NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

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DAVE MARTIN
Secretary

BUTCH TONGATE
Acting Deputy Secretary

Certified Mail – Return Receipt Requested

September 30, 2011

Dale L. Armstrong, President
T L C Company, Inc.
5000 Edith Blvd NE
Albuquerque, New Mexico 87107

RE: Construction Storm Water, SIC 1611, NPDES Compliance Evaluation Inspection, T L C Company, Inc. / Las Soleras and Beckner Road Extension, NMR10GB25, August 24, 2011

Dear Mr. Armstrong:

Enclosed, please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) conducted at a construction site for which you may be an "operator" (see 2008 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 worksheet inspection 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).

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: Marcia Gail Adams, USEPA (6EN-AS) by e-mail
Darlene Whitten-Hill, USEPA (6EN) by e-mail
Samuel Tates, USEPA (6EN-AS) 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
Jim W. Jordan, P.E., Project Manager, Jordan Engineering, L.L.C. 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 0 G B 2 5 11 12	1 1 0 8 2 4 17 18	} 19	S 20	2

Remarks

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

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

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time /Date	Permit Effective Date
Las Soleros and Beckner Road Extension construction activity. From NM 14 (approximately 8500 Cerrillos Road, Santa Fe, New Mexico), turn east on existing Beckner Road to construction site entrance. Santa Fe County	0850 hours / 08/24/2011	06/30/ 2008 (2008 CGP)
	Exit Time/Date 1545 hours / 08/24/2011	Permit Expiration Date 02/15/ 2012 (2008 CGP)

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)
-James (Jim) W. Jordan, P.E., Project Manager, Jordan Engineering, L.L.C. / 505-280-2823
-Dale Mitchell, Department Manager, T L C Company, Inc. / 505-761-9696
-Grant Morrison, Inspections Plus, Inc., Albuquerque, New Mexico / 505-489-5077
-Albert LaFebre, Project Manager, Zia Rising Construction Management / 505-998-9096

Other Facility Data
Entrance at Beckner Road (Goggle Earth)
Latitude 35.612695°
Longitude -106.030860°

SIC 1611 (Primary)

Name, Address of Responsible Official/Title/Phone and Fax Number
Dale L. Armstrong, T L C Company, Inc., 5000 Edith Blvd NE
Albuquerque, New Mexico 87107 / President / 505-761-9696

Contacted
Yes [ ] No [*]

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**
U	**Facility Site Review**	N	**Compliance Schedules**	N	**Pretreatment**	N	**Multimedia**
N	**Effluent/Receiving Waters**	N	**Laboratory**	U	**Storm Water**	N	**Other:**

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

1. Owner/Developer - The Crossing, LTD. CO. (terminated NPDES Tracking No. NMR15G093) & Beckner Road Equities, Inc. (active NPDES Tracking No. NMR10GR54); Current General Contractor - T L C Company, Inc. (active NPDES Tracking No. NMR10GB25); Contractor - Enviroworks, LLC (active NPDES Tracking Nos. NMR15FD35 & NMR10HC47).

2. Each owner/operator will receive CEI report(s) under separate EPA 3560 forms.

3. See attached further explanations, worksheet with notes and photo log.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Erin S. Trujillo */s/Erin S. Trujillo*	**NMED/SWQB/505-827-0418/505-827-0160**	**09/30/2011**
Signature of Management QA Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
Richard E. Powell */s/Richard E. Powell*	**NMED/SWQB/505-827-2798/505-827-0160**	**09/30/2011**

T L C Company, Inc.
Los Soleras and Beckner Road Extension
NPDES Tracking No. NMR10GB25
August 24, 2011

Further Explanations

Introduction

On August 24, 2011, a Compliance Evaluation Inspection (CEI) was conducted by Erin S. Trujillo, accompanied by Daniel Valenta, both of the NMED SWQB, at the Las Soleras construction site following observations of erosion and damaged silt fence at Arroyo de los Chamisos in Santa Fe, New Mexico. Las Soleras master plan includes mixed residential, commercial and other uses on approximately 550 acres generally between I-25 on the south, Cerrillos Road on the west, Richards Avenue on the east and Governor Miles on the north. Construction activities associated with Las Soleras common plan of development include, but were not limited to, Beckner Road extension; Cerrillos Road intersection work at the planned Las Soleras Drive and Crossing at Chamiso to provide access to the development; and construction in the Arroyo de los Chamisos floodplain (storm sewer outfall and rip rap flood wall).

Stormwater discharges off-site to the City of Santa Fe Municipal Separate Storm Sewer Systems or MS4 (drop inlet at the corner of Beckner Road and Cerrillos Road) and on-site to unnamed tributaries and Arroyo de los Chamisos, thence to Arroyo Hondo, thence to Cienega Creek, thence to Santa Fe River, thence to Rio Grande. Both Cienega Creek approximately 5 miles southwest and Santa Fe River (non-pueblo Cochiti Reservoir to Paseo del Canon) approximately 8 miles southwest of the construction site are in segment 20.6.4.113 State of New Mexico Standards for Interstate and Intrastate Surface Waters, New Mexico Administrative Code (NMAC) with designated uses of irrigation, livestock watering, marginal coldwater aquatic life, secondary contact, warmwater aquatic life, and wildlife habitat. This segment of the Santa Fe River does not support marginal coldwater aquatic life and has a Total Maximum Daily Load for sedimentation/siltation and turbidity.

Upon arrival at approximately 0850 hours on the day of the inspection, the inspector contacted Gordon L. (Skip) Skarsgard, Managing Member, Beckner Road Equities, Inc. by telephone and briefly explained the purpose of the inspection. The inspector made introductions, explained the purpose of the inspection and presented credentials to James W. Jordan, P.E., Project Manager, Jordan Engineering, L.L.C. and Dale Mitchell, Project Superintendent, T L C Company, Inc. A representative for Enviroworks, LLC was not on site. On-site representatives were not immediately available for a tour. With approval from Mr. Jordan, the inspectors toured the site. Mr. Jordan was present during portions of the inspection. An additional site tour of Las Soleras construction and support activity areas was conducted and preliminary findings were discussed with Grant Morrison, Inspections Plus, Inc., Albuquerque, New Mexico. The inspectors left the site at approximately 1545 hours on the day of this inspection. Preliminary findings were discussed by telephone with Mr. Jordan and Mr. Mitchell on August 25 and Mr. N. Sean Grossetete, Managing Member, Enviroworks, LLC on August 26, 2005.

