</b></li> </ul> <p><i>Part 4.1.5</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>Inspection reports for 08/03/2012 and after did not document which BMPs inspected (portion of inspection form not completed).</p>
<p><b>Inspection includes minimum requirements?</b></p> <ul style="list-style-type: none"> <li>➤ Controls installed/operational <b>N</b></li> <li>➤ Determines need to replace, repair, or maintain <b>N</b></li> <li>➤ Conditions that could lead to spills, leaks, and accumulations of pollutants <b>Y</b></li> <li>➤ Identifies where new or modified controls are necessary <b>N</b></li> <li>➤ At points of discharge, checks for visible erosion/sedimentation on banks <b>N</b></li> <li>➤ Identifies noncompliance <b>N</b></li> <li>➤ If discharge is occurring: <b>Y (No Discharge)</b> <ul style="list-style-type: none"> <li>○ Identifies all points of discharge Y/N</li> <li>○ Observes/documents visual quality, including color, odor, floating, settled, or suspended solids, foam, oil sheen, and other of pollutants Y/N</li> <li>○ Documents whether controls operating effectively, and describes controls not operating as intended or need maintenance Y/N</li> </ul> </li> <li>➤ Based on results of inspection, initiates corrective action under Part 5. <b>Not documented</b></li> </ul> <p><i>Part 4.1.6</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>See note above.</p> <p>Repeated sweeping and oil stains identified, but need for new or modified controls not.</p> <p>Posting of 2008, but not 2012 CGP NPDES Tracking Number not identified.</p> <p>See corrective action notes below.</p>
<p><b>Inspection reports:</b></p> <ul style="list-style-type: none"> <li>➤ Completed within 24 hrs <b>Y</b></li> <li>➤ Includes inspection date <b>Y</b></li> <li>➤ Includes names/titles of personnel <b>Y</b></li> <li>➤ Includes summary of findings <b>Y</b></li> <li>➤ Includes applicable rain gauge reading <b>Y</b></li> <li>➤ Signed and certified in accordance with Appendix I.11 <b>N</b></li> </ul> <p><i>Part 4.1.7.1 and 2</i></p>	Y	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<p>The 07/02/2012 inspection report was not signed/certified. Authorization for inspection staff (by name or position) of Santa Fe Environmental Inc. and site superintendent to sign reports was not included in SWPPP.</p>

## 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	<input type="checkbox"/> N	<p>Since May 16, 2012, only one corrective action report dated 07/02/2012 was completed which listed repair and maintenance identified in 07/02/2012 inspection report (“fix wattle in back”, “tarp for dumpster” and “cover sand in front”). But date completed was not documented.</p>
<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 <b>Y</b></li> <li>➤ Nature of the condition identified <b>Y</b></li> <li>➤ Date and time of the condition identified and how it was identified <b>Y</b></li> </ul> <p><i>Part 5.4</i></p>	<input type="checkbox"/> Y	N	<p>Information on Inspection Reports.</p>
<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 <b>N</b></li> <li>➤ Summary of stormwater control modifications taken or to be taken <b>N</b></li> <li>➤ Schedule of activities necessary to implement changes <b>N</b></li> <li>➤ Date the modifications are completed or expected to be completed <b>N</b></li> <li>➤ Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action <b>N</b></li> <li>➤ Signed and certified in accordance with Appendix I.11 <b>N</b></li> </ul> <p><i>Parts 5.4.2, 5.4.3</i></p>	Y	<input type="checkbox"/> N	<p>Since May 16, 2012, the 07/02/2012 corrective action report was not signed/certified. Authorization for inspection staff (by name or position) of Santa Fe Environmental Inc. and site superintendent to sign reports was not included in SWPPP.</p> <p>The 08/06/2012 inspection report indicates maintenance required (“need dumpster cover” and “clean up concrete (word illegible) washout.” Corrective action within 7 calendar days was not documented.</p> <p>It had not been 24 hours since the inspection report from the day before on 10/01/2012 indicated dumpster and wattle removed. Neither the 10/01/2012 inspection report nor information provided by the on-site representatives indicated what corrective action was initiated immediately (e.g., temporary stabilization measures for stockpiles, modification of plan to describe measure(s) for waste and un-stabilized areas while controls removed, determine date/time for dumpster to be replaced, etc.).</p>

