HITP - 5

TEMPORARY PERMISSION

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No _____ dated 5/27/08

or cash received on _____ in the amount of $ 150.00

from Transwestern Pipeline

for HITP-5

Submitted by: Lawrence Romero Date: 4/1/08

Submitted to ASD by: Lawrence Romero Date: 4/1/08

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other Temporary Permission

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

ROONEY
ENGINEERING, INC.

12201 East Arapahoe Rd., Suite C-10
Centennial, Colorado 80112-3918
(303) 792-5911
FAX (303) 792-0227

March 27, 2008

Mr. Brad Jones
Permitting - Hydrostatic Test
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Subject: Transwestern Pipeline - Hydrostatic Test Water Discharge

Dear Mr. Jones,

Enclosed please find Rooney Engineering, Inc.'s check number 2942 in the amount of one hundred and fifty dollars ($150.00). This payment is made on behalf of Transwestern Pipeline for the permit fees for the Belen Lateral hydrostatic test discharge.

I appreciate your efforts in this matter.

Sincerely,

Dean Shauers

cc: Steven Hearn - Transwestern

CHECK REQUEST

DATE: 3/27/08

COMPANY: | VENDOR NO.

TO ACCOUNTING DEPARTMENT

PLEASE ISSUE A CHECK IN THE AMOUNT OF $ 150.00 PAYABLE TO:

NAME: Water Quality Mgmt Fund.

ADDRESS:

CITY, STATE, ZIP:

EXPLANATION ON REMITTANCE ADVICE

FOR	AMOUNT	
Permit fees - Boden.		
TOTAL		

DISPOSITION

☐ MAIL TO:

☐ DELIVER

CHARGE TO (PURPOSE): Job # 2549 5040.

NOTES:

REQUESTED BY: Dean

APPROVED BY:

CKREQ:2/92

Patti Idlet

From: Dean Shauers
Sent: Thursday, March 27, 2008 11:56 AM
To: Brad Jones (Brad.A.Jones@state.nm.us)
Cc: Dean Shauers; Patti Idlet
Subject: Belen - Transwestern Discharge
Importance: High
Attachments: New Mexico OCD Check Transmittal.doc; image002.gif

Brad,
I will have the permit fee of $150.00 prepared and sent to you today via FedEx for the Transwestern Belen Project. The check will be made on behalf of Transwestern by Rooney Engineering, Inc. The transmittal letter is attached. The check will be made out to "Water Quality Management Fund" and sent directly to your attention as follows:

Mr. Brad Jones
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487

Thanks,

Dean Shauers, P. E.
President

ROONEY ENGINEERING, INC.
Engineering for the Energy Industry

Phone: 303-792-5911
Fax: 303-792-0227

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

March 27, 2008

Mr. Bill Vander Lyn
Transwestern Pipeline Company, LLC
711 Louisiana Street, Suite 900
Houston, Texas 77002

Re: Hydrostatic Test Water Discharge - Temporary Permission (HITP-005)
Transwestern Pipeline Company, LLC
Belen Pipeline Project
Belen/Tome Land Grant
Valencia County, New Mexico

Dear Mr. Vander Lyn:

The New Mexico Oil Conservation Division (OCD) has received Transwestern Pipeline Company, LLC's (Transwestern) notice of intent (NOI) submitted on Transwestern's behalf by TRC, dated March 20, 2008, to hydrostatically test a new 3.4 mile section of 12.75-inch natural gas pipeline that is approximately 4.5 miles southeast of the City of Belen, New Mexico. The NOI indicates the Transwestern proposes to generate approximately 110,000 gallons of wastewater from a hydrostatic test of new pipeline. The hydrostatic test wastewater will be transferred from the pipeline via a high pressure hose and discharged into a manhole under the authority of the New Mexico Water Service Company's (NMWSC) sanitary wastewater collection system.

Based on the information provided in the request, temporary permission is hereby granted for the disposal of the hydrostatic test water generated from the new pipeline test with the following understandings and conditions:

1. no discharge will occur on the ground surface at the hydrostatic test wastewater collection/discharge location: N 34° 25' 15.4" and W 106° 43' 56.4";
2. the source of the hydrostatic test water will be potable water obtained from NMWSC, a water service provider to the City of Belen;
3. approximately 110,000 gallons of hydrostatic test wastewater generated from the test will be transferred from the pipeline via a 3-inch high pressure hose and discharged into a manhole on Navarro Street in the Rio Grande Industrial Park, at a NMWSC approved flow-rate of approximately 50,000 gallons per day or 35 gallons per minute;
4. a Transwestern representative shall be present to monitor the entire discharge;
5. prior to discharge into the NMWSC sanitary wastewater collection system, Transwestern shall confirm the hydrostatic test wastewater satisfies the NMWSC pH discharge standard (pH greater than or equal to 6 and less than or equal to 9);

6. the high pressure hose shall be secured to protect the hose from vehicle traffic and prevent a release onto the ground surface during the discharge activities;
7. if the hydrostatic test wastewater generated from the test does not comply with the NMWSC sanitary wastewater collection system discharge standards, Transwestern will transfer the hydrostatic test wastewater via fluid extraction (tanker) trucks to Key Energy Services (Farmington, New Mexico) Class I well for injection and disposal, as proposed in the NOI;
8. no approval is granted for discharge to the ground or within the existing easement right of right;
9. no discharge and/or collection/retention of hydrostatic test wastewater shall occur:
    a. within any lake, perennial stream, river or their respective tributaries that may be seasonal;
    b. where ground water is less than 10 feet below ground surface.
    c. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
    d. within an existing wellhead protection area;
    e. within, or within 500 feet of a wetland; or
    f. within 500 feet from the nearest permanent residence, school, hospital, institution or church;
10. best management practices must be implemented to contain the discharge and/or collection/retention onsite, not impact adjacent property, and to control erosion;
11. the discharge and/or collection/retention does not cause any fresh water supplies to be degraded or to exceed standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);
12. the landowner(s) of the proposed discharge and/or collection/retention or alternative discharge location must be properly notified of the activities prior to the proposed hydrostatic test event; and
13. Transwestern shall report all unauthorized discharges, spills, leaks and releases of hydrostatic test water and conduct corrective action pursuant to WQCC Regulation 20.5.12.1203 NMAC and OCD Rule 116 (19.15.3.116 NMAC).

It is understood that the hydrostatic test will occur sometime during the period of March 28, 2008 through April 30, 2008. This temporary permission will expire in 120 days of the effective date of the letter.

This approval does not relieve Transwestern of responsibility should its operation result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve Transwestern of responsibility for compliance with other federal, state or local regulations.

If there are any questions regarding this matter, please do not hesitate to contact Brad A. Jones at (505) 476-3487 or brad.a.jones@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation.

Sincerely,

Wayne Price
Environmental Bureau Chief

LWP/baj
cc: OCD District IV Office, Santa Fe

Jones, Brad A., EMNRD

From: VanderLyn, Bill [Bill.VanderLyn@energytransfer.com]
Sent: Thursday, March 20, 2008 8:37 AM
To: Jones, Brad A., EMNRD
Cc: Patterson, Patricia (Lowell,MA-US); Dean Shauers
Subject: Revised Application
Attachments: Attach 1, Rev1 - NMOCD_Belen application_03-20-08.pdf; Attach 2 - Correspondence_03-20-08.pdf; Belen Cover Ltr 3-20-08.pdf

Brad - please find the revised application for the Belen Lateral project.

Thanks,

Bill Vander Lyn
Transwestern Pipeline
Environmental Scientist
711 Louisiana Street, Suite 900
Houston, Texas 77002

281 - 714 - 2319 (office)
281 - 714 - 2176 (fax)
713 - 248 - 4995 (cell)

ENERGY TRANSFER PARTNERS

Transwestern Pipeline Company

March 20, 2008

Mr. Brad Jones
New Mexico Oil Conservation Division (NMOCD)
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505

Subject: Transwestern Pipeline Company, LLC
Amended Notice of Intent to Discharge Hydrostatic Test Water
12.75-inch natural gas pipeline, Valencia County, New Mexico

Dear Mr. Jones:

On March 4, 2008, Transwestern Pipeline Company, LLC (Transwestern) submitted a Notice of Intent (NOI) for discharge of 110,000 gallons of water following hydrostatic testing of 3.4 miles of new 12.75-inch natural gas pipeline that Transwestern is constructing from its existing pipeline to the Valencia Power Plant in Belen, Valencia County, New Mexico. Test water will be obtained from the New Mexico Water Service Company (NMWSC), a water provider to the City of Belen. Discharge will be into a sewer manhole that is part of the NMWSC sanitary wastewater collection system on Navarro Street.

This amended (NOI) includes the following documents: Attachment 1, additional information about the proposed discharge, and Attachment 2, supporting correspondence. All changes in Attachment 1 are shown in blue text as listed below:

- Footer, all pages – Date changed to March 19, 2008;
- Page 8, v., last paragraph – Added new sentence at the end of the paragraph;
- Page 9 – Added new Figure 7;
- Page 10, h) – Added new second paragraph;
- Page 10, i) – Revised second and third sentences;
- Page 11, j) – Added two new sentences to the end of the paragraph; and
- Attachment 2 – Added March 19, 2008 e-mail from NMWSC.

711 Louisiana Street, Suite 900
Houston, Texas 77002

Thank you for your time and consideration.

Sincerely,

Bill VanderLyn
Environmental Scientist

cc: D. Shauers, P.E., Rooney Engineering, Inc.
Attachments 1 and 2

ATTACHMENT 1
Description of Discharge

Transwestern Pipeline Company, LLC
Belen Hydrostatic Test Water Discharge
Valencia County, New Mexico

Transwestern Pipeline Company, LLC (Transwestern) is constructing a new 3.4-mile-long, 12.75-inch-diameter, natural gas pipeline lateral extending north from its existing mainline to the Valencia Power Plant in Belen, Valencia County, New Mexico. In accordance with the U.S. Department of Transportation requirements, Transwestern must hydrostatically test the pipeline before putting it into service. The hydrostatic test of the pipeline will require 110,000 gallons of water. The water will be potable and obtained from the New Mexico Water Service Company (NMWSC), a water provider for the City of Belen. Discharge will be into the NMWSC sanitary wastewater collection system on Navarro Street. The following provides additional information on the discharge:

a) Name/address of the proposed discharger:

Transwestern Pipeline Company, LLC
711 Louisiana Street, Suite 900
Houston, TX 77002
ATTN: Bill Vander Lyn (218) 714-2319

b) The location of the discharge, including a street address, if available, and sufficient information to locate the facility with respect to surrounding landmarks:

NMWSC Wastewater Collection System (sewer)
Navarro Street in the Rio Grande Industrial Park
Belen, Valencia County, New Mexico

From Highway 304 (about 0.1 mile north of the Burlington Northern Railroad) turn right (coming from the south) or left (coming from the north) onto Lucero Drive for approximately 0.25 mile to Christine Drive. Turn north on Christine Drive and continue approximately 0.60 mile to Navarro Drive (immediately south of the Valencia Power Plant). Turn west on Navarro Drive and continue for approximately 0.1 mile. The discharge site will be a sewer manhole within Navarro Street, just east of the Burlington Northern spur line). See Figure 1 for overview map.

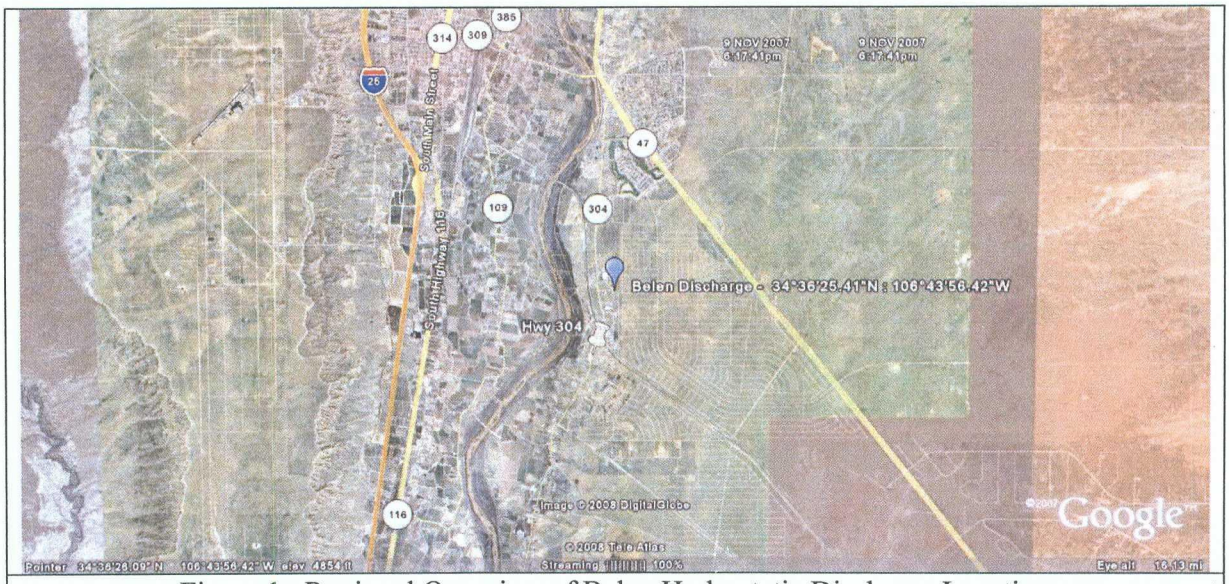

Figure 1. Regional Overview of Belen Hydrostatic Discharge Location

c) Legal description (Section/Township/Range) of the discharge location:

The NMWSC wastewater collection system sewer manhole on Navarro Street is located south of Tract 4-C-1-A-1, Lands of Valencia Power, and north of Tract A-1, Lands of Rio Grande Industrial Park, Ltd. Both tracts are located in Tome Grant, Valencia County, New Mexico (N 34°36'25.4"; W 106°43'56.4"). See Figure 2.