This report is based on a review of USEPA online notice of intent (eNOI) database, review of files maintained by the permittees and NMED, on-site observation by NMED personnel, and verbal information provided by permittees' on-site representatives. Additional information was obtained from on-line web sites, including www.lassoleras.com, www.wunderground.com, City of Santa Fe on-line maps, and State of New Mexico Public Regulatory Commission on-line corporation queries. Based on information from on-site representatives, other land owners of parcels in Las Soleras are not operators of construction and support activities at this time.

According to the permittee on-site representatives, Las Soleras site development had multiple planned starts and mobilization, but no disturbance occurred prior to the date on inspection reports in the multiple plan stormwater pollution prevention plan (SWPPP) document which was 08/21/2008. Changes to the alignment of planned roads in the development has also occurred. The following table provides a timeline of the permittees' Notice of Intents (NOIs), Notice of Termination (NOT)s and SWPPPs for the Las Soleras common plan of development.

Timeline

Date	Estimated Acres	Notes
05/27/2008	1st SWPPP 175 acres 20 acres disturbed	1st SWPPP prepared for Beckner Road/Las Soleras , but not complete (signed/certified). 1st SWPPP stated, *"Beckner Rd/Las Soleras is a road cutting and paving project in Santa Fe. Construction activities will include installation of erosion controls, clearing and grading of the roadway site; excavation and backfill for installation of utilities; surfacing the road; installing curbs & gutters and stabilizing road cut areas."*
08/13/2008 & 08/14/2008		1st SWPPP completed (signed/certified) by Gordon L. Skarsgard, President, Beckner Road Equities, Inc. and Nugget S. Grossetete, Member Manager, Enviroworks, LLC, respectively.
11/04/2008		SWPPP completed (signed/certified) by Dale Mitchell, Department Manager for T L C Company, Inc., dba T L C Plumbing & Utility.
12/15/2008	NOI NMR10GB25 20 acres disturbed	Jerry Jones, Project Manager signed/certified an NOI for Beckner Road at Las Solenas (sic) for T L C Company, Inc., dba TLC Plumbing Utilities (Tracking No. NMR10GB25) for permit coverage under the 2008 CGP.
03/03/2009	2nd SWPPP 175 acres 20% disturbed (i.e., ~35 acres)	2nd SWPPP was not signed/certified. 2nd SWPPP stated, *"Construction activities will consist of importing material to screen for rip rap and building a flood wall along the north side of the arroyo. An existing sediment pond will be the main BMP. Imported material will be bermed along the arroyo on the east half of the northern area which will direct flows toward the sediment basin on the west. Silt fence will be placed along the arroyo on the west half. Rip Rap check dams are to be placed up and down stream of the arroyo crossing."*
05/08/2009	SWPPP Amendment 175 ac 75 ac disturbed	SWPPP Amendment 2 was not signed/certified. SWPPP Amendment 2 stated, *"Beckner Road/Las Soleras is a site development in Santa Fe. This is the 2nd amendment to the SWPPP for this location. Construction activities will consist of cutting a temporary road on the property, installing BMP's (sic) along low areas and arroyos and moving soil in the NW part of the site to the pond. This existing sediment pond will be the main BMP until it is modified. Imported material will be bermed along the arroyo on the east half of the northern area which will direct flows toward the sediment basin on the west. Silt fence will be placed along the arroyo on the west half. Rip Rap check dams and wattles are to be placed up and down stream of the arroyo crossing."*
08/24/2009	SWPPP Amendment 175 ac 80 ac disturbed	SWPPP Amendment 3 was not signed/certified. SWPP Amendment 3 stated, *"Beckner Road/Las Soleras is a site development in Santa Fe. This is the 3rd amendment to the SWPPP for this location. Construction activities will consist of cutting new roads on the property, installing BMP's (sic) along low areas and arroyos and moving soil in the NM part of the site to the pond. This existing sediment pond will be the main BMP until it is modified. Imported material will be bermed along the arroyo on the east half of the northern area which will direct flows toward the sediment basin on the west. Silt fence will be placed along the arroyo on the west half. Rip Rap check dams and wattles are to be placed up and down stream of the arroyo crossing."*
08/24/2009	SWPPP 175 ac 80 ac disturbed	SWPPP Amendment 3 was not signed/certified.
11/03/2009	NOI NMR10GR54 20 acres disturbed Beckner Road/FEMA	Gordon Skarsgard, Beckner Road Equities, Inc. submitted an NOI for Beckner Road and floodplain work described as "FEMA" project on 11/03/2009 (Tracking No. NMR10GR54) for permit coverage under the 2008 CGP.
04/08/2011	NOI NMR10HC47 100 acres disturbed	N. Sean Grossetete, Enviroworks, LLC signed/certified an NOI for Los Soleras (sic) on 04/08/2011 (Tracking No. NMR10HC47) to obtain permit coverage under the 2008 CGP.

Construction and Support Activities observed on the day of this CEI

North and west of Arroyo de los Chamisos stream, active utility work was occurring along the road grading for Las Soleras Drive east of Cerrillos Road on the day of this inspection. Cerrillos Road intersection and signal work had been conducted at Las Soleras planned roads (Las Soleras Drive and Crossing at Chamiso). A low water crossing at the Arroyo de los Chamisos stream and the planned Crossing at Chamiso was used by construction vehicles.