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

### Additional Notes on SWPPP Review (*optional*)

Notice of Intent/Posted Sign/Post-Authorization Additions: A notice was posted that contained contacts and NPDES Tracking Number NMR10HG55. There was no documentation in the SWPPP on the day of this inspection (e.g., screen prints, e-mails, or other communication records with the USEPA processing center) that the eNOI to obtain permit coverage under the 2012 CGP was submitted/signed/certified.

This inspector obtained a copy of an incomplete 2012 NOI form (Status: Pending Certification) from USEPA's NOI processing center following this inspection and forwarded it to the operator representatives on October 10, 2012. The incomplete 2012 NOI form information on receiving waters was incorrect. Stormwater discharges to unnamed tributaries, then to the Rio Tesuque (not Santa Fe River as indicated on the incomplete form). Also, the estimated project start date for this existing project was incorrectly stated to be 05/31/2012 on the incomplete form.

According to information requested by this Inspector from the EPA NOI Processing Center staffed by The Avanti Corporation, the NOI form (NPDES Tracking No. NMR12A407) was drafted and sent to the certifier for review and certification on 05/01/2012. Certification was not completed by a Marsh Homes, Incorporated certifying official until 10/10/2012. According to the EPA NOI Processing Center, the NOI was not certified prior to this inspection.

## 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>	<p><i>(Provide brief description)</i></p> <p>Not all portions of the property were disturbed—disturbance had been minimized. Areas were not delineated with flag, tape or other controls.</p>
<b>Buffer compliance:</b>	<p><i>(e.g., provide and maintain a 50-foot undisturbed natural buffer)</i></p> <p>Portion of site adjacent to tributary was not disturbed. Areas were not delineated with flag, tape or other controls.</p>
<b>Perimeter controls:</b>	<p><i>(e.g., filter berms, silt fences, temporary diversion dikes)</i></p> <p>Raised curb appeared to provide some perimeter control along paved street, except where some accumulated sediment was observed on the paved street at an access point for small equipment and workers. No other perimeter control observed on slopes behind residential structure.</p>
<b>Exit point or sediment track out:</b>	<p><i>(e.g., aggregate stone with an underlying geotextile or non-woven filter fabric, or turf mats, wheel washing, rumble strips, plates, sweeping)</i></p> <p>Gravel located at the vehicle entrance (driveway) had accumulated sediment and did not appear to be installed or maintained as described in plan or the plan had not been modified. Installation information in SWPPP indicated “<i>establish stabilized construction entrance...5” deep and 50-60’ in length</i>” had occurred on 07/14/11. Some accumulated sediment and tracking was observed at the vehicle entrance.</p>
<b>Stockpiled sediment or soil:</b>	<p><i>(e.g., berms, dikes, fiber rolls, silt fences, sandbag, gravel bags)</i></p> <p>Temporary control (wattle) had been removed below stockpiles. Not all flow from stockpiles would be toward on-site check dam/ponds. No temporary stabilization observed for sediment stockpiles while controls removed.</p>

