HIP - 79

GENERAL CORRESPONDENCE

YEAR(S):
2005 - 2002

PNM

A personal commitment to New Mexico

April 15, 2005

Ed Martin
State of New Mexico
Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505

Dear Mr. Martin:

Subject: Request for assignment of Hydrostatic Discharge Permit HI-079

The Public Service Company of New Mexico (PNM) is acting on behalf of Luna Power Company LLC, formerly known as Duke Energy Luna LLC. Duke Energy Luna LLC has legally changed names to Luna Power Company LLC. Luna Power Company LLC is proposing to resume construction of a 16" natural gas line to serve the Luna Energy Facility. Please refer to the enclosed map for reference. This facility was originally slated for construction in 2002 but was never completed. Previously, Duke Energy Luna LLC applied for and was granted a Hydrostatic Test Discharge permit number HI-079 from the State of New Mexico Oil Conservation Division. Luna Power Company LLC requests that this permit be reactivated and assigned to Luna Power Company LLC who accepts all future responsibility for the construction of the proposed 16" Natural Gas Pipeline.

The discharge associated with this project will occur at the Luna Energy Facility in the SW1/4,SW1/4, Section 16, T23S, R9W. This location is referred to as discharge point A on the enclosed map. Discharge point A would be into an existing storm water pond at the site and would not have contact with surface water supplies. The discharge will be derived from a hydrostatic test from a new 16" diameter pipeline and is estimated to be approximately 309,000 gallons. The water used for the test will be taken from a fresh water source, the Peru Hill Mill Well. Complete analytical tests have been done on this source and are within the required limits. The depth of ground water at the discharge site is approximately 163 feet, according to data from nearby water well logs provided by the NM State Engineers Office.

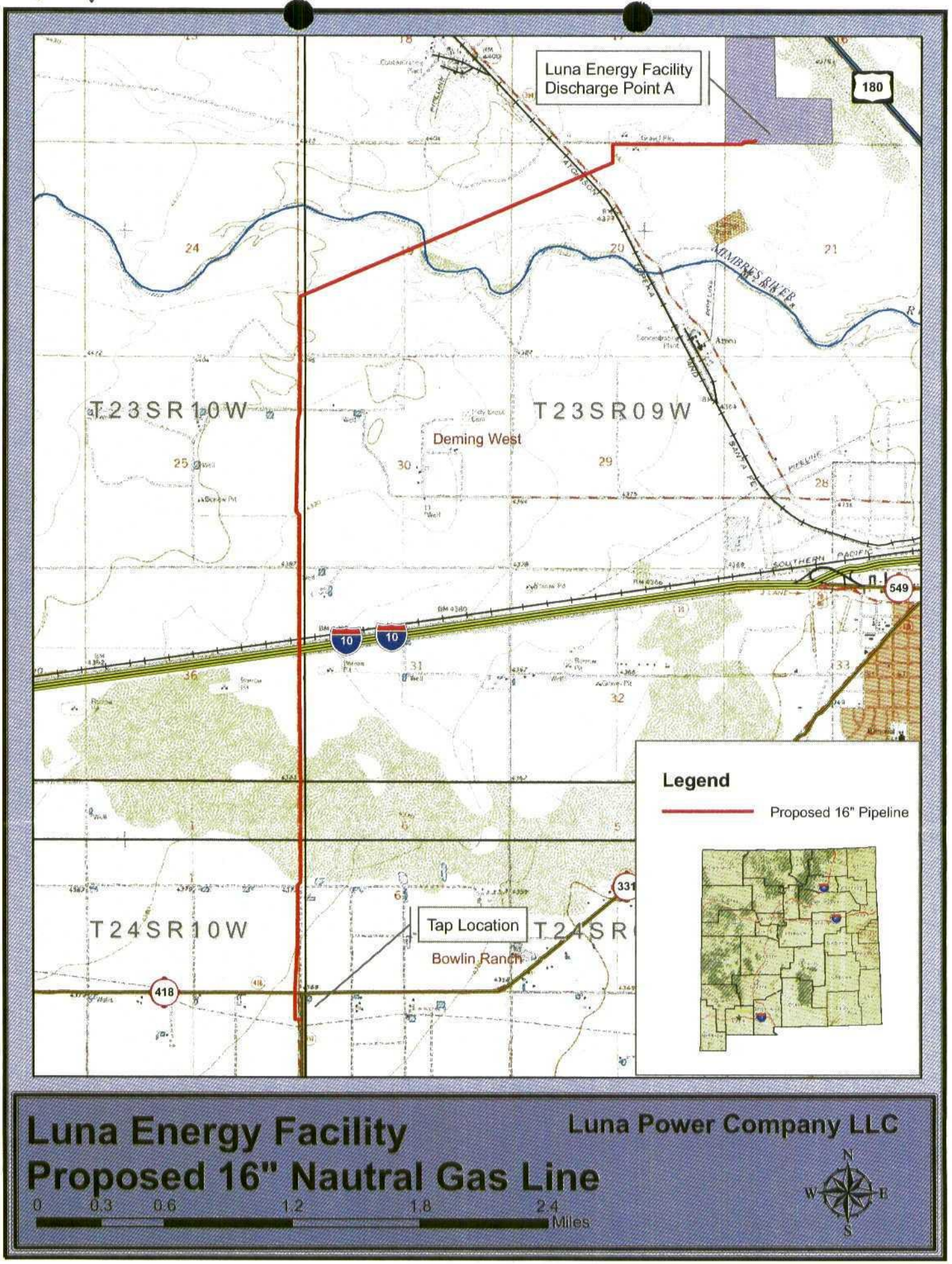
Luna Power Company intends to start construction of the pipeline the first part of July 2005 and expects to complete the project by August 15, 2005.Based on our conversation on 4/15/2005 it appears that OCD will be able to re-activate Hydrostatic Test Discharge Permit HI-079 and assign to Luna Power Company LLC. Your earliest consideration of this request is appreciated. Should you have any questions concerning this particular project or wish to discuss it in greater detail, please call me at (505) 241-0625.