A construction trailer and material storage yard, including water tank existed east of the construction entrance at Beckner Road. Grading for Crossing at Chamiso, Beckner Road and other access roads for construction and support activities had been conducted. Storm sewer along Beckner Road had been installed with an outfall at the Arroyo de los Chamiso stream. Except for one location discussed below, temporary riser pipe had been installed at future drop inlets.

A trail in the southwest corner of the site, which had existed prior to construction activities, had been re-bladed or graded. This unpaved road was used by construction vehicles to access Beckner Road, Arroyo de los Chamiso stream, fill stockpiles in the floodplain, and the Crossing at Chamiso.

Grading for the extension of Beckner Road continued east of the construction entrance for approximately 3,500 feet. East of the intersection at Crossing at Chamiso, grading for Beckner Road generally followed an above-ground power line and associated access road existing prior to construction. South of grading for Beckner Road to the I-25 highway corridor, the area was disturbed and unvegetated to approximately 1,500 feet east of the construction yard.

East of the intersection at Crossing at Chamiso near the end of the grading to extend Beckner Road, a road had been staked and bladed/graded north toward Arroyo de los Chamiso stream. Further east of this area and south of the above-ground power line and access road to the I-25 highway corridor, disturbance associated with an access road and borrow areas were observed. Another road had been bladed/graded at the eastern edge of the borrow area north toward Arroyo de los Chamiso stream.

T L C Company, Inc. (NPDES Tracking No. NMR10GB25) Findings

NOI Date 12/15/2008 SWPPP Date 11/04/2008

T L C Company, Inc., dba TLC Plumbing Utilities, NOI submitted 12/15/2008 (Tracking No. NMR10GB25) was not signed by a responsible corporate officer (a condition of permit coverage--see Appendix G.11.A.1 of the 2008 CGP). Based on information on written inspection reports in SWPPP, T L C Company, Inc. did not submit an NOI to obtain permit coverage before construction activities to install utilities started on 11/25/2008.

See additional findings in attached worksheet with notes and photo log.

NPDES Industrial Storm Water Worksheet (Construction)

National Database Information				General	
Inspection Type	Compliance Evaluation Inspection			Inspector Name	Erin S. Trujillo
NPDES ID Number	NMR10GR54, NMR10GB25, NMR10HC47			Telephone	505-827-0418
Inspection Date	08/24/2011			Entry Time	0850 hours
Inspector Type *(circle one)*	EPA	[State]	EPA Oversight	Exit Time	1545 hours
Facility Type *(circle one)*	[Commercial] /Industrial	Residential	Municipal	Signature	*/s/Erin S. Trujillo*

Facility Location Information					
Name/Location/ Mailing	Las Soleras and Beckner Road Extension (northeast corner of Cerrillos Road and Beckner Road), Santa Fe, New Mexico				
GPS Coordinates	Latitude	35.612695°	Longitude	-106.030860°	
Receiving Water(s)	Santa Fe MS4 and Arroyo de los Chamisos thence Arroyo Hondo thence Cienega Creek thence Santa Fe River (20.6.4.113 NMAC) in the Rio Grande Basin.				
Disturbed Area	~ 100 Acres Enviroworks NOI	Start Date	8/21/2008	Stop Date	Not Documented / Not Updated in SWPPP

Contact Information		
	Name(s)	Telephone
Name(s) and Role(s) of All Parties Meeting the Definition of Operator	Beckner Road Equities, Inc.-owner/developer T L C Company, Inc.-operator/current gen. contractor Enviroworks, LLC-operator/contractor	505-262-2323 505-761-9696 505-286-4891
Facility Contact	James (Jim) W. Jordan, P.E., Project Manager, Jordan Engineering, L.L.C	505-280-2823
Authorized Official(s)	Gordon L. Skarsgard, Beckner Road Equities, Inc. Dale L. Armstrong, T L C Company, Inc N. Sean Grossetete, Enviroworks, LLC	505-262-2323 505-761-9696 505-286-4891

Site Information: *(circle all that apply)*							
Nature of Project	[Residential]	[Commercial/ Industrial]	Roadway	[Private]	Federal	State/ Municipal	Other
Construction Stage	Clearing/ Grubbing	[Rough Grading]	[Infrastructure]	Building Const.	Final Grading	Final Stabilization	

Basic Permit Information			Basic SWPPP Information		
Permit Coverage *ESO Element 3 & 4*	[Y]	N	SWPPP Prepared & Available *ESO Element 5 & 30*	[Y]	N
Permit Type	[General]	Individual	SWPPP Contents Satisfactory *ESO Elements 5 - 31*	Y	[N]
Permit notice/sign visibly posted including: copy of NOI, contact name & phone number, location of SWPPP *ESO Element 41*	Y	[N]	SWPPP Implementation Satisfactory *ESO Elements 32 - 48*	Y	[N]
NOI Date	See Further Explanations		SWPPP Date	See Further Explanations	
If applicable, is waiver certification & approval on file?	Y	N	*Intentionally left blank*		

NPDES Industrial Storm Water Worksheet (Construction)

SWPPP Review *(can be completed in office)*			
General			**Notes:**
Is there a SWPPP? *ESO Element 4*	☒ Y	N	
SWPPP completed prior to NOI submission? *ESO Element 5*	☒ Y	N	
Copy of permit language? *ESO Element 24*	Y	☒ N	2003 CGP, but not 2008 CGP
Is SWPPP consistent with state/tribal/local regulations and permits? *ESO Element 25*	☒ Y	N	Comment: State conditions of certification are in Part 10 of the 2008 CGP. RUSLE 2 Profile Erosion Calculation Records updates for wattles along length of road were contained in SWPPPs. But, it was not further described how inputs (e.g., slope length and average slope steepness) would remain the same for each addition/amendment to the construction activity. Various elevation changes and lengths of disturbance associated with the observed road grading and other disturbance was observed on the day of this inspection. Also, gaps in structural control measures along Arroyo de los Chamisos were observed. Description of contouring measures during construction (input of calculation) was not contained in SWPPP.
SWPPP updated to incorporate changes to State, Tribal, Local erosion plans? *ESO Element 26*	☒ Y	N	See comments above.
Have copies of inspection reports/all other documentation been retained as part of the SWPPP for 3 years from date permit coverage expires? *ESO Element 27*	Y	☒ N	No NOI for Enviroworks, LLC NMR15FD35 or NMR10HC47
Is a copy of the SWPPP on site or made available? *ESO Element 29*	☒ Y	N	Site Maps used during inspections--"Current Maps"--not immediately available and were brought to site during this inspection.
Did all "operators" sign/certify the SWPPP? *ESO Element 30*	Y	☒ N	Amendments not signed.. 1st SWPPP was not completed by a responsible corporate official or duly authorized agent of T L C Company, Inc.