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<b>Minimize dust:</b>	<p><i>(e.g., application of water or other dust suppression techniques)</i></p> <p>No substantial dust generation observed.</p>
<b>Steep slopes:</b>	<p><i>(e.g., standard erosion and sediment control practices, phasing disturbances, stabilization practices)</i></p> <p>Slopes outside pond were not stabilized. No erosion rills or gullies had formed on pond slopes.</p>
<b>Preserve topsoil:</b>	<p><i>(e.g., stockpiling or transfer of topsoil to other locations)</i></p> <p>No topsoil stockpiles were signed or otherwise delineated. Although it was not documented in SWPPP, it may not have been feasible to preserve topsoil since this was an existing project when the 2012 CGP became effective.</p>
<b>Soil compaction:</b>	<p><i>(e.g., restrict vehicle / equipment use, soil conditioning techniques)</i></p> <p>Although it was not documented in SWPPP, few areas on site remained to restrict vehicles (i.e., vehicle access, except for small equipment, was restricted by structures).</p>
<b>Storm drain inlet protection:</b>	<p><i>(e.g., fabric filters, sandbags, concrete blocks, gravel barriers)</i></p> <p>No storm drain inlet protection observed. Site map indicated that street wattle removed 09/16/2012—reason was not documented. On-site inlet(s) to PVC pipe had outlet at sediment pond (not directly to a surface water); therefore, Part 2 of 2012 CGP storm drain inlet protection would not be required.</p>
<b>Conveyance channels:</b>	<p><i>(e.g., erosion controls, and velocity dissipation check dams, sediment traps, riprap, or grouted riprap at outlets)</i></p> <p>No open constructed conveyance channels observed. Inlet to PVC pipe would convey stormwater to sediment pond. Outlet of PVC pipe was above portion of pond stabilized with cobble.</p>
<b>Sediment basin:</b>	<p><i>(e.g., outlet structures that withdraw from the surface, , kept at least ½ design capacity)</i></p> <p>Sediment ponds which may also act as velocity dissipation were stabilized with cobble rock. Some accumulated sediment was in pond, but freeboard more than ½ constructed capacity observed.</p>

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

<b>Erosion and Sediment Control Practices - Continued</b>	
<b>Treatment chemicals:</b>	<p><i>(e.g., spill berms, decks, spill containment pallets, storing chemicals in covered area, spill kit available on site)</i></p> <p>No use or storage of treatment chemicals observed. Spill kit location labeled on SWPPP.</p>
<b>Dewatering:</b>	<p><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></p> <p>No dewatering observed.</p>
<b>Other erosion and sediment controls or practices:</b>	<p><i>(Provide brief description)</i></p> <p>A small area of erosion was observed near fill stockpile, but erosion did not continue past the location where wattle had been installed as described by on-site representatives. Some accumulated sediment was observed in swale below this location; therefore, it still appeared that temporary control measures (e.g., additional or re-installed silt fence) would be needed until all areas stabilized.</p>
<b>Stabilization Practices Part 2.2</b>	
<b>Stabilization:</b>	<p><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></p> <p>Building construction (including roof &amp; portals, walkways, graveled driveway) and remaining native vegetation) observed. Inside of ponds stabilized, but outside slope was not.</p>
<b>Are stabilization measures initiated immediately? <b>NA</b> Are they completed within 14 days of construction cessation? <b>NA</b></b>	<p><i>(e.g. indicate “yes” or “no”; if not within 14 days of construction cessation, how long without stabilization measures?)</i></p> <p>Some disturbance outside walled areas existed. Construction appeared active in these areas.</p>
<b>Pollution Prevention Measures Part 2.3</b>	
<b>Fueling and maintenance of vehicles:</b>	<p><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></p> <p>No fueling or maintenance of vehicles observed. But, oil stains observed on paved street appeared to be from construction vehicles parked at job site. Based on the numerous stains and notes on inspection reports, un-maintained vehicles had been a continued problem.</p>