Sincerely,

Curtis J. Winner
Environmental Scientist
Public Service Company of New Mexico
Alvarado Square Mail Stop 2104
Albuquerque, NM 87518-2104
(505) 241-0625

Cc: Steve Willard, PNM
Vince Cimino, PNM
Larry Zimmerman, Fluor Construction
File

Enc : 1 Project area Map



Luna Energy Facility
Proposed 16" Nautral Gas Line

Luna Power Company LLC

0 0.3 0.6 1.2 1.8 2.4 Miles

N W E S

HI-079

STATE OF NEW MEXICO
ENERGY MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

✓ Telephone ____ Personal Time 9:30 Date 8-19-02

Originating Party: Tankard Floyd, Trigon Sheehan

Other Parties: Marlyn Kielig

Subject: Hydro Static test Postponed For Possibly 1 year. 120 days is Still Good 120 days From Start of Discharge.

Discussion: Please Have Someone Notify the OCD of when the Actual test will take Place So the File can be updated.

Conclusions or Agreements: Permit will Be good at that time

Distribution

Signed: Marlyn Kielig

Kieling, Martyne

From: tfloyd@trigon-sheehan.com
Sent: Tuesday, August 13, 2002 7:36 AM
To: mkieling@state.nm.us
Subject: Luna County Lateral Discharge

Martyne:

Thanks for your help yesterday on the discharge permit for the Luna County Lateral pipeline job. The $250 check should arrive addressed to you today via FedEx. If you can email me something by Wednesday, it would be great. Please call/email with any questions. Thanks.

Tankard Floyd
Environmental Coordinator
Trigon-Sheehan, LLC

Your Pipeline To The Future

New Mexico
Environmental Department
State Water Quality Board
Oil Conservation Division

Notice of Intent
and
Permit Application
for
Hydrostatic Test Discharge

LUNA COUNTY LATERAL

Prepared for:

Duke Energy Luna, LLC
5400 Westheimer Court
Houston, Texas 77056

Prepared by:

Trigon-Sheehan, LLC
126 Rock Point Drive
Durango, CO 81301

June 24, 2002

TRIGON SHEEHAN
ENGINEERS & CONSTRUCTORS

DISCHARGE PERMIT
Guidelines For Hydrostatic Test Discharge Test Dewatering
(Revised 5/89)

I. General Conditions:

A. No water used in the hydrostatic testing of a petroleum pipeline shall be discharged in unauthorized pits, in any watercourse or in any other place or manner which may constitute a hazard to fresh water supplies.

Answer: Discharge Point A (the north end of the pipeline) would discharge into an settling lagoon and would not have contact with a fresh water supply (Exhibit A). (Discharge Point B may be requested in the future and would utilize a filtration device as shown Exhibit B)

B. In order for hydrostatic test wastewater to be discharged in an area where it may reach fresh water supplies, it must be demonstrated that the wastewater discharge will meet or be better than the quality of the receiving waters and/or not cause the ground water to exceed standards as set in Section 3103 A, B, and C of New Mexico Water Quality Control Commission Regulations.

Answer: Post test water analysis would not be required because discharge would not have contact with fresh water supplies.

C. All analyzes of samples will include, but are not limited to, major anions and cations (Ca, Na, K, HCO3, CO3, Cl, SO4), heavy metals (As, Ba, Cd, Pb, Hg, Se, Fe, Zn), aromatic and halogenated hydrocarbons screens, TDS, Fe, Mn, pH and conductivity. (Consultation with the OCD has determined that additional analysis for heavy metals and PAH was not applicable to this project.)

Answer: Please see Exhibit C for Test Water Analysis.

II. A hydrostatic test of new pipelines that utilize more than 100,000 gallons of water.

A. Map showing location of the pipelines to be tested:
(Please see Exhibit D for Location Map.)

B. Description of test:
The pipeline is 31,000 feet in length and 16" in diameter. Approximately 309,000 gallons of water will be used from the Peru Hill Mill Well. The test is scheduled for 9/27/02 – 9/30/02. Discharge Point A point would utilize a settling lagoon and would not have contact with fresh water.

C. Source and analysis of test water:
The Peru Hill Mill Well would provide the source of water for the hydrostatic test.
(Analysis of the test water is provided in Exhibit C.)

D. Point of discharge of the test water:
There are two discharge points for the test water. Discharge Point A is located at the north end of the pipeline at the DENA energy Facility (Exhibit A). (Discharge Point B may be requested in the future and is located at the south end of the pipeline.)

E. Method and location for collection and retention of fluids and solids:
Discharge at Point A would be retained in a settling lagoon.

F. Depth of ground water at discharge and collection/retention site:
The ground water level at Discharge Point A is approximately 163 feet. The data was derived from nearby water well logs and was provided by Tom Watly of the New Mexico State Engineers Office.

G. Proposed method of disposal of fluids and solids after test completion including closure of any pits:
Discharge at Point A would be into a settling lagoon, which is part of the DENA Energy Facility and would not be closed after test.