See Attachment 2 for NMWSC approval for discharge of hydrostatic test water.

d) Site specific and regional maps indicating the location of the pipelines to be tested and the proposed discharge location:

See Figure 3. USGS Quad Overview – Belen Lateral and Discharge Location
See Figure 4. Aerial Overview – Belen Lateral and Discharge Locations

e) A demonstration of compliance to the following siting criteria or justification for any *exceptions*:

i. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;

A site visit and GIS review of the discharge site has been completed. There are no watercourses, lakebeds, sinkholes or playa lakes within 200 feet of the discharge site. See Figure 5.

ii. within an existing wellhead protection area or 100-year floodplain;

The discharge site is not located in an existing wellhead protection area or 100-year floodplain. See Figure 5 for location of wells and wellhead protection areas near the discharge site.

See Figure 6 for the nearest FEMA mapped 100-year floodplain. The nearest FEMA mapped 100-year floodplain is over 0.4 miles west of the discharge site.

iii. within 500 feet of, a wetland;

A visual and on-site inspection survey for wetlands was completed for the pipeline route and discharge site. There are no wetlands within 500 feet of the discharge site. See Figure 5.

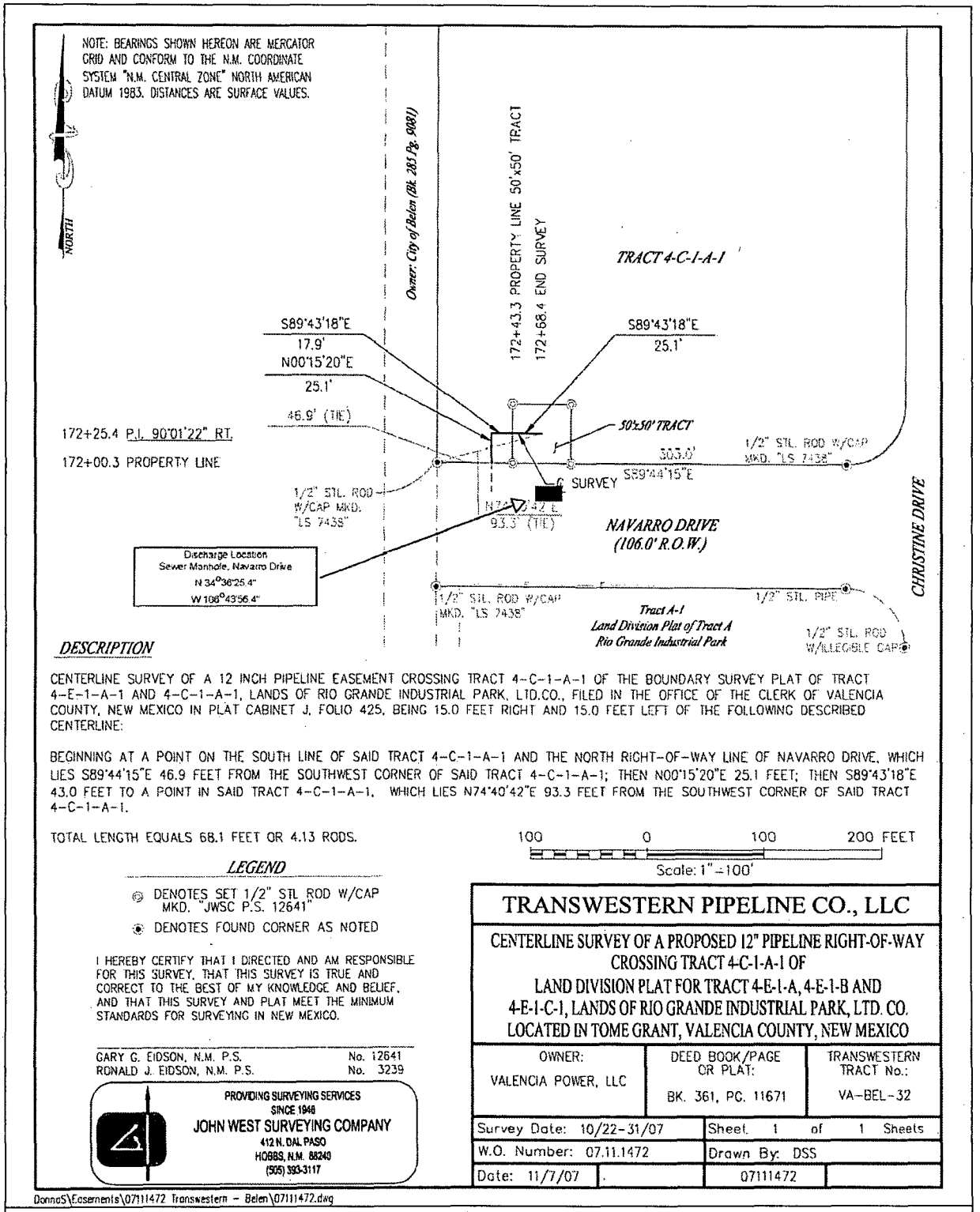

Figure 2. Plat showing Belen Lateral Discharge Location.

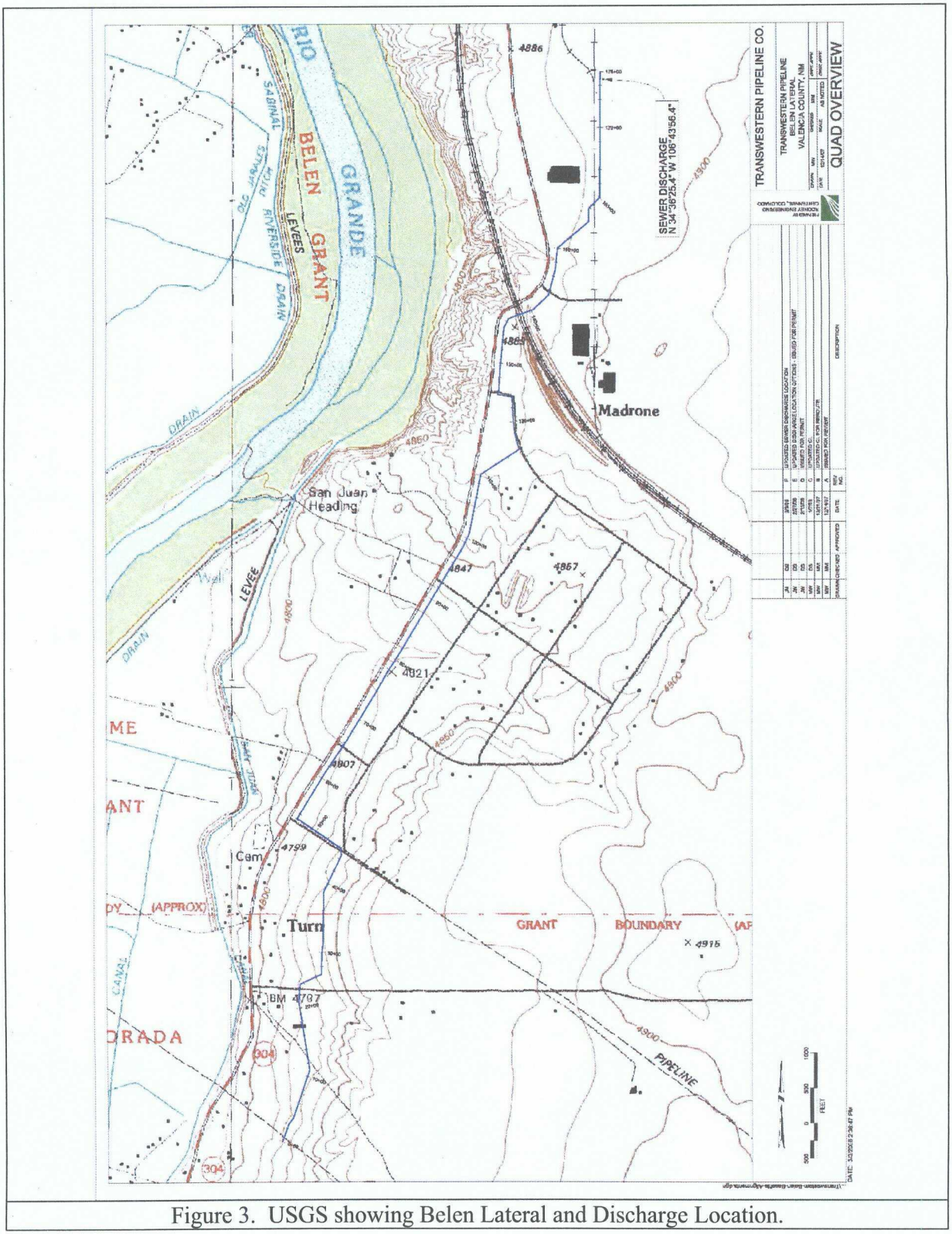

Figure 3. USGS showing Belen Lateral and Discharge Location.

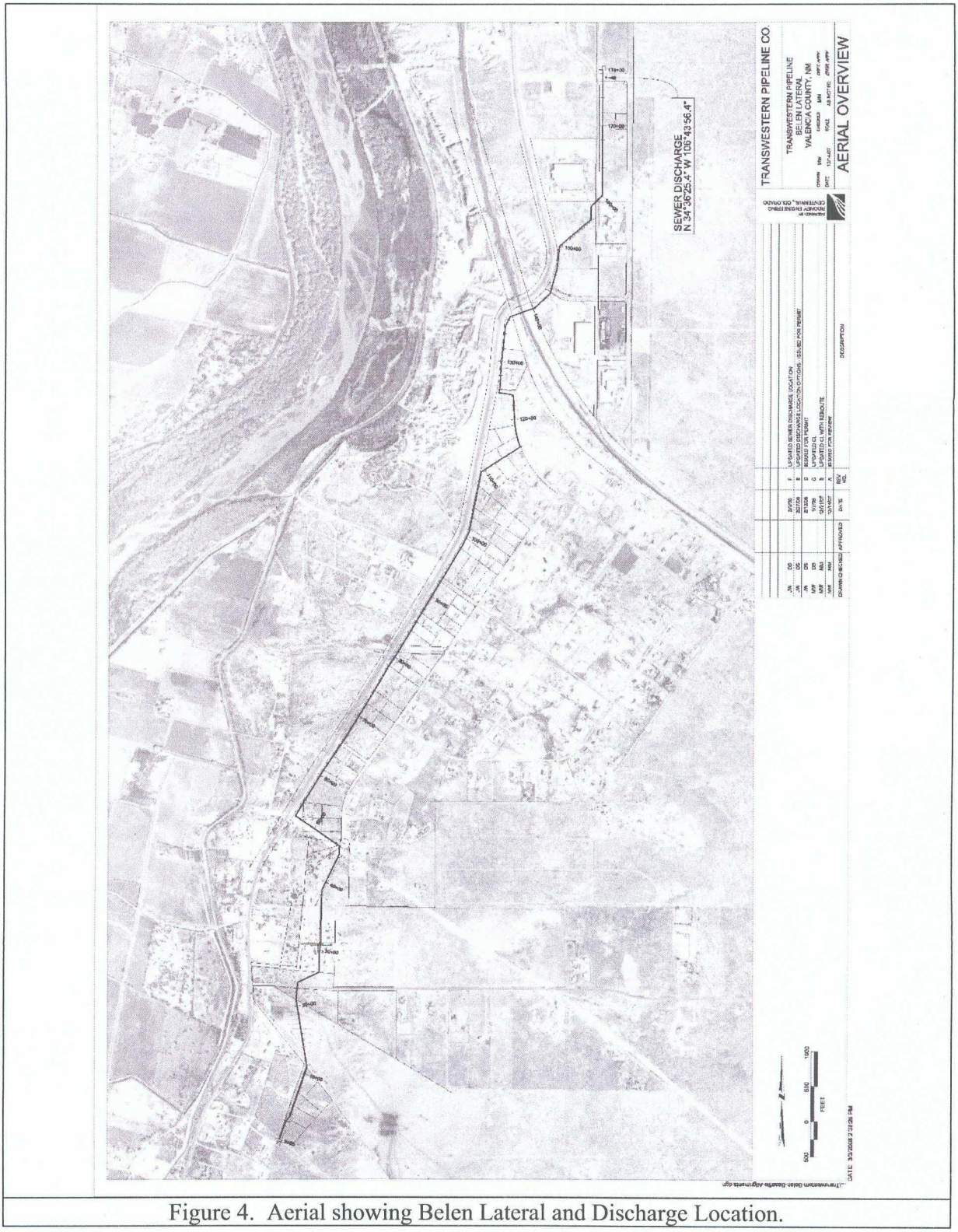

Figure 4. Aerial showing Belen Lateral and Discharge Location.