NPDES Industrial Storm Water Worksheet (Construction)

Site Description			**Notes:**
SWPPP identifies potential sources of pollution? *ESO Element 6*	[Y]	N	
SWPPP identifies all operators and their areas of control? *ESO Element 7*	Y	[N]	Not updated as of the day of this inspection. Enviroworks, LLC is now a sub-contractor to T L C Company, Inc. according to on-site representatives.
Is there a site description? *ESO Element 8*	[Y]	N	
Nature/sequence of construction activity? *ESO Element 8A – 8B*	[Y]	N	
Total area of site and total area to be disturbed? *ESO Element 8C*	[Y]	N	But, acreage does not match NOIs. See further explanations.
Is there a general location map? *ESO Element 8D*	[Y]	N	
Is there a site map? *ESO Element 8E*	[Y]	N	But, some hand written annotations on maps were not legible.
Drainage patterns/outfalls on site map? *ESO Element 8F*	Y	[N]	Maps did not show flow along Beckner Road extension or areas where water would pond. Flow onto site from culvert at Cerrillos Road and Crossing at Chamiso intersection not shown.
Area of soil disturbance on site map? *ESO Element 8F*	Y	[N]	For example: "Current maps" did not show actual disturbance on day of this inspection. Maps did not show vegetated areas northwest of Arroyo de los Chamisos stream. Maps did not show fill stockpile areas south of Arroyo de los Chamisos stream. Maps did not show roads graded east of Crossing at Chamiso and north of Beckner Road Extension.
Location of major structural controls on site map? *ESO Element 8F*	Y	[N]	For example: "Current maps" not complete--did not show straw wattles along Arroyo de los Chamisos stream, pond in NW area of site, or drop inlet at Beckner Road and Cerrillos Road. Maps did not show all silt fence at low areas along north side of Beckner Road Extension.
Location of storm water discharges to a surface water on site map? *ESO Element 8F*	Y	[N]	Maps did not show storm sewer outfall at Arroyo de los Chamisos stream or unnamed tributaries at Beckner Road Extension. Tributaries were interrupted at sanitary sewer access road, but there was evidence of sheet flow and channels to Arroyo de los Chamisos.
Location of materials or equipment storage on site map (on-site or off-site)? *ESO Element 8F*	[Y]	N	
Location/description industrial activities? *ESO Element 8G*	[Y]	N	Rock processing (sorting using grizzly).
Name of Receiving water(s) or MS4 listed?	[Y]	N	*Note: Indicate whether receiving water is 303(d) listed.* See further explanations.
Does the SWPPP include dates of major grading activities, temporary/permanent construction cessation, and initiation of stabilization practices? *ESO Element 13*	[Y]	N	
Endangered Species Documentation? *ESO Element 22*	[Y]	N	Criterion E

NPDES Industrial Storm Water Worksheet (Construction)

Controls to Reduce Pollutants			**Notes:**
Does the SWPPP include a description of all pollution control measures (BMPs) that will be implemented to control pollutants in storm water discharges, including sequence and which operator responsible for implementation? *ESO Element 9 A - C*	Y	[N]	See notes below.
Does the SWPPP include a description of interim and permanent *stabilization practices* (e.g., seeding, mulching, riprap for the site)? *ESO Element 10; 11*	Y	[N]	Stabilization practices listed, but specifications for tackifer, re-application of tackifier, and seeding not described.

Controls to Reduce Pollutants (cont'd)			**Notes:**
Does the SWPPP identify the contractor(s) and timing by which *stabilization practices* will be implemented? *ESO Element 12*	[Y]	N	
Does the SWPPP include a description of *structural practices* (e.g., vehicle track-out, silt fences, sediment traps, storm drain inlet protection) for the site? *ESO Element 14*	[Y]	N	Actual dimensions (location and depth) of sediment basin (2 yr 24 hr storm or 3600 cu ft/acre) not described or updated. Based on information on Site Maps and observations on day of this inspection, pond location had changed during construction.
Does the SWPPP identify the contractor(s) and timing by which *structural practices* will be implemented? *ESO Element 10B - 10C*	[Y]	N	
Does the SWPPP identify storm water management measures to address storm water runoff once the construction is completed (e.g., retention ponds, velocity dissipation controls)? *ESO Element 15*	[Y]	N	Rip rap flood wall identified, but no discussion of retention pond or velocity dissipation at outfall at the Arroyo de los Chamiso stream.
Does SWPPP describe measures to prevent discharge of dredge/fill materials to waters of the U.S.? Does site have 404 permit? *ESO Element 16*	Y	[N]	Not documented. No CWA Section 404/401 documentation (e.g., jurisdictional determination, Nationwide Permit, state certification) was contained in SWPPP.
Does SWPPP describe measures to minimize off-site vehicle tracking and generation of dust? *ESO Element 17*	[Y]	N	
Does SWPPP describe controls for pollutants from storage of construction or waste materials? *ESO Element 18*	[Y]	N	
Does the SWPPP describe controls for pollutants from non-construction activities? *ESO Element 19*	[Y]	N	
Does SWPPP identify allowable non-storm water discharges? *ESO Element 20*	[Y]	N	
Does SWPPP ensure implementation of pollution prevention measures for non-storm water discharges? *ESO Element 21*	[Y]	N	
Is SWPPP revised when BMPs added/modified within 7 days after inspection reveals problems? *ESO Element 28*	Y	[N]	Actual corrective action dates not recorded on log. On 08/02/2010, corrective action needed noted *"…where berm was cut with backhoe."* Date correction noted by inspector was 08/31/2010. The 07/26/2011 After Rain Inspection Report stated, *"need to install silt fence at arroyo where washing off site"* and *"need to add silt fence to plan."* Date corrected not recorded on log or Site Maps.