H. Identification of landowners at and adjacent to discharge and collection/retention site:
(Please see Exhibit E.)

I. Written permission from land owner of the collection/retention site:
(Please see Exhibit E.)

EXHIBIT A
Discharge Locations

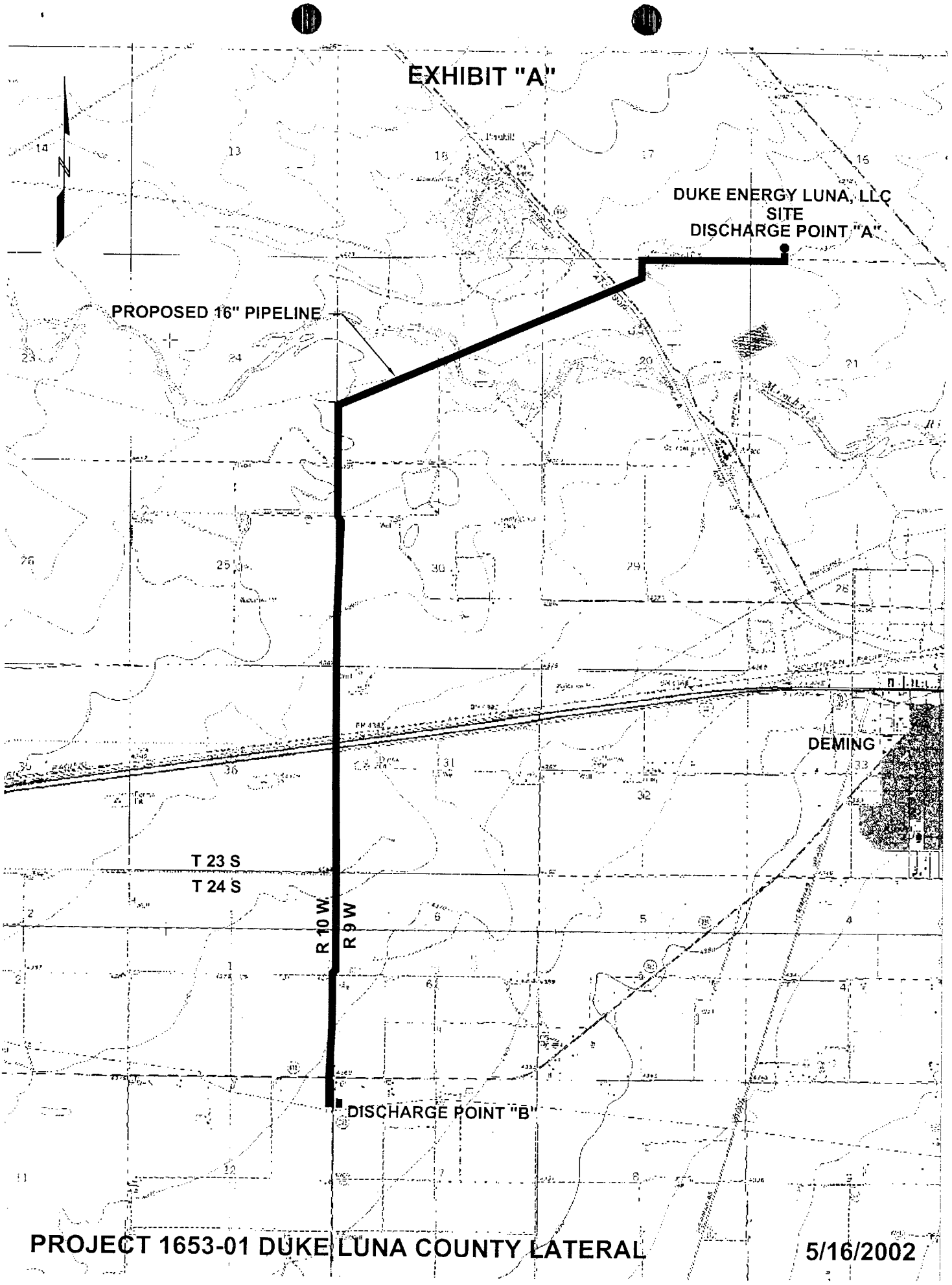
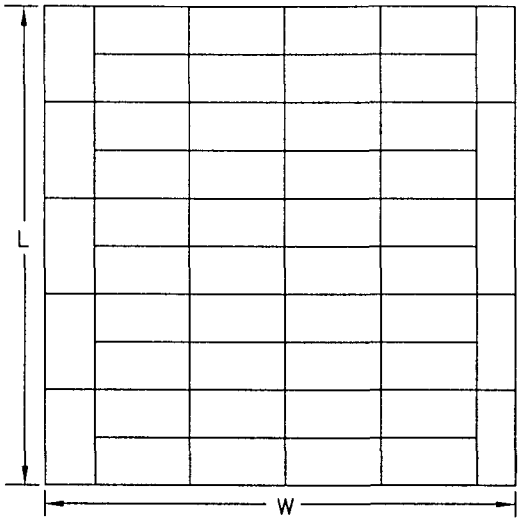


EXHIBIT "A"
DUKE ENERGY LUNA, LLC
SITE
DISCHARGE POINT "A"
PROPOSED 16" PIPELINE
DEMING
T 23 S
T 24 S
R 10 W
R 9 W
DISCHARGE POINT "B"
PROJECT 1653-01 DUKE LUNA COUNTY LATERAL
5/16/2002

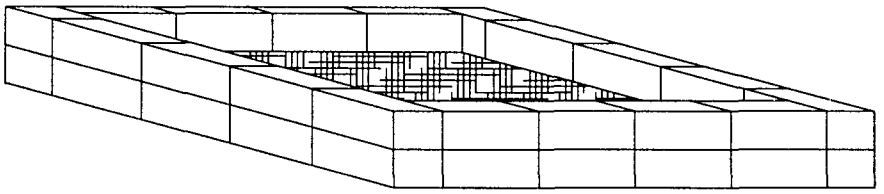
EXHIBIT B
Typical Filtration Schematic

TYPICAL DEWATERING STRUCTURE

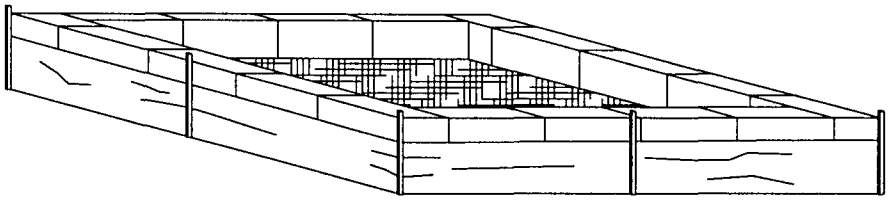
DG 4.3.30



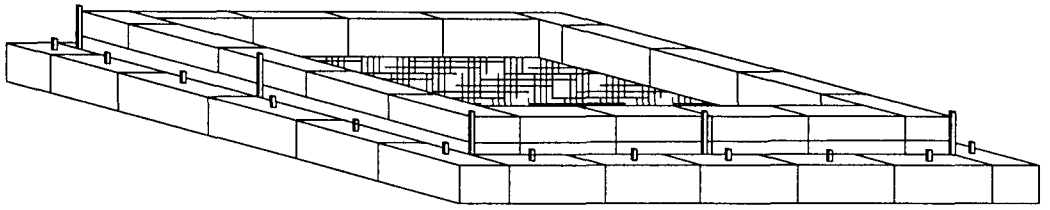
STEP 1: ARRANGE STRAW BALES ON LEVEL GROUND TIGHTLY PACKED AS SHOWN.



STEP 2: INSTALL ANOTHER LAYER OF STRAW BALES ON THE OUTER EDGE AS SHOWN.



STEP 3: INSTALL SILT FENCE ALL AROUND STRUCTURE AS SHOWN.



STEP 4: INSTALL ANOTHER LAYER OF STRAW BALES ON THE OUTSIDE OF SILT FENCE AND SECURE BY DRIVING STAKES THROUGH EACH LAYER OF THE BALES.