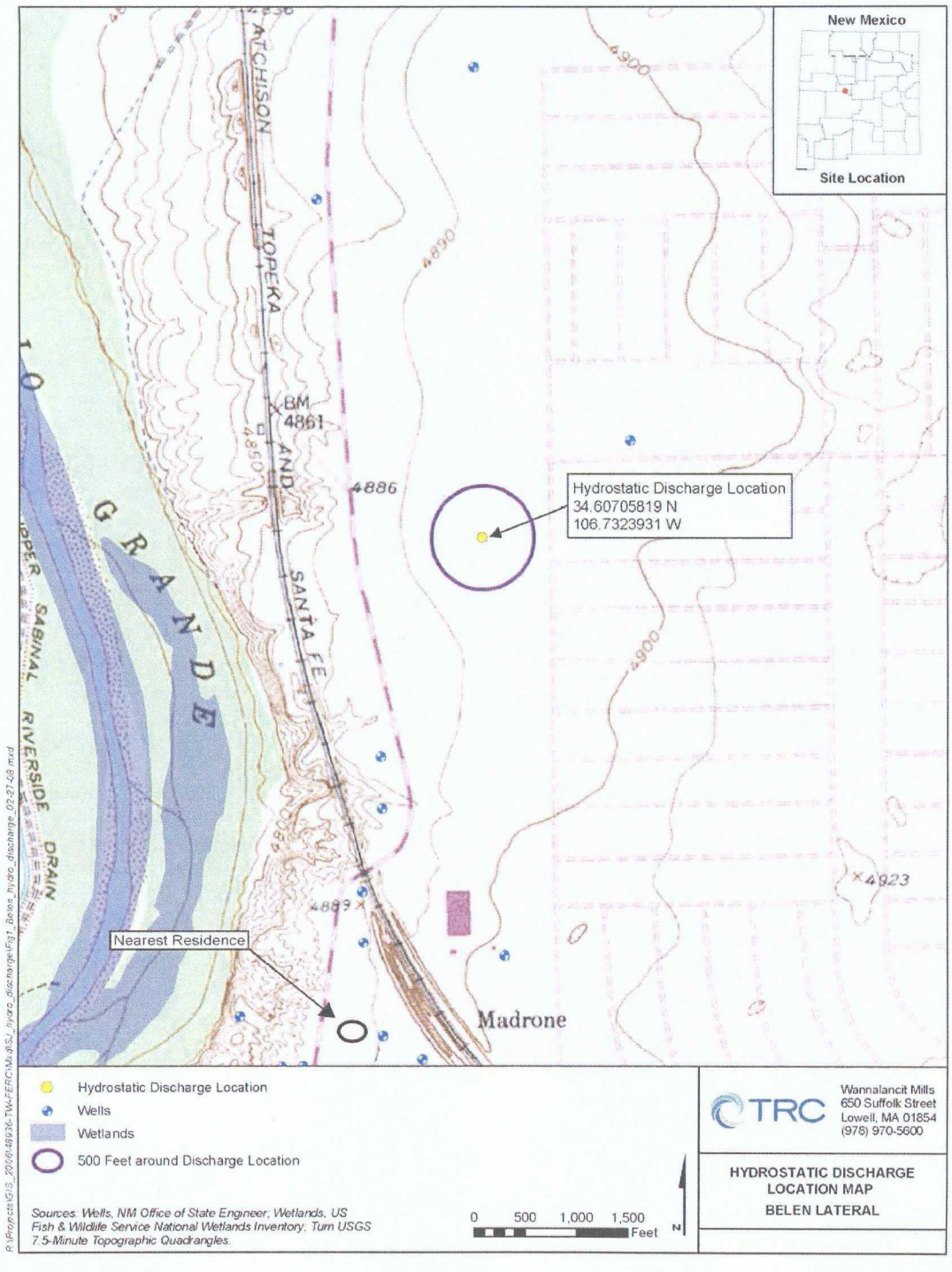

Figure 5. USGS Showing Location of Wells, Wetlands, and Residences in Relation to Belen Lateral Discharge Location

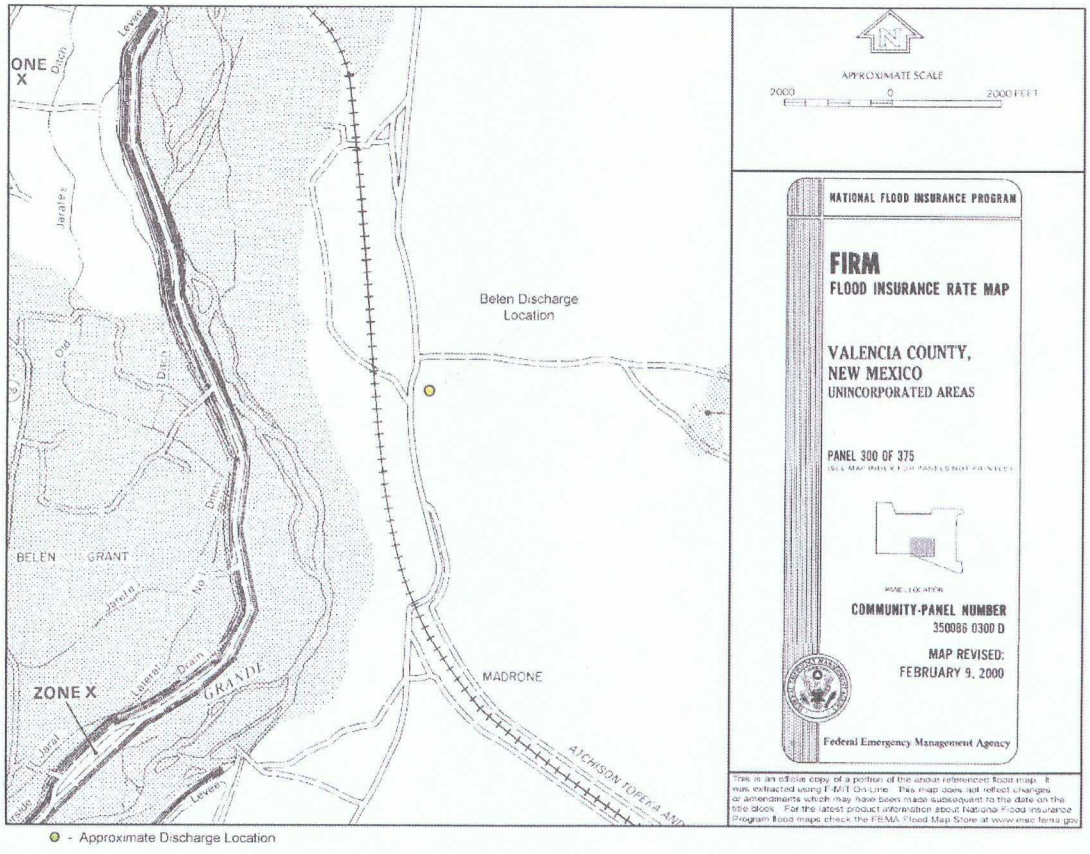

Figure 6. Floodplain Map Showing Belen Lateral Discharge Location.

iv. within the area overlying a subsurface mine; or

There is no subsurface mining in the general area of the discharge site, nor are there any subsurface mines near the discharge site. See Attachment 2 for copy of correspondence with the Database Coordinator New Mexico Bureau of Geology.

v. within 500 feet from the nearest permanent residence, school, hospital, institution or church;

The discharge site is not located within 500 feet of a residence, school, hospital, institution or church. The nearest residence is nearly 1 mile from the discharge location (see Figure 5). The nearest building is 700 feet from the sewer manhole (see Figure 7).

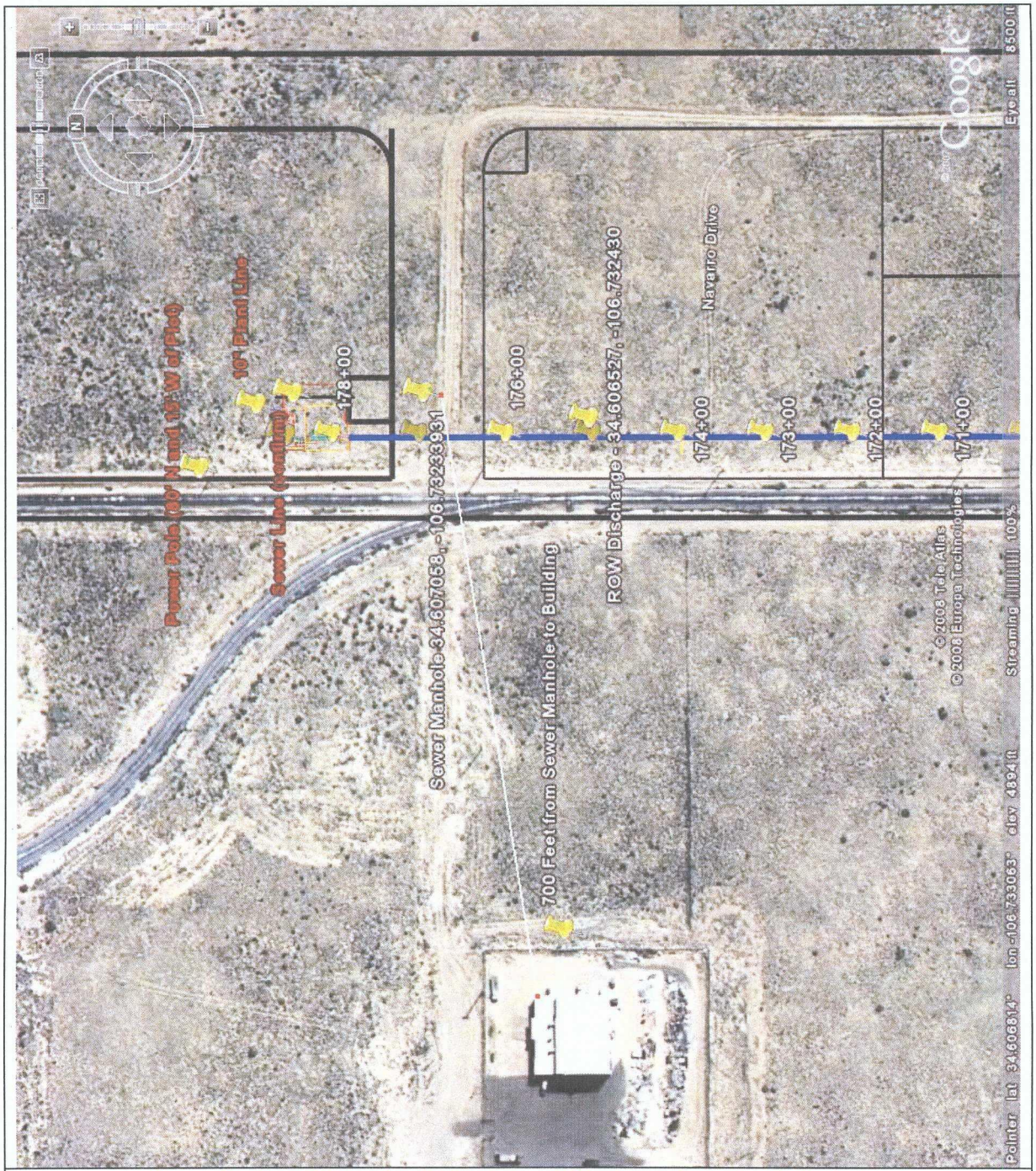

Figure 7. Aerial Showing Belen Lateral Discharge Location in Relation to Nearest Building

f) A brief description of the activities that produce the discharge:

Transwestern is constructing a new 12" diameter 3.4-mile-long natural gas pipeline to supply gas to the Valencia Power Plant in Belen, New Mexico. In accordance with the United States Department of Transportation (Title 49 CFR Part 192), the pipeline must be hydrostatically tested prior to placing the pipeline in service. This is a new pipeline. Potable test water will be obtained from the NMWSC, a water service provider to the City of Belen. No chemicals will be added to the hydrostatic test water. Following hydrostatic testing and sampling of the water, test water will be discharged from the pipeline to the NMWSC wastewater collection system via the sewer manhole in Navarro Street.

g) the method and location for collection and retention of fluids and solids:

Approximately 110,000 gallons of municipal drinking water from the NMWSC, a water service provider to the City of Belen, will be pumped from a hydrant 183 feet west of the sewer manhole into the newly-installed pipeline. The hydrostatic test water will be contained in the pipeline following the test. Water samples will be collected from the pipeline and water will remain in the pipeline until tested and the results approved by the NMWSC.

h) a brief description of best management practices to be implemented to contain the discharge onsite and to control erosion:

The hydrostatic test water will be discharged directly into the NMWSC wastewater collection system via the sewer manhole in Navarro Street. Flow of the discharged test water will be controlled to ensure that it does not exceed the capacity of the wastewater treatment system or cause flooding of Navarro Street.