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

<b>Washing equipment &amp; vehicles:</b>	<p><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></p> <p>No washing of equipment or vehicles; or on-site storage of soaps, detergents, or solvents observed.</p>
<b>Washing applicators/containers (e.g., stucco, paint, concrete, form release oils, curing compounds, and other construction materials)</b>	<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>No active concrete pour observed on day of this inspection. According to on-site representatives, a concrete washout previously existed on site and was indicated on the site map to have been installed on 7/25/2011 and removed 7/14/2012.</p> <p>Some material compound (grout) wash out was observed on the ground in the northern portion of the site. This material was not removed as described in SWPPP. SWPPP stated, “...debris will be removed from grade and placed when dry or bagged into a designated dumpster.”</p> <p>According to on-site representatives, additional use of compounds and washing may be required. Control measures (e.g., SWPPP indicated a small washout basin) would need to be re-installed prior to this activity.</p>
<b>Storage, handling, disposal of construction materials, products and waste:</b>	<p><i>Building products (e.g., asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures):</i></p> <p>Some materials were stored in sheltered areas (garage) or under tarps.</p>
	<p><i>Pesticides, herbicides, insecticides, fertilizers, and landscape materials:</i></p> <p>No pesticides, herbicides, insecticides or fertilizer observed.</p>
	<p><i>Diesel fuel, oil, hydraulic fluids, other petroleum products, and other chemicals:</i></p> <p>No fueling observed on site.</p>
	<p><i>Hazardous or toxic waste (e.g., paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids):</i></p> <p>No spills or leaks observed.</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>Some materials were stored in sheltered areas (garage) or under tarps. Little windblown trash was observed on the day of this inspection. SWPPP stated, “Trash and litter must be collected and placed in covered dumpsters.” No dumpster was observed on site during this inspection. The 10/01/2012 inspection report indicated that the trash dumpster was hauled off.</p>

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

	<p><i>Sanitary waste:</i></p> <p>Staked portable toilet on site appeared to be located outside vehicle traffic areas.</p>
<b>Fertilizer application:</b>	<p>(e.g., avoids applying before heavy rains, never applies to frozen ground, never applies to conveyance channels with flowing water)</p> <p>Use of fertilizer not described in SWPPP. None observed.</p>
<b>Miscellaneous</b>	
<b>Evidence of not allowable non-storm water discharges or prohibited discharge?</b>	<p><i>(Provide brief description and determine whether any non-storm water discharges allowable)</i></p> <p>None observed.</p>
<b>Evidence of sediment deposition to surface waters or MS4?</b>	<p><i>(e.g. significant turbidity observed in a receiving water body)</i></p> <p>None observed at tributary within property boundary.</p>

<b>NMED/SWQB            Official Photograph Log            Photo # 1</b>		
Photographer: Erin Trujillo	Date: 10/02/2012	Time: 1210 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Lot 70, Monte Sereno, Santa Fe, NM		
Subject: Some sediment was tracked out onto paved street. Oil staining on pavement appears to be from construction vehicles and/or worker private vehicles parked at job site.		



<b>NMED/SWQB            Official Photograph Log            Photo # 2</b>		
Photographer: Erin Trujillo	Date: 10/02/2012	Time: 1217 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Lot 70, Monte Sereno, Santa Fe, NM		
Subject: Gravel at vehicle entrance had accumulated sediment and did not appear to be maintained as described in SWPPP (e.g., depth of rock, size).		



<b>NMED/SWQB            Official Photograph Log            Photo # 3</b>		
Photographer: Erin Trujillo	Date: 10/02/2012	Time: 1236 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Lot 70, Monte Sereno, Santa Fe, NM		
Subject: Unstabilized fill stockpile. Wattle below this stockpile had been removed according to on-site representatives. There was no sediment pond or other control directly below this area.		



<b>NMED/SWQB            Official Photograph Log            Photo # 4</b>		
Photographer: Erin Trujillo	Date: 10/02/2012	Time: 1239 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Lot 70, Monte Sereno, Santa Fe, NM		
Subject: One of two sediment ponds installed 07/14/2011 according to the site map. No erosion features on side slopes of this pond were observed, but the slopes were not stabilized.		



NMED/SWQB Official Photograph Log Photo # 5		
Photographer: Erin Trujillo	Date: 10/02/2012	Time: 1244 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Lot 70, Monte Sereno, Santa Fe, NM		
Subject: Material compound wash out on ground had not been removed and properly disposed. No designated wash out control existed on day of this inspection.		