NPDES Industrial Storm Water Worksheet (Construction)

Inspections			**Notes:**
Inspections performed ~~once every 7 days~~, or every 14 days within 24 hours of a rain event greater 0.5"? *ESO Element 31*	Y	[N]	Inspections were typically only conducted every month, even during summer thunderstorms periods (typically July 1 thru Sept 30). Inspection reports state, *"Applied polymer on entire site except around rock pile where they are working…Started 06-23-09 and Completed 11-10-09."* Other notes on stabilization on Site Maps did not contain sufficient information to document that the entire site was stabilized. The beginning and ending dates of a waiver period (frozen conditions) was not documented in the SWPPP. Some inspections were not performed within 24 hours of a rain event. See notes below and Part 4 of the 2008 CGP.
Inspections performed by qualified personnel? *ESO Element 32*	[Y]	N	
All disturbed areas and/or used for storage and exposed to rain inspected? *ESO Element 33*	[Y]	N	
All pollution control measures inspected to ensure proper operation? *ESO Element 34*	[Y]	N	
All discharge locations inspected if accessible, or if not accessible, are nearby downstream locations inspected? *ESO Element 35; 36*	[Y]	N	
Entrance/exit inspected for off-site tracking? *ESO Element 37*	[Y]	N	
Inspection report contain all required items and certified? *ESO Element 38; 39*	Y	[N]	TLC authorization 11/04/2008 was not signed by responsible corporate officer (person described in Appendix G.11 of the 2008 CGP) or by a duly authorized representative of that person. Reports did not include all corrective action implementation dates (actual corrective action dates not recorded on logs). Electronic signatures were used on some reports, there are no provisions for electronic signature/initials of inspection reports in the 2008 CGP at this time. Some reports did not identify any incidents of non-compliance, but there was no certification that the construction project or site was in compliance with the permit (see Part 5.9 Inspections of the 2008 CGP).

NPDES Industrial Storm Water Worksheet (Construction)

Notes on SWPPP Review

Permit notice/sign: NMR10HC47 & NMR10GB25 NOIs not posted. A permit notice/sign was posted for NOI NMR15G127 and contact info for the SWPPP at the Contractor's Fenced Yard which was approximately 500 feet from the Beckner Road main entrance. *"If an on-site location is unavailable to store the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance at the construction site"* (see Part 5.11 of the 2008 CGP).

Recorded Rain Events: Based on a review of readily available on-line data, rain events 0.5 inches or greater occurred at the following stations:

	Santa Fe	**KNMSANTA19**	
08/31/2008*	**0.52"**	**0.54"**	**No Inspection 24 Hours after rain event**
10/05/2008**	**0.82"**	**0.74"**	
10/14/2008	**0.50"**	0.44"	**No Inspection 24 Hours after rain event**
06/10/2009	**0.56"**	**0.51"**	**No Inspection 24 Hours after rain event**
07/21/2009	**0.62"**	**0.50"**	**No Inspection 24 Hours after rain event**
09/06/2009	0.07"	**0.58"**	**No Inspection 24 Hours after rain event**
09/17/2009	**0.61"**	**0.66"**	**No Inspection 24 Hours after rain event**
10/21/2009**	**0.55**"	0.46"	
07/02/2010	**0.67"**	0.17"	**No Inspection 24 Hours after rain event**
07/03/2010	**0.51"**	**0.56"**	**No Inspection 24 Hours after rain event**
07/23/2010	**0.93**"	0.19"	**No Inspection 24 Hours after rain event**
07/24/2010*	0.21"	**1.71"**	**No Inspection 24 Hours after rain event**
07/31/2010	**0.91"**	**1.07"**	**No Inspection 24 Hours after rain event**
09/22/2010*	**1.19"**	**1.11"**	**No Inspection 24 Hours after rain event**
10/21/2010	**0.51**"	0.14"	**No Inspection 24 Hours after rain event**
12/16/2010	**0.50**"	0.01"	**No Inspection 24 Hours after rain event**
07/25/2011**	**1.12**"	0.22"	
08/19/2011**	0.41"	**0.97**"	
08/21/2011	0.20"	**1.09"**	**No Inspection 24 Hours after rain event**

*Inspections occurred 2 days after rain event on 09/02/2008, 07/26/2010 and 09/24/2010

**Reports of inspections within 24 hours contained in SWPPP document. Report of an after rain event inspection on 09/17/2009 and 03/10/2010 was also contained in the SWPPP document.

NPDES Industrial Storm Water Worksheet (Construction)

SWPPP Implementation (*complete in field)*	
Stabilization Practices	
List and describe stabilization practices *ESO Element 42, 48*	*(e.g., seeding, mulching, geotextiles, sod stabilization)* Use of temporary stabilization (tackifier) was listed on inspection reports and on some maps. Straw mulch/seeding existed along Cerrillos Road right of way. Some vegetation was undisturbed. Rip rap floodwall existed along portions of Arroyo de los Chamisos stream. Established vegetation along slope, completed rip rap flood wall, vegetation and trees along stream bank upstream near rock stock piles was observed, but not shown on Site Maps. Pavement existed at planned roads intersecting Cerrillos Road. Additional stabilization measures of fill slopes and disturbed areas appear needed/should be considered (see photo log).
Are stabilization measures initiated no more than 14 days after temporary or permanent construction cessation? *ESO Element 45*	*(e.g., indicate "yes" or "no"; if "yes", how long without stabilization measures?*) Information on disturbed areas and temporary stabilization was not recorded on all Site Maps. Based on information recorded in inspection reports and Site Maps, stabilization measures were not initiated 14 days after cessation in areas of the site between 10/01/2008 (clearing and grubbing for roads stopped) and 11/25/2008 (utilities started); and 11/25/2009 (construction stopped) and 04/13/2010 (stabilized with polymer).