A 3-inch high pressure rubber hose will transfer the discharge water from the pipeline to the sewer manhole and the following best management practices will be employed:

- the high pressure hose will be installed 4 feet into the sewer manhole and the manhole cover will be laid over the top of the hose to prevent the hose from coming out of the manhole;
- exclusionary fencing will be installed around the sewer manhole to prevent vehicles from driving into the sewer manhole; and
- personnel will be assigned to monitor the entire discharge.

i) a request for approval of an alternative treatment, use, and/or discharge location (other than the original discharge site), if necessary:

Transwestern does not expect that contaminant levels in the hydrostatic test water will exceed the NMWSC requirements. In the event that contaminant levels are exceeded, Transwestern will transfer the test water to tanker trucks, using best management practices to prevent the release of any waste material, including the placement of visqueen under the hose between the end of the pipeline and the transport trucks. The

water will be transported to Key Energy Services Class I injection well for disposal, following completion of any appropriate water tests that may be required by Key Energy Services.

j) a proposed hydrostatic test wastewater sampling plan:

Because the Belen Lateral will be tested with water from a domestic potable water source, Transwestern may conduct sampling of the baseline water before insertion into the pipeline.

Following testing and prior to discharge, representative samples of the hydrostatic test discharge water will be collected by compositing single grab samples to obtain average water quality characteristics through the discharge period. A 250-ml grab sample will be collected at the beginning (i.e. south end) and termination (i.e. north end) of the pipeline. The two samples will be combined for analysis into one container. The water will be tested for the parameters set forth by NMWSC for approval or disapproval of test water to be discharged into the NMWSC wastewater collection system at the Navarro Street sewer manhole. According to the NMWSC, the water will be tested for pH (see e-mail dated March 19, 2008 in Attachment 2). The results of the testing will be provided to the New Mexico Oil Conservation Division.

k) a proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations):

In the event that contaminant levels are exceeded, Transwestern will transfer the test water from the pipeline to tanker trucks, using best management practices to prevent the release of any waste material. The test water will be transported to Key Energy Services Class I injection well for disposal.

l) a brief description of the expected quality and volume of the discharge:

The source water will be municipal potable water obtained the NMWSC, a water service provider for the City of Belen. Approximately 110,000 gallons of water will be used to test the pipeline. The discharge will be at a rate that can be accommodated by the NMWSC wastewater treatment system and will likely range between 100 and 300 gallons per minute. No chemicals will be used to dry the pipeline. Because this is a new pipeline, effects on the quality of the water will be limited, but can include an increase in total dissolved solids and total suspended solids, and minor changes to pH due to changes in ionic content; and oil and grease.

m) geological characteristics of the subsurface at the proposed discharge site:

The subsurface geology is composed of Quaternary and Tertiary Alluvial deposits, of the Santa Fe Formation (http://capp.water.usgs.gov/gwa/ch_c/jpeg/C057.jpeg).

n) the depth to and total dissolved solids concentration of the ground water most likely to be affected by the discharge; and

Groundwater elevation data obtained from USGS monitoring well data from two monitoring wells located approximately 1.5 to 2 miles northeast of the proposed discharge location indicate that the static groundwater elevation is approximately 4,792 feet above mean sea level (http://ogw01.er.usgs.gov/countymaps/NM_061.html). Notes prepared on the USGS monitoring wells indicated that they were constructed within the Santa Fe Formation from surface elevations similar to the elevation of the discharge location. Based on this data, groundwater depth beneath the discharge site is expected to be approximately 100 feet below land surface.

The aquifer underlying the site is the Santa Fe Formation. Total dissolved solids are expected to be in the range of 0-500 milligrams per liter based on regional USGS mapping of Rio Grande aquifers (http://capp.water.usgs.gov/gwa/ch_c/jpeg/C063.jpeg).

o) identification of landowners at and adjacent to the discharge and collection/retention site.

The immediate adjacent landowners are Valencia Power, LLC to the north and the Rio Grande Industrial Park, LLC to the south. Adjacent landowners within 1/3 mile of the discharge site are listed on Table 1.

If required, and in accordance with Subsections A and B of 20.6.2.3108 NMAC, Transwestern will provide notice to the general public by posting signs at the discharge site near the discharge site and by publishing a synopsis of the notice (in English and Spanish) in the Valencia County News-Bulletin as specified in Subsection D of 20.6.2.3108 NMAC. In addition, Transwestern will provide written notice by mail to all owners of record of all properties within 1/3 mile of the discharge site and by certified mail to the manager of the discharge site. See Attachment 3 for Draft Public Notice.

Table 1. Landowners Adjacent to the Belen Hydrostatic Discharge Site

Current Assessed Owner	Address	Brief Legal	Adjoining Side to Power Plant
Elizabeth Schnepp	P.O. Box 67, Cisco, IL 61830	Rio Grande Estates, Unit H, Block 1005, Lot 21.	East
Unknown		Rio Grande Estates, Unit H, Block 1005, Lot 22.	East
Bernie P. Graham	22011 Hiawatha Street, Unit 8, Chatsworth, CA 91311	Rio Grande Estates, Unit H, Block 1005, Lot 23.	East
William W. McClellan	300 Valencia Drive S.E., #131, Albuquerque, NM 87108	Rio Grande Estates, Unit H, Block 1005, Lot 24.	East
Paul L. Fisher, Jr., Trustee	1710 Woodrail Avenue, Columbia, MO 65203	Rio Grande Estates, Unit H, Block 1005, Lot 25.	East
May N. Ray	6234 Stage Coach Trail, San Angelo, TX 79601	Rio Grande Estates, Unit H, Block 1005, Lot 25.	East
Henry W. Trebelhorn & Ruth Trebelhorn	7120 Park Avenue South, Minneapolis, MN 55423	Rio Grande Estates, Unit H, Block 1004, Lots 1, 2 & 3.	East
Unknown		Rio Grande Estates, Unit H, Block 1004, Lot 4.	East
Ralph H. Manwiller & Virginia Manwiller	2220 Capri Drive, Clearwater, FL 33515	Rio Grande Estates, Unit H, Block 1004, Lots 5 & 6.	East
Unknown		Rio Grande Estates, Unit H, Block 1004, Lot 7.	East
Clay Holland, Jr. & Mary R. Holland	51 Brookside Road, W. Orange, NJ 07052	Rio Grande Estates, Unit H, Block 1004, Lot 8.	East
Unknown		Rio Grande Estates, Unit H, Block 1004, Lot 9.	East
Grace Fellowship	P.O. Box 448, Los Lunas, NM 87031	Rio Grande Estates, Unit H, Block 1004, Lot 10.	East
Unknown		Rio Grande Estates, Unit H, Block 1004, Lot 11.	East
Frank P. Seminara	C/O Geraldine Seminara, 3562 Coventry Gardens Drive, Las Vegas, NV 89135	Rio Grande Estates, Unit H, Block 1004, Lot 12.	East
Marie C. Powell	1007 Amapola, Torrance, CA 90501	Rio Grande Estates, Unit H, Block 1004, Lot 13.	East
Angel M. Gomez	10012 Plunkett Drive N.W., Albuquerque, NM 87114	Rio Grande Estates, Unit H, Block 1004, Lot 14.	East
City of Belen (**reversionary rights** held by Horizon Corporation)		Property situated within Rio Grande Industrial Park (reserved for the purpose of a railroad spur), located in the Tome Grant.	West
Rio Grande Industrial Park, LLC (**Contract Purchaser**); Horizon Industrial Development Company, LLC (**Record Owner**)	C/O Martin Sisneros, 2300 Roldan Drive, Belen, NM 87002	Tract A-1 (4.2117 acres), Land Division Plat of Tract A, Rio Grande Industrial Park, as shown on Plat, Cabinet J, Page 220; being located in Tome Grant	South
Rio Grande Industrial Park, LLC (**Contract Purchaser**); Horizon Industrial Development Company, LLC (**Record Owner**)	C/O Martin Sisneros, 2300 Roldan Drive, Belen, NM 87002	Tract 4-E-1-A-1 (113.2646 acres), Boundary Survey Plat Lands of Rio Grande Industrial Park, Ltd, Co., as shown on Plat, Cabinet J, Page 425; being located in Tome Grant	North

ATTACHMENT 2
Correspondence

Transwestern Pipeline Company, LLC
Belen Hydrostatic Test Water Discharge
Valencia County, New Mexico

From: Hay, Ron [mailto:RHay@newmexicowater.com]
Sent: Wednesday, March 19, 2008 4:52 PM
To: Dean Shauers
Cc: Hearn, Steven; VanderLyn, Bill; Patterson, Patricia (Lowell,MA-US)
Subject: RE: Belen Lateral - Water Testing Requirements

Dean,
Thank you for providing me with the recap of our discussion this morning. Please accept this reply as confirmation of acceptance of the given requirements for discharge to our sanitary sewer as outlined in your email. If you have any further questions or comments, please feel free to contact me.

Ron Hay, Operations Manager
New Mexico Water Service Company
401 Horner St
Belen, NM 87002
505-453-5511 (cell)

From: Dean Shauers [mailto:Dean.Shauers@rooney-eng.com]
Sent: Wed 3/19/2008 3:28 PM
To: Hay, Ron
Cc: Hearn, Steven; VanderLyn, Bill; Patterson, Patricia (Lowell,MA-US); Dean Shauers
Subject: Belen Lateral - Water Testing Requirements

Ron,
In our discussion this morning you indicated that the only testing required for the water to the NMWS sanitary sewer on Navarro Road would be for pH. The water for the test would be sourced at the NMWS hydrant on the west side of the tracks at Navarro Road. The pH will need to be between pH 6 and pH9 for discharge to the NMWS system. We would provide the lab report(s) to you for your approval prior to any discharge and coordinate on flow-rate and discharge times.

In addition, you indicated that the flow-rate into the sewer system can be approximately 50,000 gallons per day (approximately 35gpm), and that the discharge can be around the clock rather than in the evenings as initially discussed.

Please provide me with confirmation of this understanding I would appreciate it.

Thanks,

Dean Shauers, P. E.
President

ROONEY ENGINEERING, INC.
Engineering for the Energy Industry

Phone: 303-792-5911
Fax: 303-792-0227

From: Risso, Paul [mailto:PRisso@newmexicowater.com]
Sent: Wednesday, February 27, 2008 1:42 PM
To: Dean Shauers
Cc: Beck, Andrew; Geran, Cynthia; Hay, Ron; Towle, Bobby; Zielke, Berniece
Subject: RE: Transwestern: Request for Water Disposal Information
Importance: High

Good afternoon Dean. Per our phone conversation yesterday, this e-mail will serve as New Mexico Water Service Company's (NMWSC) response to Transwestern Pipeline Company's (TPC) request to discharge approximately 110,000 gallons of potable water into NMWSC's wastewater collection system.

As noted in a letter to us from Bill Vander Lynn of TPC dated February 21, 2008, the water to be discharged is being used to hydrostatically test 3.4 miles of new, 12" diameter Carbon Steel Natural Gas Pipeline.

NMWSC Operations Manager Ron Hay has determined that based on the information you've provided, NMWSC will allow such discharges into its wastewater collection system running through Navarro Street in the Rio Grande Industrial Park. However, inasmuch as the wastewater treatment facility receiving these discharges does not have sufficient capacity to treat additional inflows of this size in a single day, NMWSC will need at least 7-days prior notice before you desire to begin discharging so that we can determine how and when such discharges may be made. This can be done by contacting the following NMWSC representatives at our main office - (505) 864-2218, or on their cell phones as noted below:

Ron Hay, Operations Manager - (505) - 453-5511
Bobby Towle, Operations Supervisor (505) 463-1395
Paul Risso, General Manager (505) 264-4839

While NMWSC does not anticipate any negative impacts to the operations of its wastewater treatment facility as a result of the quality or constituents contained in your discharge water, should we have reason to believe this is occurring we will require that you discontinue your discharges. NMWSC will then determine what steps must be taken if we are to continue accepting any discharges. This may include, but not be limited to pretreatment of the water or testing of it by you.