NO.	DESCRIPTION	CHECKED	DATE	APPROVED	DATE
0	ISSUED AS EXHIBIT B	TF	6/10/02	TF	6/10/02

TRIGON SHEEHAN ENGINEERS & CONSTRUCTORS

DOCUMENT NUMBER: DESIGN GUIDE 4.3.30

REVISION: 0

EXHIBIT C
Pre-Test Water Analysis

Certificate of Analysis

Lab ID Number	Sample Description	Type	Collection Date
22021581	Peru Hill	Water	6/14/2002

Physical Data			
Property	Concentration	Units	Method
Total Dissolved Solids (TSS)	210	mg/L	EPA 160.1
Specific Conductance	340	umhos/cm	SM2510B
Total Suspended Solids (TDS)	< 4.0	mg/L	EPA 160.2
pH	8.03	units	SM 4500

Major Cations			
Property	Concentration	Units	Method
Calcium (Ca)	28,000	ug/L	EPA 200.7
Iron (Fe)	< 10	ug/L	EPA 200.7
Iron (Fe), Dissolved	< 10	ug/L	EPA 200.7
Magnesium (Mg)	5,800	ug/L	EPA 200.7
Potassium (K)	2,100	ug/L	EPA 200.7
Sodium (Na)	35,000	ug/L	EPA 200.7

Major Anions			
Property	Concentration	Units	Method
Alkalinity, Carbonate (CaCO3)	< 1.0	mg/L	EPA 310.1
Alkalinity, Hydroxide (CaCO3)	< 1.0	mg/L	EPA 310.1
Alkalinity, Bicarbonate (CaCO3)	187	mg/L	EPA 310.1
Chloride	6.1	mg/L	EPA 300.0
Fluoride	< 1.0	mg/L	EPA 300.1
Nitrogen, Ammonia	< 0.1	mg-N/L	EPA 350.1
Nitrogen, Nitrate	0.5	mg-N/L	EPA 353.2
Orthophosphate	0.10 *	mg-P/L	EPA 365.1
Phosphate, Total	< 0.02*	mg-P/L	EPA 365.1
Silica, reactive	19	mg-Si/L	EPA 200.7
Silica, Total	17	mg-Si/L	SM4500
Sulfate	11	mg/L	EPA 300.0

* The O-PO4 and TP results were performed by a vendor lab an appear to be outside historical trends. Lab QC was within limits, but some method bias may be present with the O-PO4 results . The TP results are in-line with historical results, and probably should be used as the estimated O-PO4 concentration too.

Biological Data			
Property	Concentration	Units	Method
Nitrogen, Total Kjeldahl	0.8 *	mg-N/L	EPA 351.2

* The TKN analysis was performed by a vendor lab and appear to be outside historical trends. Lab QC was within limits, but some method bias may be present.

Trace Metals				
Property	Total conc.	Filtered conc.	Units	Method
Aluminum (Al)	2.5		ug/L	EPA 200.8
Arsenic (As)	4.2		ug/L	EPA 200.8
Barium (Ba)	14		ug/L	EPA 200.8
Boron (B)	< 100		ug/L	EPA 200.7
Cadmium (Cd)	< 0.50		ug/L	EPA 200.8
Chromium (Cr)	2.7		ug/L	EPA 200.8
Cobalt (Co)	< 1.0		ug/L	EPA 200.8
Copper (Cu)	3.8		ug/L	EPA 200.8
Lead (Pb)	< 2.0		ug/L	EPA 200.8
Lithium (Li)	17		ug/L	EPA 200.7
Manganese (Mn)	< 1.0		ug/L	EPA 207.1
Mercury (Hg)	< 0.2		ug/L	EPA 245.1
Molybdenum (Mo)	2.4		ug/l	EPA 200.8
Nickel (Ni)	< 2.0		ug/L	EPA 200.8
Selenium (Se)	< 2.0		ug/L	EPA 200.8
Strontium (Sr)	190		ug/L	EPA 200.7
Thallium (Tl)	< 2.0		ug/L	EPA 200.8
Tin (Sn)	< 50		ug/L	EPA 200.7
Titanium (Ti)	< 10		ug/L	EPA 200.7
Uranium (U)	3.9		ug/L	EPA 200.8
Vanadium (V)	15		ug/L	EPA 200.8
Zinc (Zn)	1.7		ug/L	EPA 200.8

Organic Date			
Property	Concentration	Units	Method

No VOC compounds detected above analytical reporting limit, range < 2.0 to 20 ug/L.

Field blank had no reportable hits.

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # 11717
Nevada Department of Conservation and Natural Resources
Oklahoma Department of Environmental Quality Certification # 9930
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Caroline (DENR) Certification # 248

Sample ID # : **22021581** Job # : **02-JUN-0300**

Sample Description: **PERU HILL MILL WELL**

Collection Date: **14-Jun-02 15:45:00** Site : **DEMING** Sample Type: **SITE TESTING** Desktop #

VOC IN WATER BY GC/MS - 8260

Test Code: **MS8260_W** Test Method: **SW-846 5030B/8260B** Date Posted: **06/18/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 2.0 ug/L	2.0 ug/L	0
Chloromethane	< 2.0 ug/L	2.0 ug/L	0
Vinyl chloride	< 2.0 ug/L	2.0 ug/L	0
Bromomethane	< 5.0 ug/L	5.0 ug/L	0
Chloroethane	< 2.0 ug/L	2.0 ug/L	0
Trichlorofluoromethane	< 2.0 ug/L	2.0 ug/L	0
Acrolein	< 20 ug/L	20 ug/L	1
1,1-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 2.0 ug/L	2.0 ug/L	0
Acetone	< 20 ug/L	20 ug/L	1
Methyl iodide	< 2.0 ug/L	2.0 ug/L	0
Carbon disulfide	< 2.0 ug/L	2.0 ug/L	0
Methylene chloride	< 2.0 ug/L	2.0 ug/L	0
Acrylonitrile	< 20 ug/L	20 ug/L	1
MTBE	< 2.0 ug/L	2.0 ug/L	0
trans-1,2-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
Isopropyl ether	< 2.0 ug/L	2.0 ug/L	0
1,1-Dichloroethane	< 2.0 ug/L	2.0 ug/L	0
Vinyl acetate	< 2.0 ug/L	2.0 ug/L	0
2,2-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
cis-1,2-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
2-Butanone	< 5.0 ug/L	5.0 ug/L	0
Chloroform	< 2.0 ug/L	2.0 ug/L	0
1,1-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0
1,1,1-Trichloroethane	< 2.0 ug/L	2.0 ug/L	0
Carbon tetrachloride	< 2.0 ug/L	2.0 ug/L	0
Bromochloromethane	< 2.0 ug/L	2.0 ug/L	0
Benzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichloroethane	< 2.0 ug/L	2.0 ug/L	0
Trichloroethene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
Dibromomethane	< 2.0 ug/L	2.0 ug/L	0
Bromodichloromethane	< 2.0 ug/L	2.0 ug/L	0
2-Chloroethyl vinyl ether	< 2.0 ug/L	2.0 ug/L	1
cis-1,3-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0
4-Methyl-2-pentanone (MIBK)	< 2.0 ug/L	2.0 ug/L	0
Toluene	< 2.0 ug/L	2.0 ug/L	0
trans-1,3-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # 11717
Nevada Department of Conservation and Natural Resources
Oklahoma Department of Environmental Quality Certification # 9930
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99006 North Carolina (DENR) Certification # 248