Structural Practices	
List and describe structural controls *ESO Element 41, 42, 46*	*(e.g., silt fences, hay bales, storm drain inlet protection, sedimentation pond, rip rap, check dam, diversion structure, off-site vehicle track-out)* Straw wattle, Silt fence, Sedimentation pond, Rip rap, and Off-site vehicle track-out. See examples of damage, need for control measures or maintenance in photo log. Part 3.1.C (Runoff Management) of the 2008 CGP states, *"You must divert flows from exposed soils, retain/detain flows or otherwise minimize runoff and the discharge of pollutants from exposed areas of the site. You must avoid placement of structural practices in floodplains to the degree technologically and economically practicable and achievable."*

NPDES Industrial Storm Water Worksheet (Construction)

Non-Structural Practices	
Street Cleaning *ESO Element 43*	*(e.g., describe measures taken to remove offsite accumulation of sediment)* No accumulated sediment was observed off site on Cerrillos Road. At Beckner Road entrance, additional measures and maintenance appeared needed (see photo log).
Good Housekeeping & Waste Disposal Practices *ESO Element 44*	*(e.g., describe measures taken to prevent litter and debris from becoming a pollutant source)* Inspection reports/correction action logs record pick up of trash. No trash bin was observed, but no windblown trash or litter was observed on the day of this inspection. A stockpile of damaged silt fence with sediment and damaged wattle in the floodplain have the potential to become pollutant source if not properly disposed (stockpile) or re-installed (wattle). Portable toilets were located on site, but were not shown on Site Maps.
Equipment Wash/ Maintenance Area *ESO Elements 42*	*(provide brief description)* No equipment wash/maintenance area observed.
Concrete Washout Areas *ESO Elements 42*	*(provide brief description)* No use of concrete or active concrete washout was observed.

Miscellaneous	
Evidence of Sediment Deposition to Surface Waters **ESO Eligibility – if "yes," site not eligible for ESO*	*(e.g., significant turbidity observed in a receiving water body)* Arroyo de los Chamisos was not flowing on the day of this inspeciton. However, there was substantial evidence of erosion (especially from fill areas and slopes) resulting in sediment deposition to the stream.
Pollution prevention measures for non-storm water discharges? **ESO Eligibility – If evidence of non-allowable non-storm water discharges, site not eligible for ESO*	(*provide brief description and determine whether/if non-storm water discharges allowable)* No non-stormwater discharges observed.

NPDES Industrial Storm Water Worksheet (Construction)

Miscellaneous	
Has implementation of additional/modified BMPs been completed before next anticipated storm event? *ESO Element 43.C.1*	(*provide brief description)* No. As previously discussed, the 07/26/2011 After Rain Inspection Report stated, *"need to install silt fence at arroyo where washing off site"* and *"need to add silt fence to plan."* Date corrected not recorded on log or Site Maps. The 08/20/2011 After Rain Inspection Report stated, *"need to install silt fence at arroyo where washing off site"* and *"need to repair silt fence at arroyo where washing off site & maybe build a temporary pond"*, and *"need to add silt fence to plan." Rain events of* 0.05 inches and 0.33 inches were recorded at station Santa Fe and KNMSANTA19, respectively on 08/20/2011. A rain event at of 1.09" was recorded at KNMSANTA19 on 08/21/2011.

Notes on SWPPP Implementation

Upon arrival at the site on the day of this inspection, there was no observed activity to repair/modify/add BMPs. A rain event of 0.70 inches was recorded at station KNMSANTA19 on 08/25/2011 (the day after this inspection).

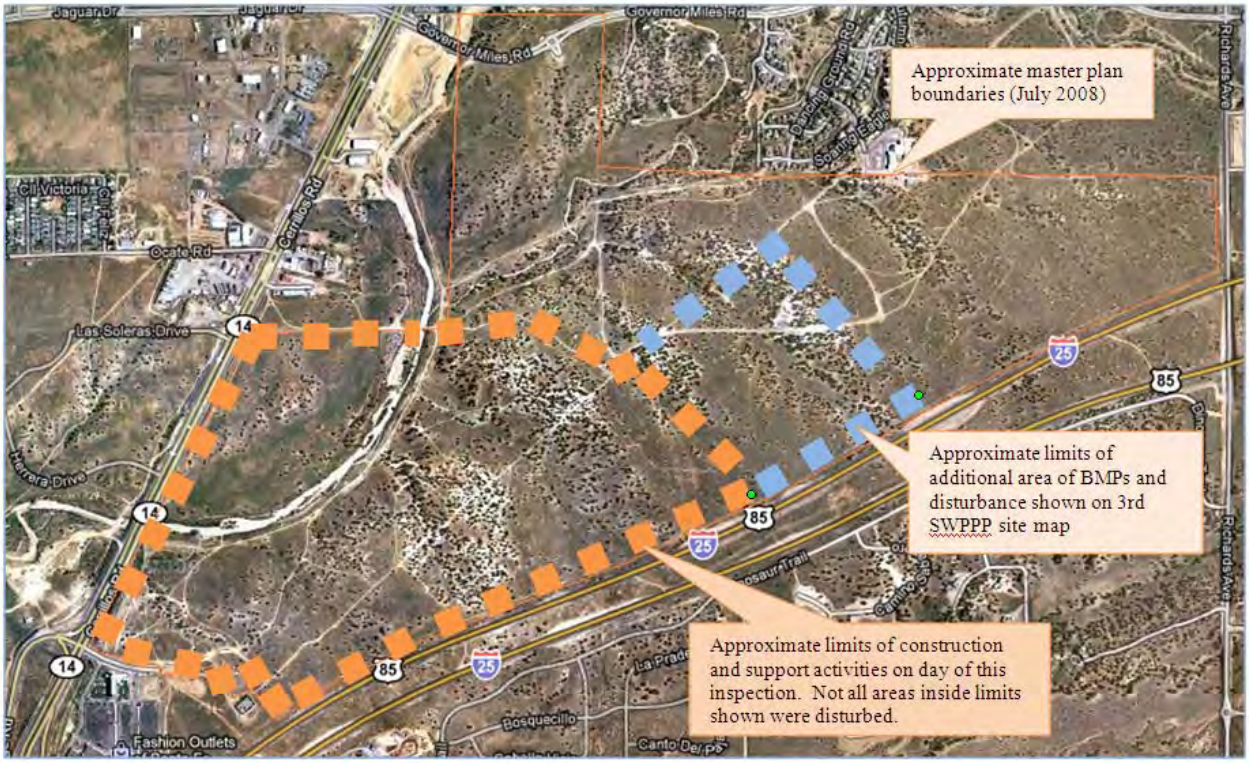
Part 3.6 (Maintenance of Control Measures) of the 2008 CGP states:

> *"A. You must maintain all control measures and other protective measures in effective operating condition. If site inspections required by Part 4 identify BMPs that are not operating effectively, you must perform maintenance as soon as possible and before the next storm event whenever practicable to maintain the continued effectiveness of stormwater controls. B. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, you must complete implementation before the next storm event whenever practicable. If implementation before the next storm event is impracticable, you must implement alternative BMPs as soon as possible."*

Part 5.10 (Maintaining an Updated Plan) of the 2008 CGP states:

> *"The SWPPP must be modified: A. To reflect modifications to stormwater control measures made in response to a change in design, construction, operation, or maintenance at the construction site that has or could have a significant effect on the discharge of pollutants to the waters of the United States that has not been previously addressed in the SWPPP. B. If during inspections or investigations by site staff, or by local, state, tribal or federal officials, it is determined that the existing stormwater controls are ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the construction site. C. Based on the results of an inspection, as necessary to properly document additional or modified BMPs designed to correct problems identified. Revisions to the SWPPP must be completed within seven (7) calendar days following the inspection."*

Figure 1 Las Soleras		
Created by: Erin S. Trujillo	Aerial Map Source: Google Earth/Maps	
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras/Beckner Road Extension		
Notes: Approximate Las Soleras master plan boundaries shown below is based on a James W. Siebert and Associates, Inc. aerial photo plan sheet dated July 2008 provided by the operator/permittee on-site representative during this inspection. The approximate limits of the Las Soleras construction and support activities on the day of this inspection is shown below for information purposes. The limits were not surveyed by the inspector, but are based on information provided by the permittee representative, SWPPP Site Maps, and observed disturbance.		



NMED/SWQB Official Photograph Log Photo # 1		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0944 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: North of road grading for Crossing at Chamiso, a retention pond had been constructed. Erosion rills in undisturbed areas and at the slopes of vegetated area directly north of the pond were observed. No erosion rills or gullies were observed leading out of the pond. Photo below shows the erosion rills and gullies south of the pond and road grading for Crossing at Chamiso leading to the Arroyo de los Chamisos stream.		

NMED/SWQB Official Photograph Log Photo # 2		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0948 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Silt fence damage and erosion at Arroyo de los Chamisos		

NMED/SWQB Official Photograph Log Photo # 3		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0950 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Evidence of previous discharge into stream from construction site observed from Arroyo de los Chamisos stream bed.		

NMED/SWQB Official Photograph Log Photo # 4		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0952 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Evidence of previous discharge into stream from construction site. Example of erosion from fill area undercutting silt fence as observed from Arroyo de los Chamisos stream bed. Some sediment had accumulated behind wattle in floodplain/stream bank. Additional areas of silt fence damage and undercutting were observed upstream.		

NMED/SWQB Official Photograph Log Photo # 5		
Photographer: Daniel Valenta	Date: 08/24/2011	Time: 0955 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Erosion from fill area along silt fence and undercutting silt fence (same area shown in Photo #4).		

NMED/SWQB Official Photograph Log Photo # 6		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0954 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Damaged straw wattle staked at edge of stream bank. Un-staked portion of wattle most likely was moved during flow in channel.		

NMED/SWQB Official Photograph Log Photo # 7		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0955 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking south at fill stockpiles in floodplain as observed from Arroyo de los Chamisos stream bed. No remaining BMPs were installed between fill stockpiles and stream.		

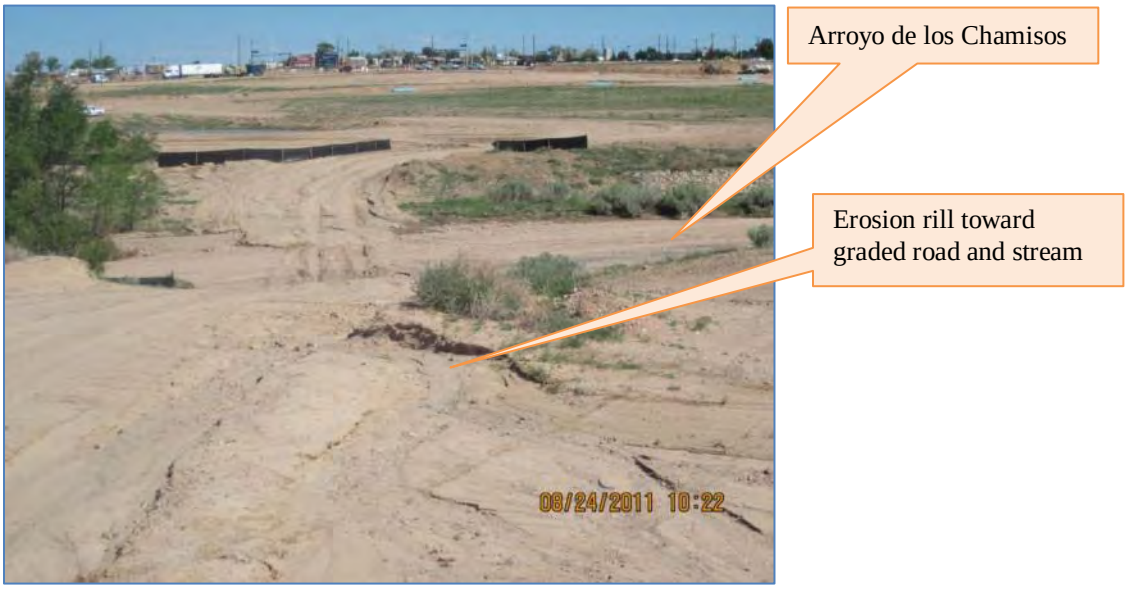
NMED/SWQB Official Photograph Log Photo # 8		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 0956 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Upstream of previous photos, example of erosion rills along constructed fill/slope at gap and damaged silt fence as observed from floodplain of Arroyo de los Chamisos. Previous flows had risen above the banks of the stream in this area. Additional gap in silt fence and undercutting was observed upstream (not shown in photo).		