In answer to your e-mail request that we provide you with NMWSC's discharge criteria, please see the attached copy of our Wastewater Discharge Agreement. Given the circumstances, at this point we will not be requiring you to enter into such an agreement, but this will serve as a guideline for you.

Also attached is a copy of NMWSC's Commercial Sewer Service usage rate, which is currently $3.93 per thousand gallons. Based on your estimated discharge of 110,000 gallons the amount you will be charged is as follows:

110,000 gallons / 1,000 gallons per billing unit = 110 billing units
110 billing units X $3.93 = $432.30 usage charge.

Added to this amount are:

Regulatory fees @ .00506%, which equals $2.19 ($432.30 X .00506 = $2.19) and;

Gross Receipts Tax of 6%, which equals $25.94 ($432.30 X .06 = $25.94)

Thus, the total charge due will be $460.43. This e-mail will serve as your invoice. Checks can be delivered or mailed to:

New Mexico Water Service Company
401 Horner Street
Belen, NM 87002

Should you have any other questions or concerns please feel free to contact me at my numbers above.

Sincerely,

Paul Risso
General Manager

From: Dean Shauers [mailto:Dean.Shauers@rooney-eng.com]
Sent: Tue 2/26/2008 2:45 PM
To: Risso, Paul
Cc: Dean Shauers; VanderLyn, Bill
Subject: Transwestern: Request for Water Disposal Information

Hi Paul,
I was asked by Bill Vander Lyn of Transwestern Pipeline to follow-up with you with regard to the disposal of water from a hydrostatic test of a new carbon steel natural gas pipeline being built to the Valencia Power Plant there in Belen (see attached letter for details).

In particular, we would like to have the NMWS discharge criteria for water that is discharged to the sewer system located on Navarro Road (just south of the power plant). If you could forward the criteria via email or via fax (303-792-0227) I would appreciate it.

If you have any questions or would like to talk about specifics of the project please feel to call me at 303-929-6232 (cell) or 303-705-9341.

Thanks,

Dean

From: VanderLyn, Bill [mailto:Bill.VanderLyn@energytransfer.com]
Sent: Thursday, February 21, 2008 1:06 PM
To: prisso@newmexicowater.com
Cc: Dean Shauers; Hearn, Steven; Patterson, Patricia (Lowell,MA-US)
Subject: Request for Water Disposal Information

Dear Mr. Risso,

Attached is a letter requesting authorization for the disposal of hydrostatic test water at your facility.

Please review and provide us with any additional information you require in order to accept the hydrotest water.

Please call me if you have any questions.

Thanks,

Bill Vander Lyn
Transwestern Pipeline
Environmental Scientist
711 Louisiana Street, Suite 900
Houston, Texas 77002

281 - 714 - 2319 (office)
281 - 714 - 2176 (fax)
713 - 248 - 4995 (cell)

Transwestern Pipeline Company, LLC
711 Louisiana Street, Houston TX 77002-2716
Houston Offices 281-714-2000

February 21, 2008

Paul Risso - General Manager
New Mexico Water Service Company
401 Horner St.
Belen, NM 87002

Subject: Transwestern Pipeline - Hydrostatic Test Water Discharge

Dear Mr. Risso,

Transwestern Pipeline Company is constructing a new 3.4 mile long 12" Diameter Carbon Steel Natural Gas Pipeline lateral from our Mainline Transmission System north to the Valencia Power Plant currently under construction in Belen.

As a part of the Department of Transportation requirements the pipeline must be pressure tested prior to being placed in service. Transwestern has plans underway to pressure test the pipeline with potable water received from your firm. The pipeline will require approximately 110,000 gallons for the pressure test. Upon completion of the test Transwestern will need to dispose of the water in a manner consistent with the state of New Mexico. The hydrostatic test is planned for late March or early April of this year.

In discussions with your staff, one alternative that was raised was that Transwestern might be able to dispose of the water in the New Mexico Water Service (NMWS) sewer system running through Navarro Street. It is our understanding that the sewer is processed in a NMWS treatment plant in the vicinity.

Transwestern would like to explore the disposal options with NMWS for this discharge.

As stated, the water would be initially received from your system via the hydrant located on the SW side of the Valencia Power Plant. The natural gas pipeline lateral is being constructed with new carbon steel pipe, and is not internally coated.

Transwestern respectfully requests written documentation from your firm as to the effluent limitations for discharge into the NMWS sewer system.

Please contact me at 281-714-2319 if you have any questions.

Sincerely,

Bill Vander Lyn

Bill Vander Lyn
Environmental Scientist

cc: Brad Jones – NM OCD

NEW MEXICO WATER SERVICE COMPANY - SEWER
THIRD REVISED RATE NO. 2
CANCELING SECOND REVISED RATE NO. 2

COMMERCIAL SEWER SERVICE

Plus use charge of:

$3.93 for each 1,000 gallons of average monthly winter water use.

Average winter water use determined from customer billings made in each January, February, and March period. Monthly charge adjusted on billings made each April and would be constant through March of the following year.

Rates when average monthly winter water use is not known:

The initial monthly rate will be established by estimating average monthly winter water use. This will be determined by the utility company using information readily available to it, and information provided by the customer. Once actual average monthly winter use is known, the utility company will prepare an adjusted customer billing or credit, as applicable, for the difference between the initial rate and the actual rate for all months in which the initial monthly rate was applied.

Charges in addition to those indicated above for customers having sewage with characteristics differing from normal domestic sewage, such as wastewater with an elevated biochemical oxygen demand or industrial wastewater containing heavy metals or other unusual constituents, or wastewater having unusually high intermittent flows:

110 percent of all costs incurred by company for collection, treatment, sampling, analysis, monitoring, administration, professional services, facilities, and equipment which would not have been incurred if customer's sewage had been normal domestic sewage.

Minus Return Flow use credit of: X

$.174 for each 1,000 gallons of average winter water use. X

SERVICE
FOR ON
AUG - 3 2005
BY APPROVED
COMMISSION

Advice Notice No. 8
New Mexico Water Service Co.

Cynthia Geran
Controller

WASTEWATER DISCHARGE AGREEMENT

This agreement entered into this ____th day of ???, 2008 by and between the New Mexico Water Service Company (hereinafter called "UTILITY") and ???, a New Mexico Limited Liability Company (hereinafter called "CUSTOMER").

WHEREAS, CUSTOMER has requested UTILITY to allow wastewater from its facility, located within the UTILITY service area, in Valencia County, New Mexico, to be discharged into the sanitary sewer system to the UTILITY wastewater treatment facility; and

WHEREAS, UTILITY is willing to allow CUSTOMER to discharge wastewater into the sanitary sewer system to the UTILITY wastewater treatment facility on the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the premises, the parties hereby agree as follows:

1. During the period that CUSTOMER discharges wastewater into the sanitary sewer system to the UTILITY wastewater treatment facility, wastewater will be tested at least every six(6) months but no more than twice each month at the sole option of UTILITY to determine the presence and quantity of any elements regulated by the attached addendum, the State of New Mexico Environmental Improvement Division, the Clean Water Act, and U.S. Environmental Protection Agency, all as presently existing and as prospectively amended. All terms of the attached addendum are incorporated into and made a part of this agreement by reference. All testing will be conducted by UTILITY and all testing and its analysis costs will be paid for by CUSTOMER and copies of the analysis shall be provided to CUSTOMER.
2. Any test result indicating a presence of any regulated item of discharge in excess of its prescribed limit shall be a violation of this Agreement for which UTILITY may exercise all remedies recited hereinafter.
3. CUSTOMER will construct a monitoring manhole for immediate and open access to UTILITY.
4. UTILITY will charge CUSTOMER according to its standard commercial (or industrial) rates, as amended, plus all costs and fees provided for herein and in the attached addendum.
5. In the event that UTILITY is compelled or required to undertake, or have undertaken in its behalf, any industrial pretreatment of discharge of the type herein or any additional testing or chemicals at the facility due to this discharge, then all costs incurred therein, to the extent attributable to CUSTOMER discharges, shall be paid by CUSTOMER.
6. In the event of any upset, major discharge, malfunction or irregularity in the operation of the CUSTOMER'S facility, and any resulting contamination of the sanitary sewer line or wastewater treatment facility, or any risk thereof, CUSTOMER shall immediately so notify UTILITY, who may, at its sole option, refuse to accept such discharge upon notice to CUSTOMER. Risk of contamination shall be defined in the attached addendum and as in effect

pursuant to the requirements of the laws and agencies set forth in Section 1 herein.

7. In the event of contamination of the UTILITY wastewater treatment facility, as a result of CUSTOMER'S activities at its facility, CUSTOMER shall pay for all damaged equipment, materials, chemicals, labor, and other costs incurred by UTILITY. "Contamination" as used in this Agreement, shall be defined by the applicable regulatory standards in existence at that time by any public agency with jurisdictional control over the facility.

8. Upon execution of the Agreement, UTILITY shall issue its permit to CUSTOMER to allow the CUSTOMER to discharge into the sanitary sewer to the wastewater treatment facility. However, should future testing indicate a discharge in excess of stated limitations, or in the event of any other non-compliance by CUSTOMER with this Agreement, the attached addendum or any other regulatory standards incorporated herein by reference, UTILITY may, and at its sole descretion, and upon notice to CUSTOMER, terminate the acceptance of discharge and CUSTOMER agrees to hold UTILITY harmless for such termination.

9. CUSTOMER shall notify UTILITY prior to the proposed introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater discharged from its facility. Formal written notification shall be received by UTILITY at least fifteen (15) days prior to such introduction. Written notification of disapproval by UTILITY to CUSTOMER within said fifteen day period shall be conclusive denial of the request of CUSTOMER.

10. CUSTOMER shall allow UTILITY's representatives to enter upon its premises for purposes of inspection or testing.

11. The permit issued to CUSTOMER may be revoked when, after inspection, monitoring or analysis, it is determined that Federal, State, or Local laws, ordinances, or regulations are being violated. Additionally, falsification or intentional misrepresentation of data on statements pertaining to the permit application, this Agreement or any report form shall be cause for permit revocation.

12. The permit is issued to CUSTOMER for its operation and is not assignable to another user or transferable to any other location without the prior written approval of UTILITY. Sale of the facility shall obligate the purchaser to seek prior written approval of UTILITY for Discharge to the sewer system and wastewater treatment facility.

13. The terms and conditions of the permit may be subject to modification by UTILITY at any time as limitations or requirements as identified in the attached addendum are modified or other just cause exists.
    a) the terms and conditions of the permit may be subject to modification by UTILITY at any time as limitations or requirements as identified in the attached addendum are modified or other just cause exists.
    b) The permit may also be modified to incorporate special conditions resulting from the issuance of a special order.
    c) The terms and conditions may be modified as a result of NMED or USEPA Promulgating a new State or Federal pre-treatment standard.
    d) Any permit modifications which result in new conditions shall include a reasonable time schedule for compliance as necessary.

14. The provisions of the permit are severable, and if any provision of the permit, or the application of the permit to any circumstance, is held invalid, then the remainder of the permit shall not be affected thereby.
15. The issuance of the permit will not convey any property rights in either real or personal property, or any exclusive privileges.
16. This Agreement may not be altered except by mutual written Agreement of the parties hereto.
17. The waiver by either party hereto of a breach of any provisions of this Agreement shall not operate or be construed as a waiver of any subsequent breach of the same or any other provisions of this Agreement.
18. In the event of any conflict between a provision or provisions of this Agreement and the attached addendum, or any Federal, State or Local Ordinance, statute or regulation, then said conflict shall be resolved at the sole option of UTILITY in determining the applicable standard.
19. Any notice to be given to CUSTOMER as required by this Agreement shall be given to in writing to ??? Corporation P.O. Drawer ???, Los Lunas, NM, 87031.

DATED this ____th day of ???, 2008.

CUSTOMER	UTILITY
By: _____	By: _____
Title: _____	Title: _____
By: _____	By: _____
Title: _____	Title: _____
By: _____	By: _____
Title: _____	Title: _____

ADDENDUM TO WASTEWATER DISCHARGE AGREEMENT

1. ***Prohibited Discharges***. No person shall discharge or cause to be discharged any storm water, surface water, groundwater, or roof runoff or subsurface drainage to the sanitary sewer.