Sample ID # : **22021581** Job # : **02-JUN-0300**

Sample Description: **PERU HILL MILL WELL**

Collection Date: **14-Jun-02 15:45:00** Site : **DEMING** Sample Type: **SITE TESTING** Desktop #

VOC IN WATER BY GC/MS - 8260

Test Code: **MS8260_W** Test Method: **SW-846 5030B/8260B** Date Posted: **06/18/02**

	Result	Reporting Limit	Flag
1,1,2-Trichloroethane	< 2.0 ug/L	2.0 ug/L	0
1,3-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
Tetrachloroothene	< 2.0 ug/L	2.0 ug/L	0
2-Hexanone	< 2.0 ug/L	2.0 ug/L	0
Dibromochloromethane	< 2.0 ug/L	2.0 ug/L	0
1,2-Dibromoethane (EDB)	< 2.0 ug/L	2.0 ug/L	0
Chlorobenzene	< 2.0 ug/L	2.0 ug/L	0
Isopropylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,1,1,2-tetrachloroethane	< 2.0 ug/L	2.0 ug/L	0
Ethylbenzene	< 2.0 ug/L	2.0 ug/L	0
m-p-Xylene	< 4.0 ug/L	4.0 ug/L	0
o-Xylene	< 2.0 ug/L	2.0 ug/L	0
Styrene	< 2.0 ug/L	2.0 ug/L	0
Bromoform	< 2.0 ug/L	2.0 ug/L	0
1,4-Dichlorobutane	< 2.0 ug/L	2.0 ug/L	0
1,1,2,2-Tetrachloroethane	< 2.0 ug/L	2.0 ug/L	0
1,2,3-Trichloropropane	< 2.0 ug/L	2.0 ug/L	0
n-Propyl benzene	< 2.0 ug/L	2.0 ug/L	0
Bromobenzene	< 2.0 ug/L	2.0 ug/L	0
1,3,5-trimethylbenzene	< 2.0 ug/L	2.0 ug/L	0
2-Chlorotoluene	< 2.0 ug/L	2.0 ug/L	0
4-Chlorotoluene	< 2.0 ug/L	2.0 ug/L	0
t-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,2,4-Trimethylbenzene	< 2.0 ug/L	2.0 ug/L	0
sec-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
p-Isopropyltoluene	< 2.0 ug/L	2.0 ug/L	0
1,3-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
1,4-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
n-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dibromo-3-chloropropane	< 2.0 ug/L	2.0 ug/L	0
1,2,4-Trichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
Hexachlorobutadiene	< 2.0 ug/L	2.0 ug/L	0
Naphthalene	< 2.0 ug/L	2.0 ug/L	0
1,2,3-Trichlorobenzene	< 2.0 ug/L	2.0 ug/L	0

Duke Energy

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Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22021582** Job # : **02-JUN-0300**

Sample Description: **PERU HILL MILL WELL-FIELD BLANK**

Collection Date: **14-Jun-02 15:45:00** Site : **DEMING** Sample Type: **SITE TESTING** Desktop #

VOC IN WATER BY GC/MS - 8260

Test Code: **MS8260_W** Test Method: **SW-846 5030B/8260B** Date Posted: **06/18/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 2.0 ug/L	2.0 ug/L	0
Chloromethane	< 2.0 ug/L	2.0 ug/L	0
Vinyl chloride	< 2.0 ug/L	2.0 ug/L	0
Bromomethane	< 5.0 ug/L	5.0 ug/L	0
Chloroethane	< 2.0 ug/L	2.0 ug/L	0
Trichlorofluoromethane	< 2.0 ug/L	2.0 ug/L	0
Acrolein	< 20 ug/L	20 ug/L	1
1,1-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 2.0 ug/L	2.0 ug/L	0
Acetone	< 20 ug/L	20 ug/L	1
Methyl iodide	< 2.0 ug/L	2.0 ug/L	0
Carbon disulfide	< 2.0 ug/L	2.0 ug/L	0
Methylene chloride	< 2.0 ug/L	2.0 ug/L	0
Acrylonitrile	< 20 ug/L	20 ug/L	1
MTBE	< 2.0 ug/L	2.0 ug/L	0
trans-1,2-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
Isopropyl ether	< 2.0 ug/L	2.0 ug/L	0
1,1-Dichloroethane	< 2.0 ug/L	2.0 ug/L	0
Vinyl acetate	< 2.0 ug/L	2.0 ug/L	0
2,2-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
cis-1,2-Dichloroethene	< 2.0 ug/L	2.0 ug/L	0
2-Butanone	< 5.0 ug/L	5.0 ug/L	0
Chloroform	< 2.0 ug/L	2.0 ug/L	0
1,1-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0
1,1,1-Trichloroethane	< 2.0 ug/L	2.0 ug/L	0
Carbon tetrachloride	< 2.0 ug/L	2.0 ug/L	0
Bromochloromethane	< 2.0 ug/L	2.0 ug/L	0
Benzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichloroethane	< 2.0 ug/L	2.0 ug/L	0
Trichloroethene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
Dibromomethane	< 2.0 ug/L	2.0 ug/L	0
Bromodichloromethane	< 2.0 ug/L	2.0 ug/L	0
2-Chloroethyl vinyl ether	< 2.0 ug/L	2.0 ug/L	1
cis-1,3-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0
4-Methyl-2-pentanone (MIBK)	< 2.0 ug/L	2.0 ug/L	0
Toluene	2.7 ug/L	2.0 ug/L	1
trans-1,3-Dichloropropene	< 2.0 ug/L	2.0 ug/L	0