Short segment of rip rap had been installed at buried utility line according to on-site representatives.

NMED/SWQB Official Photograph Log Photo # 9		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1004 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Storm sewer outfall as observed from Arroyo de los Chamisos arroyo. No outfall protection was installed. SWPPP identifies rip rap flood walls, but no other velocity dissipation or retention of flows from outfall.		

NMED/SWQB Official Photograph Log Photo # 10		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1005 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Buried silt fence in stream bed and silt fence stake on stream bank below low water crossing.		

NMED/SWQB Official Photograph Log Photo # 11		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1022 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking north from grading for Crossing at Chamisos. Erosion from disturbed areas flows toward low water crossing. Flow along graded road was not diverted.		



NMED/SWQB Official Photograph Log Photo # 12		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1028 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking south from graded Beckner Road Extension, erosion in disturbed area. Tackifier was recorded to have been used in this area. Because the temporary riser pipe (planned drop inlet) for the Beckner Road Extension is missing, flow from this area discharge directly from the outfall (shown in previous photo) into Arroyo de los Chamisos. Repair of the riser is needed to prevent discharge into Arroyo de los Chamisos from this area. Re-application of tackifier and/or other control measures appears needed.		

NMED/SWQB Official Photograph Log Photo # 13		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1042 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Example of water ponding in low area/drainage swale at Beckner Road fill that was shown on previous Site Map, but not current map.		

NMED/SWQB Official Photograph Log Photo # 14		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1045 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Example of water ponding at end of Beckner Road Extension (approximately 3500 feet east of construction site entrance) that was not shown on Site Maps. If intended to be control measures, then location needs to be shown on Site Maps.		

NMED/SWQB Official Photograph Log Photo # 15		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1045 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking north, graded and staked road approximately 3,000 feet east of construction site entrance that was not shown on Site Maps to be disturbed.		

NMED/SWQB Official Photograph Log Photo # 16		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1051 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Erosion rills from Beckner Road fill slope leading toward tributary. Wattles crossing tributary do not provide erosion/sediment control measures from fill slopes.		

NMED/SWQB Official Photograph Log Photo # 17		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1052 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: From Beckner Road above tributary shown in Photo 16, evidence of flow overtopping and damaged silt fence. Flow along Beckner Road to this low area was not shown on Site Maps.		

NMED/SWQB Official Photograph Log Photo # 18		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1050 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Below Beckner Road above tributary shown in Photo 16, gully from flow had formed.		

NMED/SWQB Official Photograph Log Photo # 19		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1058 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: A stockpile of dirt and damaged silt fence also existed near Crossing at Chamiso. BMPs existing prior to construction were not documented in SWPPP. Damaged construction materials/controls need to be properly disposed.		

NMED/SWQB Official Photograph Log Photo # 20		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1106 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Tributary below Beckner Road fill slope east of tributary shown in Photo 16. Photo shows, buried wattle crossing stream channel and erosion rills in fill slope. Location of straw wattle does not appear to provide sediment/erosion control for fill slope.		

NMED/SWQB Official Photograph Log Photo # 21		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1111 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Un-maintained/damaged silt fence was located in drainage swales, across tributaries, and along access road where tributaries were interrupted along the south of Arroyo de los Chamiso stream. This example of buried silt fence was at sanitary access road may have been installed prior to construction. Although tributary channels (shown in Photo 16 and 20) are interrupted, sheet flow continued to channel at entering Arroyo de los Chamisos shown in next photo.		

NMED/SWQB Official Photograph Log Photo # 22		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1111 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Wet soils in channel at Arroyo de los Chamisos. Evidence of tributary discharge location at Arroyo de los Chamisos downstream from Beckner Road.		

NMED/SWQB Official Photograph Log Photo # 23		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1502 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking south, disturbance at eastern boundary of construction and support activity based on information from on-site representatives.		

NMED/SWQB Official Photograph Log Photo # 24		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1502 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Looking north from location of previous photo, graded road, vehicle tracks and staking at eastern boundary of construction and support activity based on information from on-site representatives. Disturbance of this road not shown on Site Maps.		

NMED/SWQB Official Photograph Log Photo # 25		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1542 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Off-site accumulated sediment from erosion around vehicle track out pad at site entrance. Paved portion of Beckner Road did not appear to have accumulated sediment from vehicle tracking on the day of this inspection, but cobble was beginning to become buried. Additional control measures and maintenance of the vehicle track out measure were needed.		

NMED/SWQB Official Photograph Log Photo # 26		
Photographer: Erin S. Trujillo	Date: 08/24/2011	Time: 1543 hours
City/County: Santa Fe / Santa Fe		State: New Mexico
Location: Las Soleras and Beckner Road Extension		
Subject: Not all off-site accumulated sediment or trash shown can be attributed to Las Soleras construction activities. Additional measures as discussed in previous photo appear needed.		