Prohibited Substances. No person shall discharge or cause to be discharged any of the following described liquids or wastes to the sanitary sewer (of the prohibited substances, the most stringent standard for any listed substance shall apply);

a) any gasoline, benzene, naptha, fuel oil or other flammable or explosive liquid, solid or gas.
b) any waters or wastes containing toxic or poisonous solids, liquids or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with the wastewater facility, constitute a hazard to humans or animals, create a public nuisance or create any hazard in the receiving water of the wastewater treatment works, including but not limited to, cyanides in excess of two-tenths (0.2) mg/L as CN, zinc in excess of two-tenths (0.2) mg/L as Zn, lead in excess of one-tenth (0.1) mg/L as Pb, and copper in excess of one-tenth (0.1) mg/L as Cu in the wastes as discharged to the sanitary sewer.
c) any herbicides and pesticides.
d) any waters or wastes having a pH lower than 5.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the wastewater treatment facility.
e) solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the wastewater facility such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, underground garbage, whole blood, paunch manure, hair and fleshings, entrails, and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
f) any amount of contaminants affecting human health as set forth in the definition of toxic pollutant in New Mexico Water Quality Control Commission Regulations (20 NMAC 6.2), Section 1101 for the combination of contaminants, and the Human Health Standard given in Sections 3103.A and 3103.B and Standards for Irrigation Use, Section 3103.C.
g) any amount of contaminant in excess of the minimum detection limit (MDL) plus 20 percent of the MDL for organic compounds listed in EPA Methods 8260 and 8270 (as required by NM Groundwater Discharge Permit 356 and provided here as Attachment A)
h) any dilution of toxic materials and heavy metals in lieu of removal

2. ***Discharges Subject to Regulation.*** No person shall discharge or cause to be discharged the following described substances, materials, waters or wastes that an harm the wastewater facility or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property or constitute a nuisance. In forming an opinion as to the acceptability of these wastes, UTILITY will give consideration to such capacity of the wastewater facility, degree of treatability of wastes in the wastewater treatment works and other pertinent factors. The substances that must be considered include but are not limited to the following:

a) any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit (150° F or 65°C).

b) any water or waste containing fats, grease, wax or oils, whether emulsified or not, in excess of one hundred (100) mg/L or containing substances that may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150) degrees Fahrenheit

c) any garbage that has not been properly shredded.

d) any waters or wastes containing strong acid, iron pickling wastes or concentrated plating solutions can not be discharged to the wastewater facility unless completely neutralized and approved by UTILITY

e) any waters or wastes containing reducing substances of an organic or inorganic nature, toxic or nontoxic, that exert an immediate chlorine demand not be discharged to the wastewater treatment facility if discharge of the agents will prevent the achievement of adequate chlorine residual in the effluent of the wastewater treatment facility.

f) any waters or wastes containing phenols or other taste or odor-producing substances, in concentrations exceeding limits established by UTILITY after treatment of the composite sewage, to meet the requirements of the State, Federal or other public agencies of jurisdiction for such discharge to the receiving waters.

g) any radioactive wastes or isotopes of such half-life or concentrations as may exceed limits established by UTILITY in compliance with applicable State and Federal regulations.

h) any waters or wastes having a pH in excess of 9.5.

i) materials that exert or cause:

   1) unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries and lime residues) or dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).

   2) excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions)

   3) unusual chemical oxygen demand, or biological oxygen, or chlorine requirements in such quantities as to constitute a significant load on the wastewater treatment facility.

   4) slugs or shocks constituting an unusual volume of flow or concentration of wastes which will disturb the normal functioning of the wastewater treatment facility.

j) Waters or wastes containing substances that are not amenable to treatment or reduction by the wastewater treatment facility, or are

amenable to treatment only to such degree that the effluent cannot met the requirements of agencies having jurisdiction over discharge to the receiving waters.

3. ***UTILITY's Discretion:*** If any waters or wastes are discharged, or are proposed to be discharged, to the sanitary sewer, which waters contain the substances or possess the characteristics enumerated and which in the judgment of UTILITY may have a deleterious effect upon the wastewater facilities, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, UTILITY may:

   a) reject the wastes,
   b) require pretreatment to an acceptable condition for discharge to the sanitary sewer, or
   c) require control over the quantities and rates of discharge.

   If UTILITY permits the pretreatment or equalization of waste flows, the design and installation of the facilitys and equipment shall be subject to the review and approval of UTILITY and the State and subject to the requirements of all applicable codes, and regulations, and laws.

4. ***Testing Commercial/Industrial Wastes.*** Testing an individual waste will be performed at least twice a year or whenever found necessary by UTILITY. The CUSTOMER discharging the waste shall be liable for payment of all costs arising from the testing of the waste.

5. ***Grease, Oil, and Sand Traps.*** Grease, oil, and sand traps shall be provided when, in the opinion of UTILITY they are necessary for the proper handling of liquid wastes containing grease in excessive amounts or any flammable wastes, sand or other harmful ingredients. All traps shall be of a type and capacity approved by UTILITY and shall be located as to be readily and easily accessible for cleaning and inspection.

6. ***Maintenance of Pre-Treatment and Flow-Equalizing Facilities.*** Where pretreatment or flow-equalizing facilities are provided for any commercial/industrial liquid wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.

7. ***Waste Meters; Manholes.*** When required by UTILITY, the CUSTOMER or owner of any property serviced by a building sewer carrying commercial/industrial liquid wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the wastes.

   Such manhole, when required, shall be accessibly and safely located, constructed in such a manner as to prevent infiltration of ground and surface waters and constructed in accordance with plans approved by UTILITY. The manhole shall be installed by the CUSTOMER at his expense and shall be maintained by CUSTOMER so as to be safe and accessible at all times.

8. ***Methods of Testing; Location of Testing Site.*** All measurements, tests and analyses of the characteristics of waters and wastes shall be determined in accordance with the latest State-approved edition of "Standard Methods for the Examination of Water and Wastewater" and shall be determined at the control manhole provided or upon suitable samples taken at such manhole. The control manhole shall be located so that sampling of the industrial waste will be performed before discharge into the sanitary sewer system.
9. ***Sampling and Analysis Methods.*** Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the wastewater treatment facility and to determine the existence of hazards to life, limb, and property. The particular analyses involved will determine whether a twenty-four-hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, COD and BOD analyses are obtained from twenty-four-hour composites of all outfalls whereas pH's are determined from periodic grab samples.
10. ***Access for Sampling.*** UTILITY shall be allowed access to the properties of all sewer users as necessary to sample, test, and measure all wastewater discharges. Failure to allow such access may, at UTILITY'S discretion, be the basis for discontinuance of sewer service to the property to which access is denied.

    DATED this ____th day of ???, 2008.

CUSTOMER	UTILITY
By: _____	By: _____
Title: _____	Title: _____
By: _____	By: _____
Title: _____	Title: _____

ATTACHMENT A

CONTAMINANTS – EPA METHOD 8260
Volatile Organic Compounds

Analyte	Detection Limit (µg/L)	Analyte	Detection Limit (µg/L)
1,1 Dichloroethane	1.0	Carbon tetrachloride	1
1,1 Dichloroethene	1.0	Chlorobenzene	1
1,1,1 Trichloroethane	1.0	Chlorodibromethane	1
1,1,1,2 Tetrachloroethane	1.0	Chloroethane	5
1,1,2 Trichloroethane	1.0	Chloroform	1
1,1,2,2 Tetrachloroethane	1.0	Chloromethane	5
1,2 Dibromomethane (EDB)	1.0	cis-1,2 Dichloroethene	1
1,2 Dichlorobenzene	1.0	Cis-1,3 Dichloropropene	1
1,2 Dichloroethane (EDC)	1.0	Dibromomethane	1
1,2 Dichloropropane	1.0	Ethyl methacrylate	5
1,2,3 Trichloropropane	1.0	Ethylbenzene	1
1,2,4-Trimethylbenzene	1.0	Freon 113	5
1,3 Dichlorobenzene	1.0	Freon 12	10
1,3,5-Trimethylbenzene	1.0	Methyl t-butyl ether (MTBE)	1
1,4 Dichloro-2-butene	10	Methylene chloride	10
1,4 Dichlorobenzene	1.0	Napthalene	5
2-Butanone (MEK)	5.0	o-Xylene	1
2-Hexanone (MBK)	5.0	p/m-Xylenes	2
4-Methyl-2-pentanone (MIBK)	5	Styrene	1
Acetone	10	t-1,2 Dichloroethene	1
Acrolein	20	t-1,3 Dichloropropene	1
Acrylonitrile	20	Tetrachloroethene (PCE)	1
Benzene	1	Toluene	1
Bromodichloromethane	1	Trichlorethene	1
Bromoform	1	Trichloroflouromethane	5
Bromomethane	10	Methyl t-butyl ether (MTBE)	1
Carbon disulfide	5	Vinyl acetate	5

CONTAMINANTS – EPA METHOD 8270

Semivolatile Organic Compounds

Analyte	Detection Limit (µg/L)	Analyte	Detection Limit (µg/L)
1,2,4-Trichlorobenzene	1	Benzo (a) pyrene	1
1,2-Dichlorobenzene	1	Benzo(b&k)fluoranthene	1
1,3-Dichlorobenzene	1	Benzo(g,h,i)perylene	1
1,4-Dichlorobenzene	1	Benzoic acid	25
1-Methylnaphthalene	1	Benzyl alcohol	5
2,3,4,6-Tetrachlorophenol	5	bis(2-Chloroethyl) ether	1
2,4,5-Trichlorophenol	5	bis(2-Chloroethoxy)methane	1
2,4,6-Trichlorophenol	5	bis(2-Chloroisopropyl)ether	1
2,4-Dichlorophenol	5	bis(2-Ethylhexyl)phthalate	5
2,4-Dimethylphenol	0.2	Butylbenzylphthalate	1
2,4-Dinitrophenol	10	Chrysene	1
2,4-Dinitrotoluene	5	Dibenz(a,h)anthracene	1
2,6-Dinitrotoluene	5	Dibenzofuran	1
2-Chloronapthalene	1	Diethylphthalate	1
2-Chlorophenol	1	Dimethylphthalate	1
2-Methylnaphthalene	1	di-n-Octylphthalate	
2-Methylphenol	1	di-n-Octylphthalate	1
2-Nitroaniline	5	Fluoranthene	1
2-Nitrophenol	5	Fluorene	1
3,3-Dichlorobenzidine	10	Hexachlorobenzene	10
3+4 Methylphenol	1	Hexachlorobutadiene	10
3-Nitroaniline	5	Hexachlorocyclopentadiene	10
4,6-Dinitro-2-methylphenol	10	Hexachloroethane	5
4-Bromophenyl-phenylether	1	Indeno(1,2,3-cde)pyrene	1
4-Chloro-3-methylphenol	5	Isophorone	1
4-Chloroaniline	5	Naphthalene	1
4-Chlorophenyl-phenylether	1	Nitrobenzene	1
4-Nitroaniline	5	n-Nitroso-dimethyl-amine	10
4-Nitrophenol	10	n-Nitroso-di-n-propylamine	1
Acenaphthene	1	n-Nitrosodiphenylamine	1
Acenaphthylene	1	Pentachlorophenol	10
Aniline	10	Phenanthrene	1
Anthracene	1	Phenol	10
Azobenzene & 1,2-Diphenylhydrazine	1	Pyrene	1
Benzo (a) anthracene	1	Pyridine	10

-----Original Message-----
From: Niles, Ryan (Lowell,MA-US)
Sent: Friday, February 29, 2008 3:35 PM
To: Patterson, Patricia (Lowell,MA-US)
Subject: FW: FW: Hydrostatic Discharge

Pat,

The deposits are quaternary sediments around Belen.
There are some sand and gravel quarries in the area (according to the attached) but no subsurface mines.