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # 11717
Nevada Department of Conservation and Natural Resources
Oklahoma Department of Environmental Quality Certification # 9930
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22021582** Job # : **02-JUN-0300**

Sample Description: **PERU HILL MILL WELL-FIELD BLANK**

Collection Date: **14-Jun-02 15:45:00** Site : **DEMING** Sample Type: **SITE TESTING** Desktop #

VOC IN WATER BY GC/MS - 8260

Test Code: **MS8260_W** Test Method: **SW-846 5030B/8260B** Date Posted: **06/18/02**

	Result	Reporting Limit	Flag
1,1,2-Trichloroethane	< 2.0 ug/L	2.0 ug/L	0
1,3-Dichloropropane	< 2.0 ug/L	2.0 ug/L	0
Tetrachloroethene	< 2.0 ug/L	2.0 ug/L	0
2-Hexanone	< 2.0 ug/L	2.0 ug/L	0
Dibromochloromethane	< 2.0 ug/L	2.0 ug/L	0
1,2-Dibromoethane (EDB)	< 2.0 ug/L	2.0 ug/L	0
Chlorobenzene	< 2.0 ug/L	2.0 ug/L	0
Isopropylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,1,1,2-tetrachloroethane	< 2.0 ug/L	2.0 ug/L	0
Ethylbenzene	< 2.0 ug/L	2.0 ug/L	0
m-p-Xylene	< 4.0 ug/L	4.0 ug/L	0
o-Xylene	< 2.0 ug/L	2.0 ug/L	0
Styrene	< 2.0 ug/L	2.0 ug/L	0
Bromoform	< 2.0 ug/L	2.0 ug/L	0
1,4-Dichlorobutane	< 2.0 ug/L	2.0 ug/L	0
1,1,2,2-Tetrachloroethane	< 2.0 ug/L	2.0 ug/L	0
1,2,3-Trichloropropane	< 2.0 ug/L	2.0 ug/L	0
n-Propyl benzene	< 2.0 ug/L	2.0 ug/L	0
Bromobenzene	< 2.0 ug/L	2.0 ug/L	0
1,3,5-trimethylbenzene	< 2.0 ug/L	2.0 ug/L	0
2-Chlorotoluene	< 2.0 ug/L	2.0 ug/L	0
4-Chlorotoluene	< 2.0 ug/L	2.0 ug/L	0
t-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,2,4-Trimethylbenzene	< 2.0 ug/L	2.0 ug/L	0
sec-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
p-Isopropyltoluene	< 2.0 ug/L	2.0 ug/L	0
1,3-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
1,4-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
n-Butylbenzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
1,2-Dibromo-3-chloropropane	< 2.0 ug/L	2.0 ug/L	0
1,2,4-Trichlorobenzene	< 2.0 ug/L	2.0 ug/L	0
Hexachlorobutadiene	< 2.0 ug/L	2.0 ug/L	0
Naphthalene	< 2.0 ug/L	2.0 ug/L	0

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Sample ID # : **22021582** Job # : **02-JUN-0300**

Sample Description: **PERU HILL MILL WELL-FIELD BLANK**

Collection Date: **14-Jun-02 15:45:00** Site : **DEMING** Sample Type: **SITE TESTING** Desktop #

VOC IN WATER BY GC/MS - 8260

Test Code: **MS8260_W** Test Method: **SW-846 5030B/8260B** Date Posted: **06/18/02**

	Result	Reporting Limit	Flag
1,2,3-Trichlorobenzene	< 2.0 ug/L	2.0 ug/L	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

Sample Name	FIELD BLK//22021582	Data File Name	17JUN04.D
Misc Info	02-JUN-0300//PERU HILL//RUSH	Data File Path	C:\MSDCHEM\1\DATA\061702\

Tentatively Identified Compounds Report

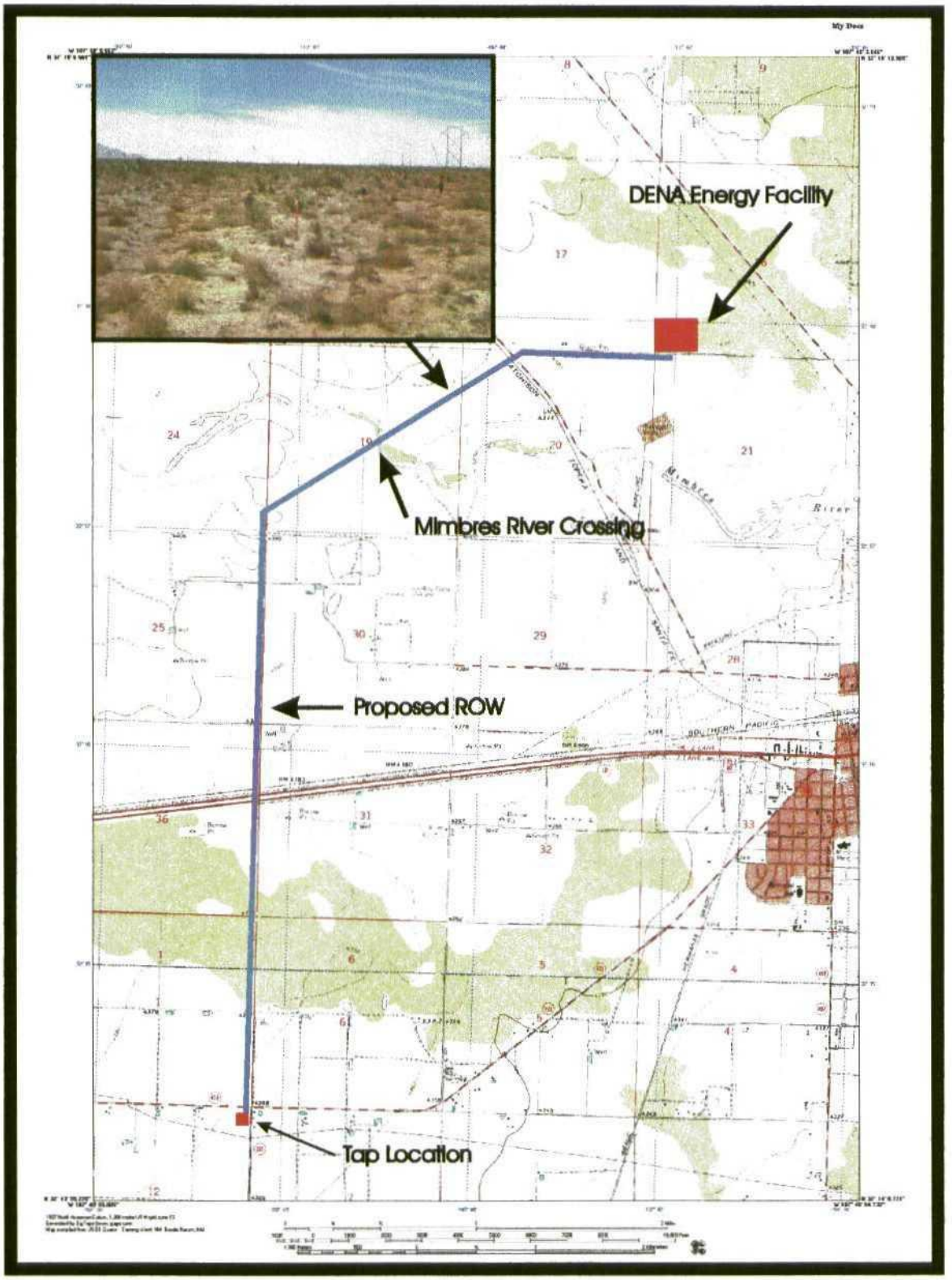
Compound	Estimated Concentration (ug/L)	Library Match Probability (%)	Retention Time (Minutes)	Identification Basis		Comments
				Library Match	Manual Interpretation	
no TICS						