-Ryan

-----Original Message-----
From: Gretchen Hoffman [mailto:gretchen@gis.nmt.edu]
Sent: Thursday, February 28, 2008 4:58 PM
To: Niles, Ryan (Lowell,MA-US)
Cc: Maureen Wilks
Subject: Re: FW: Hydrostatic Discharge

Ryan:
I looked at Open-file report 462 on Construction aggregates on NM State
Trust Lands - within that report the NM highway department folios have been scanned. The area you are interested in is on Quad 53 - the Belen 15 min quadrangle. I have extracted the associated pages for this map and am attaching the pdf file. You can download the entire open-file report from our website at

http://geoinfo.nmt.edu/publications/openfile/downloads/OFR400-499/451-475/462/
or ftp://geoinfo.nmt.edu/open-files/OFR400-499/451-475/462

Regards
Gretchen Hoffman

Niles, Ryan (Lowell,MA-US) wrote:
> Gretchen and Maureen,
>
>
> You both helped us a few months ago regarding a hydrostatic test water
> discharge permit. One of the requirements of the permit application is
> that we demonstrate that our proposed discharge location does not
> overlie an underground mine. The previous location you cleared for us
> was in San Juan County. Now we have a proposed discharge location
> outside Belen, NM. There is no Township/Range/Section data for this area.
>
> Below is an email that I sent to Bob Eveleth that has not received an
> answer. Could you please take a look at the specified location and
> provide as assessment of the presence of underground mines?
>
> Thank You,

> Ryan Niles
> Environmental Geologist
> TRC
> Wannalancit Mills
> 650 Suffolk Street
> Lowell, MA 01854
> Phone: (978) 656-3629
> Fax: (978) 453-1995
> e-mail: rniles@trcsolutions.com <mailto:rniles@trcsolutions.com>
>
> ---
>
> *From:* Niles, Ryan (Lowell,MA-US)
> *Sent:* Monday, February 18, 2008 2:50 PM
> *To:* 'beveleth@gis.nmt.edu'
> *Cc:* Patterson, Patricia (Lowell,MA-US)
> *Subject:* Hydrostatic Discharge
>
> Mr. Eveleth,
>
> I contacted you a few weeks ago regarding a permit for hydrostatic test
> water discharge that required me to confirm that our proposed discharge
> location. Now I have another discharge location for which I must
> confirm the same.
>
> The location of this proposed discharge is outside Belen in Valencia
> County. Unfortunately, there is no Township, Range, and Section
> information for this area. I can tell you that the proposed discharge
> location is 34° 36' 26.21" N, 106° 43' 56.46" W. There is a topo map
> showing the location attached.
>
> Thank You.
>
> Ryan Niles
> Environmental Geologist
> TRC
> Wannalancit Mills
> 650 Suffolk Street
> Lowell, MA 01854
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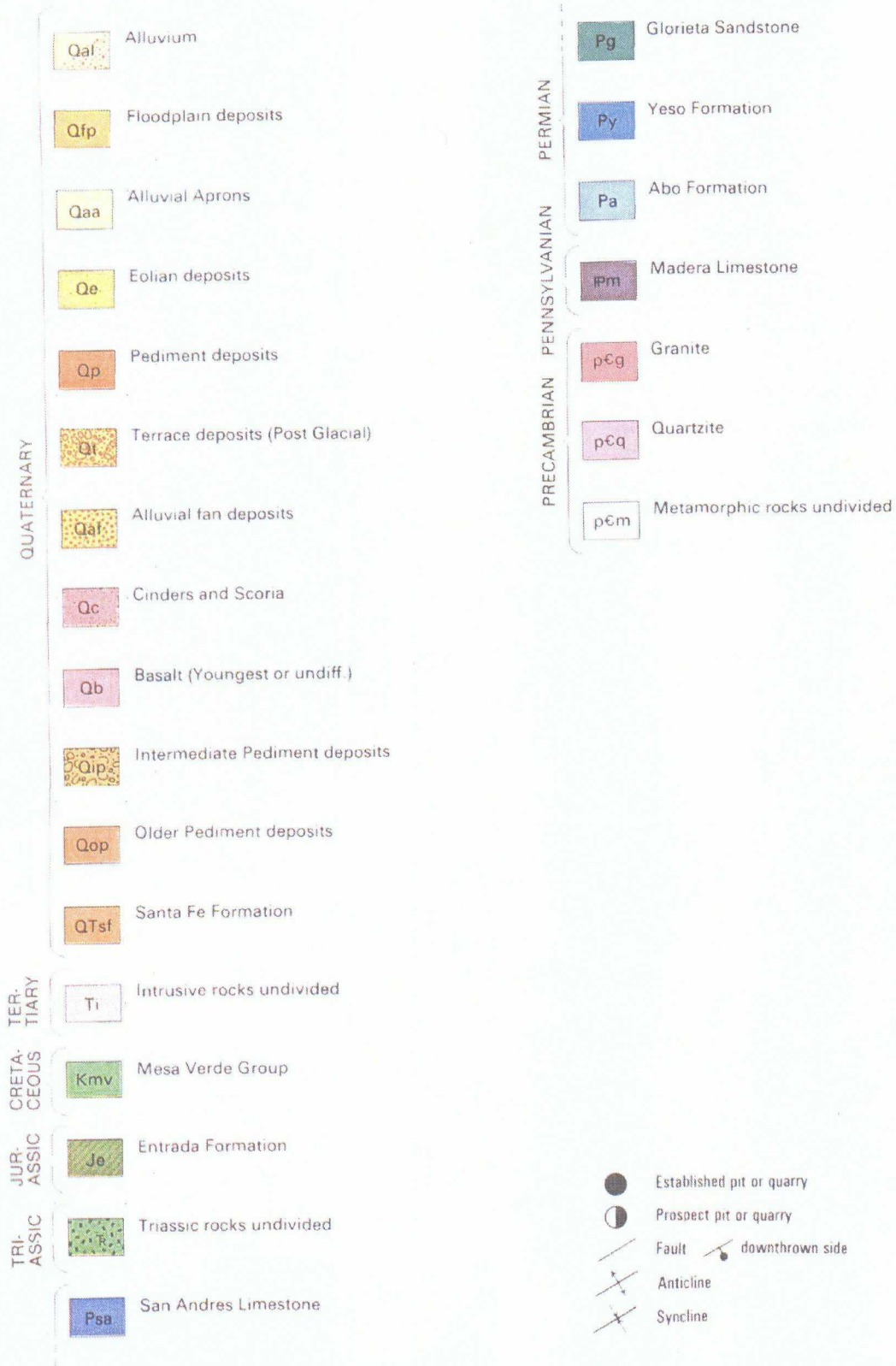
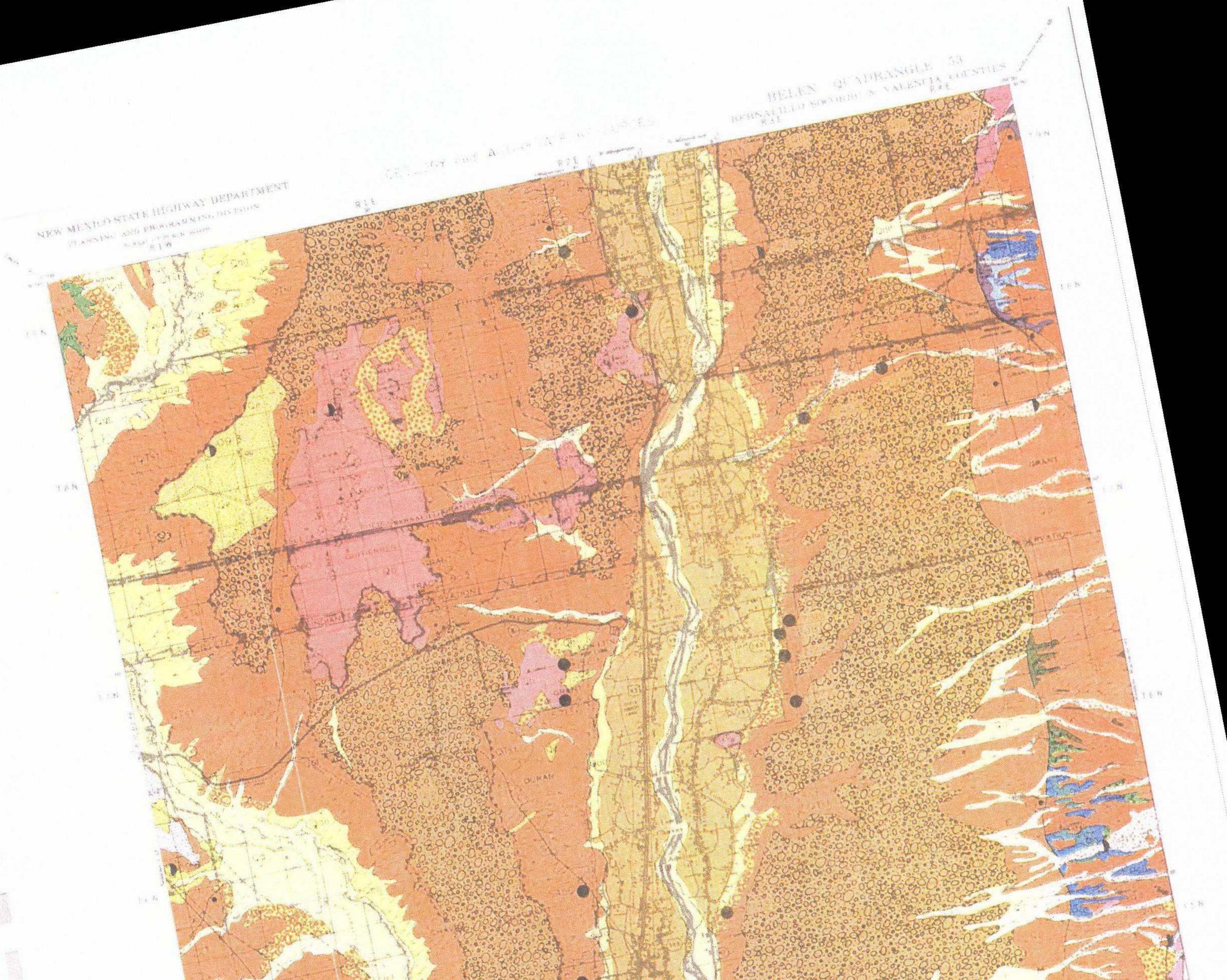
>

EXPLANATION

QUAD No. 53




NEW MEXICO STATE HIGHWAY DEPARTMENT
PLANNING AND PROGRAMMING DIVISION
BELEN QUADRANGLE 53
BERNALILLO SOCORRO & VALENCIA COUNTIES
R1W
R1E
R2E
R3E
R4E
BELEN
QUADRANGLE
53

CONSTRUCTION MATERIALS INVENTORY

MATERIAL PIT SUMMARY

Pit Number		5455	5456	55103	55104
Location	Section	not sectionalized	not sectionalized	not sectionalized	not sectionalized
	Township & Range	Belen Grant	Nicolas Duran de Chavez Grant	Casa Colorado Grant	Belen Grant
	County	Valencia	Valencia	Valencia	Valencia
Formation		QTsf	Qt	Qt	QTsf
Rock Type		sand and gravel	sand and gravel	sand and gravel	sand and gravel
Source Rock (Gravel)		various	limestone and various	various	various
Quality of Material		fair	good	good	fair
Thickness of Material		76' plus	10' plus	8'	12'
Thickness of Cap (Caliche)			-	-	-
Material Underlying Formation		silt and clay	sandstone	gravel and sand	clay
Vegetation		cacti and grass	grass and greasewood	grass	greasewood and grass
Local Terrain		dissected slope	mesa slope	hilly	slope
Thickness of Overburden		3'	0-2'	0-3'	0-6'
P. I. (Overburden)		N.P.	N.P.	N.P.	N.P.
Estimated Quantity (cu. yds)		500,000	150,000 plus	200,000	200,000
Los Angeles Wear		29.4	28.0	26.2	26.0
Soundness Loss		6.1	8.6	3.5	15.0
Average Maximum Size		2"	2"	4"	2"
% Retained on 2" Sieve		1	6	11	3
Pit Average % Passing	Crushed to:	1"	as received	as received	as received
	2"	-	97	100	100
	1"	100	90	84	98
	½"	98	79	62	92
	No. 4	68	59	45	74
	No. 10	45	42	38	57
	No. 200	5	5	10	3
Plasticity Index		N.P.	N.P.	N.P.	N.P.

Remarks:

Pit Number		5697	5698	5704	57104
Location	Section	not sectionalized	not sectionalized	NE 26	not sectionalized
	Township & Range	Casa Colorado Grant	Casa Colorado Grant	8N 3E	Tome claim
	County	Socorro	Socorro	Valencia	Valencia
Formation		Qt	Qt	QTsf	Qe
Rock Type		sand and gravel	sand and gravel	sand and gravel	sand
Source Rock (Gravel)		various	various	limestone	-
Quality of Material		fair	fair	good	good
Thickness of Material		12'	13' plus	10' plus	6'
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		clay	silt and clay	clay	sandstone @ depth
Vegetation		cacti and grass	cacti and grass	grass	grass
Local Terrain		hilly	dissected terraces	slope	rolling
Thickness of Overburden		1-4'	1-6'	1-5'	0-2'
P. I. (Overburden)		8	6	N.P.	N.P.
Estimated Quantity (cu. yds.)		100,000	100,000	200,000	100,000
Los Angeles Wear		28.8	29.0	24.4	S.E. = 49.0
Soundness Loss		1.1	3.0	0.5	-
Average Maximum Size		3"	3"	16"	-
% Retained on 2" Sieve		18	15	25	-
Pit Average % Passing	Crushed to:	1"	1"	2"	as received
	2"	-	-	100	-
	1"	100	100	71	-
	½"	68	81	53	10:100
	No. 4	47	57	37	40:96
	No. 10	31	38	31	80:67
	No. 200	2	3	2	200:25
Plasticity Index		N.P.	N.P.	N.P.	N.P.