Internal Standard	RT (Minutes)
Pentafluorobenzene	3.64
D4-1,4-Difluorobenzene	4.50
Chlorobenzene D-5	9.74
D-4 1,4-Dichlorobenzene	13.73

Surrogates	% Recovery
Dibromofluoromethane	96
Toluene D-8	98
1,4-Bromofluorobenzene	87

USEPA-8260 G.C. Conditions
25mx0.2mmx1.12um/HP-624

EXHIBIT D
Location Map



TRIGON SHEEHAN
ENGINEERS & CONSTRUCTORS

LOCATION MAP

(Not Derived From Survey Data)

Deming West and Bowlin Ranch
7.5 USGS Quadrangles
Luna County, NM

APPENDIX A

Luna County Lateral
Duke Energy Luna, LLC

EXHIBIT E
Landowner Notification

Duke Energy North America

Duke Energy Luna, LLC
P.O. Box 469
Deming, NM 88031

(505) 544-8780 OFFICE
(505) 544-8791 FAX

July 10, 2002

Mr. Frank Fisher
Site Manager
Duke Energy Luna, LLC

Dear Sir:

As part of the proposed Luna County Lateral Pipeline project, a hydrostatic test discharge permit is required by the New Mexico Oil Conservation Division. This permit allows water to be discharged from the pipe, which would be used to test pipe integrity prior to operation. This water will be fresh water, the pipe will be new pipe, and the water will be filtered through hay bales before discharging, resulting in little or no impurities in the discharged water.

As stipulated by the permit, written permission from the owner of the land where test water is scheduled to be discharged is required. Accordingly, we kindly request your written authorization to proceed with this discharge on your property. At your earliest convenience, please sign the following letter or draft a similar one of your own and send it to the following person/address:

Grady L. Allen
Project Director
Duke Energy Luna, LLC
1895 Arrowhead Dr. NW
Deming, NM 88030

If you have any questions, please feel free to contact me at 505-544-8780. Thank you for your assistance and cooperation on this project.

Respectfully submitted,

Frank Fisher for Grady Allen
Grady L. Allen
Project Director
Duke Energy Luna, LLC

Date: 7/10/02

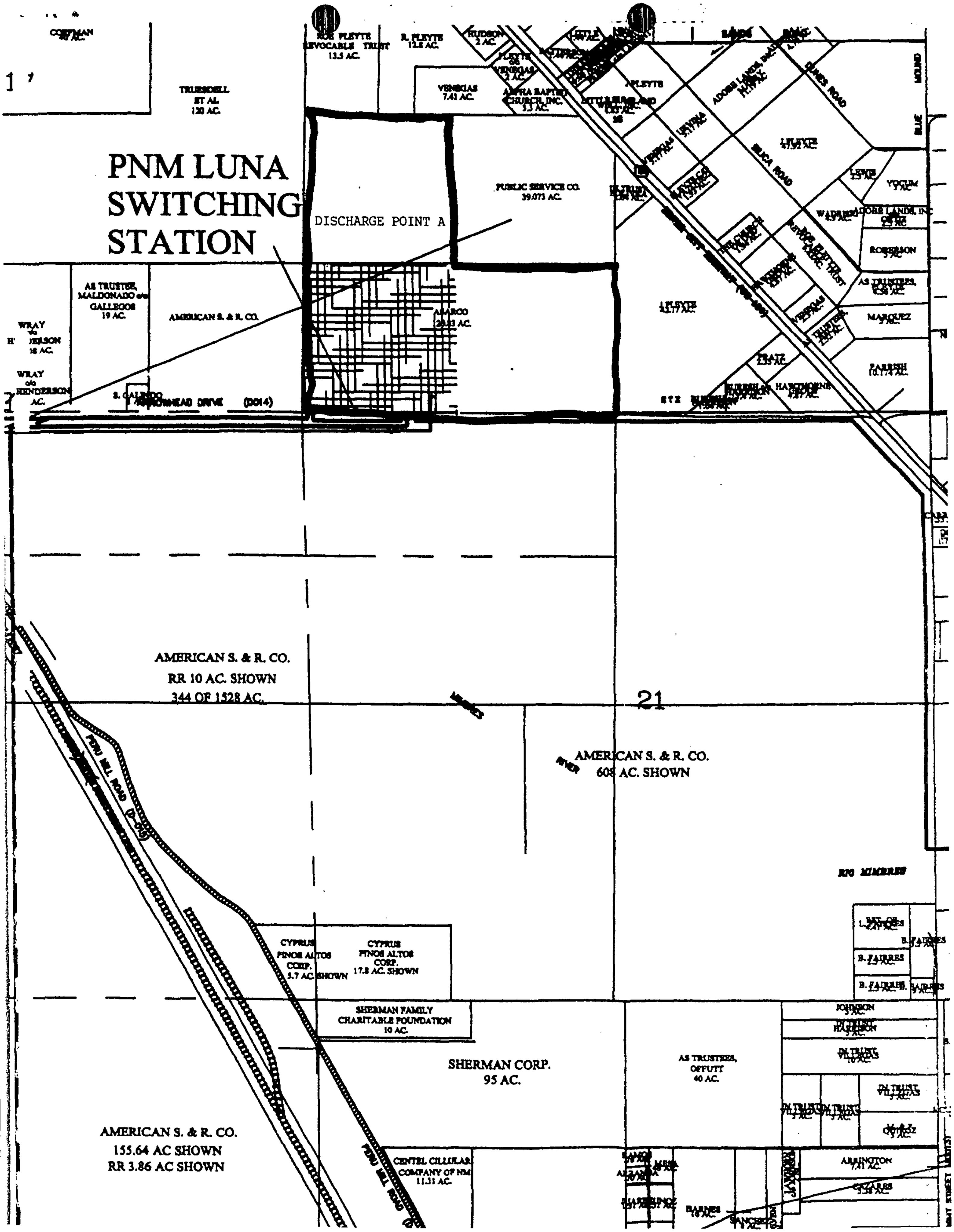
Mr. Grady Allen
Project Director
Duke Energy Luna, LLC
P.O. Box 469
Deming, NM 88031