Remarks:

MATERIAL PIT SUMMARY

Pit Number		57133	57136	57143	6401
Location	Section	SW31	Not sectionalized	Not sectionalized	Not sectionalized
	Township & Range	7N 3E	San Clemente Grant	Tome claim	Belen Grant
	County	Valencia	Valencia	Valencia	Valencia
Formation		Qt	Qb	QTsf	QTsf
Rock Type		sand and gravel	basalt and dacite	sand and gravel	sand and gravel
Source Rock (Gravel)		various	-	various	various
Quality of Material		good	good	good	good
Thickness of Material		10' plus	70' plus	12' plus	20' plus
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		silt	silt	clay	clay
Vegetation		sage and grass	tumble weed and grass	grass	grass
Local Terrain		dissected terrace	side hill	dissected terrace	slope
Thickness of Overburden		2'	none	none	2'
P. I. (Overburden)		N.P.	-	-	N.P.
Estimated Quantity (cu. yds)		150,000	150,000	100,000	250,000
Los Angeles Wear		25.6	31.2	27.2	29.4
Soundness Loss		1.5	1.5	-	-
Average Maximum Size		6"	8'	3"	2"
% Retained on 2" Sieve		7	95	7	3
Pit Average % Passing	Crushed to:	2"	2"	2"	as received
	2"	100	100	93	100
	1"	70	54	90	96
	½"	40	28	69	88
	No. 4	31	15	51	68
	No. 10	26	10	10	50
	No. 200	1	2	0	6
Plasticity Index		N.P.	N.P.	N.P.	N.P.

Remarks:

Pit Number		6468	6529	6739	6741
Location	Section	NW33	Not sectionalized	Not sectionalized	NE10
	Township & Range	8N 3E	San Clemente Grant	Pajarito Grant	8N 2E
	County	Valencia	Valencia	Bernalillo	Bernalillo
Formation		Qal	Qb	QTsf	Qp(2)
Rock Type		sand and gravel	dacite	sand and gravel	sand and gravel
Source Rock (Gravel)		various	-	various	limestone and various
Quality of Material		good	good	good	good
Thickness of Material		12' plus	12' plus	12' plus	14'
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		clay and sand	-	clay	clay
Vegetation		grass	grass	grass	grass
Local Terrain		canyon bottom	mountainous	slope	mesa top
Thickness of Overburden		2-4'	6'	1-6'	2'
P. I. (Overburden)		5	N.P.	N.P.	6
Estimated Quantity (cu. yds.)		100,000	500,000	250,000	250,000
Los Angeles Wear		20.0	21.2	24.4	25.2
Soundness Loss		1.2	7.4	2.8	3.6
Average Maximum Size		3"	6"	3"	2"
% Retained on 2" Sieve		9	18	7	2
Pit Average % Passing	Crushed to:	as received	as received	as received	as received
	2"	86	52	89	86
	1"	82	37	79	69
	½"	74	32	68	55
	No. 4	57	27	58	41
	No. 10	43	24	51	34
	No. 200	6	11	1	3
Plasticity Index		N.P.	N.P.	N.P.	N.P.

Remarks:

MATERIAL PIT SUMMARY

Pit Number		6822	7208	7301	0913
Location	Section	NE7	NW31	SE30	SW15
	Township & Range	6N 3E	7N 3E	7N 3E	8N 1W
	County	Valencia	Valencia	Valencia	Bernalillo
Formation		Qt	Qt	QTsf	Qe
Rock Type		sand and gravel	sand and gravel	sand and gravel	sand
Source Rock (Gravel)		various	various	various	-
Quality of Material		excellent	excellent	good	fair
Thickness of Material		10' plus	15'	14' plus	1-3'
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		sandstone	sand	clay	siltstone
Vegetation		grass	grass	grass	grass
Local Terrain		hilly	rolling	rolling	hilly
Thickness of Overburden		0-3'	0-2'	0-2'	0-2'
P. I. (Overburden)		N.P.	N.P.	N.P.	N.P.
Estimated Quantity (cu. yds)		250,000	100,000	175,000	150,000
Los Angeles Wear		21.2	24.0	23.9	S.E. = 79
Soundness Loss		3.6	2.8	1.9	-
Average Maximum Size		3"	4"	4"	-
% Retained on 2" Sieve		6	10	10	-
Pit Average % Passing	Crushed to:	as received	as received	as received	as received
	2"	94	88	87	
	1"	75	86	77	
	½"	65	77	61	10:100
	No. 4	57	65	43	40:98
	No. 10	53	53	20	80:58
	No. 200	4	4	4	200:10
Plasticity Index		N.P.	N.P.	N.P.	N.P.
Remarks:					

Pit Number		0914	0915	0916	0917
Location	Section	NE18	SE32	NW12	Not sectionalized
	Township & Range	8N 1E	9N 3E	8N 4E	La de Padilla Grant
	County	Bernalillo	Bernalillo	Bernalillo	Valencia
Formation		Qc	QTsf	Psa	Qal
Rock Type		scoria and cinders	coarse sand	limestone	gravel
Source Rock (Gravel)		-	various	-	various
Quality of Material		good	good	good	poor
Thickness of Material		50'plus	6-10'	10'	5' plus
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		dacite @ depth	clay	shale	clay
Vegetation		-	grass	grass and trees	sage and grass
Local Terrain		mountainous	dissected slope	mountainous	sloping plain
Thickness of Overburden		-	0-2'	-	6'
P. I. (Overburden)		-	N.P.	-	N.P.
Estimated Quantity (cu. yds.)		300,000	300,000	500,000	15,000 plus
Los Angeles Wear		48.4	25.2	37.8	26.4
Soundness Loss		5.7	-	12.9	-
Average Maximum Size		-	3/4"	-	6"
% Retained on 2" Sieve		-	none	-	30
Pit Average % Passing	Crushed to:	1"	as received	2"	as received
	2"	-	-	100	65
	1"	100	100	58	54
	½"	51	94	26	45
	No. 4	30	79	12	34
	No. 10	22	66	7	21
	No. 200	3	1	1	8
Plasticity Index		N.P.	N.P.	N.P.	17
Remarks:					

CONSTRUCTION MATERIALS INVENTORY

QUADRANGLE PAGE 53 (4)

MATERIAL PIT SUMMARY

Pit Number		0918	0919	0920	0921
Location	Section	SE12	Not sectionalized	Not sectionalized	Not sectionalized
	Township & Range	6N 2W	Tome claim	Tome Claim	Tome claim
	County	Valencia	Valencia	Valencia	Valencia
Formation		Ti	Psa	p€q	Qaf
Rock Type		diorite w/basalt	limestone	quartzite	gravel
Source Rock (Gravel)		-	-	-	granite and various
Quality of Material		good	good	good	good
Thickness of Material		2-10'	10' plus	75'	25' plus
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		sandstone	shale	-	-
Vegetation		grass	greasewood	trees	grass and trees
Local Terrain		hilly	hilly	mountainous	mountainous
Thickness of Overburden		0-2'	0-2'	-	0-2'
P. I. (Overburden)		N.P.	6 plus	-	N.P.
Estimated Quantity (cu. yds)		175,000	200,000	500,000	175,000
Los Angeles Wear		15.1	35.2	19.2	19.7
Soundness Loss		2.5	25.8	3.8	6.1
Average Maximum Size		-	-	-	6"
% Retained on 2" Sieve		-	-	-	15
Pit Average % Passing	Crushed to:	1"	1"	1"	2"
	2"	-	-	-	100
	1"	100	100	100	57
	½"	48	65	94	25
	No. 4	19	23	17	11
	No. 10	9	13	9	6
	No. 200	2	3	1	2
Plasticity Index		N.P.	N.P.	N.P.	N.P.

Remarks:

Pit Number		
Location	Section	
	Township & Range	
	County	
Formation		
Rock Type		
Source Rock (Gravel)		
Quality of Material		
Thickness of Material		
Thickness of Cap (Caliche)		
Material Underlying Formation		
Vegetation		
Local Terrain		
Thickness of Overburden		
P. I. (Overburden)		
Estimated Quantity (cu. yds.)		
Los Angeles Wear		
Soundness Loss		
Average Maximum Size		
% Retained on 2" Sieve		
Pit Average % Passing	Crushed to:	
	2"	
	1"	
	½"	
	No. 4	
	No. 10	
	No. 200	
Plasticity Index		
Remarks:		

MATERIAL PIT SUMMARY

Pit Number		6822	7208	7301	0913
Location	Section	NE7	NW31	SE30	SW15
	Township & Range	6N 3E	7N 3E	7N 3E	8N 1W
	County	Valencia	Valencia	Valencia	Bernalillo
Formation		Qt	Qt	QTsf	Qe
Rock Type		sand and gravel	sand and gravel	sand and gravel	sand
Source Rock (Gravel)		various	various	various	-
Quality of Material		excellent	excellent	good	fair
Thickness of Material		10' plus	15'	14' plus	1-3'
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		sandstone	sand	clay	siltstone
Vegetation		grass	grass	grass	grass
Local Terrain		hilly	rolling	rolling	hilly
Thickness of Overburden		0-3'	0-2'	0-2'	0-2'
P. I. (Overburden)		N.P.	N.P.	N.P.	N.P.
Estimated Quantity (cu. yds)		250,000	100,000	175,000	150,000
Los Angeles Wear		21.2	24.0	23.9	S.E. = 79
Soundness Loss		3.6	2.8	1.9	-
Average Maximum Size		3"	4"	4"	-
% Retained on 2" Sieve		6	10	10	-
Pit Average % Passing	Crushed to:	as received	as received	as received	as received
	2"	94	88	87	
	1"	75	86	77	
	½"	65	77	61	10:100
	No. 4	57	65	43	40:98
	No. 10	53	53	20	80:58
	No. 200	4	4	4	200:10
Plasticity Index		N.P.	N.P.	N.P.	N.P.
Remarks:					

Pit Number		0914	0915	0916	0917
Location	Section	NE18	SE32	NW12	Not sectionalized
	Township & Range	8N 1E	9N 3E	8N 4E	La de Padilla Grant
	County	Bernalillo	Bernalillo	Bernalillo	Valencia
Formation		Qc	QTsf	Psa	Qal
Rock Type		scoria and cinders	coarse sand	limestone	gravel
Source Rock (Gravel)		-	various	-	various
Quality of Material		good	good	good	poor
Thickness of Material		50'plus	6-10'	10'	5' plus
Thickness of Cap (Caliche)		-	-	-	-
Material Underlying Formation		dacite @ depth	clay	shale	clay
Vegetation		-	grass	grass and trees	sage and grass
Local Terrain		mountainous	dissected slope	mountainous	sloping plain
Thickness of Overburden		-	0-2'	-	6'
P. I. (Overburden)		-	N.P.	-	N.P.
Estimated Quantity (cu. yds.)		300,000	300,000	500,000	15,000 plus
Los Angeles Wear		48.4	25.2	37.8	26.4
Soundness Loss		5.7	-	12.9	-
Average Maximum Size		-	3/4"	-	6"
% Retained on 2" Sieve		-	none	-	30
Pit Average % Passing	Crushed to:	1"	as received	2"	as received
	2"	-	-	100	65
	1"	100	100	58	54
	½"	51	94	26	45
	No. 4	30	79	12	34
	No. 10	22	66	7	21
	No. 200	3	1	1	8
Plasticity Index		N.P.	N.P.	N.P.	17
Remarks:					

-----Original Message-----

e-mail: rniles@trcsolutions.com

-----Original Message-----
From: Robert Eveleth [mailto:beveleth@gis.nmt.edu]
Sent: Tuesday, March 04, 2008 1:37 PM
To: Niles, Ryan (Lowell,MA-US)
Subject: Re: Hydrostatic Discharge

Hi Ryan:
The site in question lies completely within the alluvial fill of the Rio Grande valley. There are no mines or prospects of any kind in the area. It is possible that a few scattered sand/gravel pits are nearby but the "Turn" 7-1/2 minute topographic sheet shows no such features. Since you didn't specifically state as much I am hoping this is the information you needed? Feel free to contact me if I may be of further assistance.
Regards,
Bob Eveleth
Senior Mining Engineer

Niles, Ryan (Lowell,MA-US) wrote:
>
> Previously-sent message below.
>
> **********
>
> Mr. Eveleth,
>
> I contacted you a few weeks ago regarding a permit for hydrostatic
> test water discharge that required me to confirm that our proposed
> discharge location. Now I have another discharge location for which I
> must confirm the same.
>
> The location of this proposed discharge is outside Belen in Valencia
> County. Unfortunately, there is no Township, Range, and Section
> information for this area. I can tell you that the proposed discharge
> location is 34° 36' 26.21" N, 106° 43' 56.46" W. There is a topo map
> showing the location attached.
>
> Thank You.
>
> Ryan Niles
> Environmental Geologist
> TRC
> Wannalancit Mills
> 650 Suffolk Street
> Lowell, MA 01854
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