Mr. Allen

Please accept this letter as written permission for Duke Energy Luna, LCC to discharge approximately 309,000 gallons of water onto my property in either the Storm Water Pond or the Evaporation Pond, per the letter dated 7-10-02.

Sincerely

Frank Deike



PNM LUNA
SWITCHING
STATION
DISCHARGE POINT A
PUBLIC SERVICE CO.
39.073 AC.
ASARCO
20.13 AC.
AMERICAN S. & R. CO.
TRUESDELL
ET AL
120 AC.
VENEGIAS
7.41 AC.
ARROWHEAD DRIVE
(D014)
AMERICAN S. & R. CO.
RR 10 AC. SHOWN
344 OF 1528 AC.
21
AMERICAN S. & R. CO.
608 AC. SHOWN
RIO MIMBRES
CYPRUS
PINOS ALTOS
CORP.
17.8 AC. SHOWN
SHERMAN FAMILY
CHARITABLE FOUNDATION
10 AC.
SHERMAN CORP.
95 AC.
AS TRUSTEES,
OFFUTT
40 AC.
CENTEL CELLULAR
COMPANY OF NM
11.31 AC.
AMERICAN S. & R. CO.
155.64 AC SHOWN
RR 3.86 AC SHOWN
PERU MILL ROAD
ROBERSON
MARQUEZ
PARRISH
JOHNSON
ARRINGTON
7.41 AC.

ENERGY, MIN[illegible]ALS AND NATURAL RESOUR[illegible]S DEPT.

-521

NO. 128132

Official Receipt

Date: 8-13 ~~19~~ 2002

Received from: RC TRIGON EXEMPTION HI-079

Dollar Amount $ 250.00

DR CR.	AMOUNT NUMBER	CENTER NUMBER	CREDIT AMOUNT	DEPOSIT NUMBER	WORK ORDER NO.
~~60~~	~~4290~~				
60	4291				
60	3450				
60	3451				
60	3410				
60	4210				
~~60~~	~~4240~~				
60			$ 250.00		
60					
60					
60					

TOTAL $ 250.00

By [illegible signature]

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. 51234 dated 8-12-02,
or cash received on 8-13-02 in the amount of $ 250.00
from TRIGON-SHEEHAN
for HI-079 (Facility Name) For Duke Energy Luna LLC
Submitted by: Martyne Kieling (DP No.) Date: 8-13-02
Submitted to ASD by: Martyne Kieling Date: 8-13-02
Received in ASD by: _____ Date: _____
Filing Fee ✓ New Facility ___ Renewal ___
Modification ___ Other Filing Fee $100 + Temporary Authorization $150 (specify)
Organization Code 521.07 Applicable FY 2002

To be deposited in the Water Quality Management Fund.
Full Payment ✓ or Annual Increment ___

TRIGON SHEEHAN
ENGINEERS & CONSTRUCTORS
475 17th Street, Suite 300
Denver, CO 80202-4013

UNION BANK & TRUST SOUTHWEST
DENVER, COLORADO 80203
23-90-1020

51234

Pay: **********Two hundred fifty dollars and no cents

DATE	CHECK NO.	AMOUNT
August 12, 2002	51234	$*******250.00

PAY TO THE ORDER OF
NMED Water Quality Mgmt Fund
NewMexico OCD c/o Martyne Kieling
1220 S St Francis Drive
Santa Fe, NM 87505

⑈051234⑈ ⑆102000908⑆ 14⑈118 26⑈

TRIGON SHEEHAN
DENVER, CO 80202-4013

51234

DATE	INVOICE NO.	INVOICE AMOUNT	RETAINAGE	DEDUCTION	BALANCE
8/12/02	081202	250.00			250.00

CHECK DATE	CHECK NUMBER	TOTAL		
8/12/02	51234	250.00		250.00

PLEASE DETACH THIS PORTION AND RETAIN FOR YOUR RECORDS.

TRIGON SHEEHAN
ENGINEERS & CONSTRUCTORS

T FLOYD@TRIGON-SHEEAN.COM

Your Pipeline To The Future

Oil & Gas
Pipelines
Telecommunications
Facilities
Surveying
Permitting
Engineering
Design
Procurement
Construction

RECEIVED
AUG 12 2002
Environmental Bureau
Oil Conservation Division

August 9, 2002

Mr. Roger Anderson
New Mexico OCD
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Hydrostatic Test Discharge Permit for The Luna County Later Pipeline.

Dear Mr. Anderson:

We spoke a month ago regarding this permit. The Notice of Intent I completed was sent to the New Mexico Environmental Department, as per the instructions on the application. After thirty days, I called the NMED and they informed me that they no longer review these, but only file them and that I should send a copy to the OCD. So, if you could expedite the review/approval of this application, it would be greatly appreciated.

Please call me with any questions at 970-385-9100 ext. 51 and please send a copy of the permit via fax to my attention at 970-385-9107. Thank you for your help on this time sensitive request.

Sincerely,

Tankard Floyd
Environmental Coordinator