PNM
2002

Public Service Company
of New Mexico
2401 Aztec NE
MS Z160
Albuquerque, NM 87107

July 19, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John Kieling
RCRA Permits Program Manager
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building I
Santa Fe, NM 87505

RE: Person Generating Station (NMT 360010342-1) - Class 1 Permit Modification Request for Groundwater Treatment System Improvement

Dear Mr. Kieling:

Public Service Company of New Mexico (PNM) is intending to modify the Person Generating Station Groundwater Treatment System (GTS) in an effort to improve reliability. Consequently, PNM is requesting a Class 1 permit modification to the Person Generating Station RCRA Post-Closure Care Permit, Permit No. NMT360010342-1.

Based on information contained in the post-closure care permit issued August 17, 2000, and the permit renewal application submitted in March 1998, it is PNM's understanding that this modification to the GTS is considered an improvement to the groundwater treatment system and does not require prior approval of the NMED.

Over the past several quarters of operation, the existing GTS has experienced frequent operational problems and has required extensive maintenance in order to remain in service. These operations and maintenance problems are attributable to the complex system of electronic controllers, pumps, and valves necessary to maintain the appropriate sulfuric acid addition rates, pH control, and prevent calcification and scaling of equipment.

In July 2001, construction activities began on the installation of a pilot-scale treatment system that uses two in-series granulated activated carbon (GAC) units as an alternative treatment to the existing air stripper/acid addition/GAC system. The pilot-scale system was put into limited service in September 2001.

As described in the permit renewal application, the existing GTS consists of two identical, parallel treatment trains that use air stripping with sulfuric acid addition for pH control, followed by activated carbon treatment to remove chlorinated volatile organic compounds (VOCs) from the groundwater. The treated effluent is then discharged to irrigation ponds located at the UNM South Golf Course.

The pilot-scale system and proposed full-scale system configuration is a much simpler system. It replaces the air stripper and acid addition system with two in-series GAC units. The use of only primary and secondary GAC units is now economically feasible due to the continued decrease in concentrations of chlorinated VOCs in the groundwater. VOC concentrations in the groundwater are now low enough that the GAC units can operate for longer periods of time before the carbon becomes saturated and breakthrough occurs.

The existing system consisting of two parallel air strippers, acid addition system, and two parallel GAC units will be completely removed. The discharge rate of 288,000 gallons per day currently permitted under an NMED Discharge Plan would not change.

Analytical data (EPA Method 8021 Halo) collected to date from the GTS indicates that the pilot-scale system is successfully removing chlorinated VOCs down to laboratory detection limits. In addition,

maintenance requirements have been greatly reduced, allowing the pilot-scale GTS to operate nearly continuously over the past several months.

Attached are recent analytical results for the GTS from the May and June 2002 monthly sampling activities, a description of the sample locations, a description of the proposed full-scale system, and engineering drawings.

In May 2002, PNM submitted a request to the NMED Groundwater Quality Bureau (GWQB) to amend the Person Generating Station Discharge Plan (DP-1006). The amendment to DP-1006 was necessary in order to permanently modify the GTS and change the discharge plan conditions. Recently, PNM received approval from the GWQB to amend DP-1006 and proceed with the permanent modification of the GTS. A copy of the approval letter is enclosed for your review.

If you have any questions, please contact me at (505) 855-6392.

Sincerely,

John Hale

John Hale, P.E.
Technical Project Manager

Enclosures

cc: Robert Warder, NMED/HWB, Permits Management Program
District 1, 4131 Montgomery NE, Albuquerque, NM 87109

State of New Mexico
ENVIRONMENT DEPARTMENT
Ground Water Quality Bureau
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2918 phone
(505) 827-2965 fax

GARY E. JOHNSON
GOVERNOR

PETER MAGGIORE
SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Hand delivered 7/17/02

July 3, 2002

Mr. John Hale, Technical Project Manager
Public Service Company of New Mexico
2401 Aztec NE
MS Z160
Albuquerque, NM 87107

RE: Discharge Permit Amendment Approval, DP-1006, PNM Person Generating Station

Dear Mr. Hale:

Pursuant to Water Quality Control Commission (WQCC) Regulations (20.6.2 NMAC), the application for amendment for DP-1006, which you submitted for approval of an alternative treatment system for VOC-contaminated ground water at the PNM Person Generating Station, is hereby approved, subject to the conditions listed below. The discharge permit was approved on December 1, 2000. The facility is located in the City of Albuquerque's South Valley in Section 4, T9N, R3E, Bernalillo County. In approving this discharge permit amendment, the New Mexico Environment Department (NMED) has determined that the requirements of 20.6.2.3109.C NMAC have been met.

The approved amendment to the treatment and disposal system of the PNM Person Generating Station is briefly described as follows:

Ground water contaminated with 1,1,2,2-tetrachloroethylene (PCE), 1,1-dichloroethylene (1,1-DCE), and 1,1,1-trichloroethane (1,1,1-TCA), is treated to below 20.6.2.3103 NMAC ground water standards using two in-series granulated activated carbon units. The air strippers and acid addition system are no longer in use.

Approval of this amendment does not relieve PNM of its responsibility to comply with any other conditions or requirements of its discharge permit, DP-1106, or any other applicable federal, state, and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

CONDITIONS FOR APPROVAL

Specific Requirement 1 in the December 1, 2000 discharge permit shall be replaced as follows:

1. PNM will discharge up to 288,000 gpd of treated ground water recovered from extraction wells at the closed Person Generating Station. The ground water, contaminated with PCE, 1,1-DCE,

and 1,1,1-TCA, is treated using two in-series granular activated carbon units. Water treated to below 20.6.2.3103 NMAC ground water standards is pumped to the UNM South Golf Course and discharged to two synthetically-lined irrigation storage lagoons located on the golf course. Treated water from Person Generating Station is commingled with irrigation water to constitute between 5 and 10 percent of the water stored in the lagoons, and is then applied to the golf course.

Specific Requirement 2 in the December 1, 2000 discharge permit shall be deleted because sulfuric acid is no longer used in the treatment process.

Specific Requirement 4.C in the December 1, 2000 discharge permit shall be deleted because the sulfate concentration and pH of the ground water are no longer affected by the treatment process.

Specific Requirement 5 in the December 1, 2000 discharge permit shall be replaced as follows to remove specific reference to sulfate:

5. PNM will shut down the ground water treatment system (GWTS) and effluent flow to the UNM South Golf Course if analysis of the effluent indicates that concentrations of EPA Method 8021 Halo analytes exceed the ground water standards listed in WQCC Regulation 20.6.2.3103.

OTHER REQUIREMENTS

Please be advised that approval of this discharge permit amendment does not relieve PNM of liability should its operation result in actual pollution of surface or ground water which may be actionable under other laws and/or regulations.

PERIOD OF APPROVAL

This amendment approval expires on December 1, 2005, the same date as the original permit, and you should submit an application for renewal at least 120 days before that date.

If you have any questions, please contact Pam Homer of the Ground Water Pollution Prevention Section staff at 827-0018.

Sincerely,

Marcy Leavitt for M. Leavitt

Marcy Leavitt, Chief
Ground Water Quality Bureau

ML:ph

cc: Tom Skibitski, District Manager, NMED District I

100% Basis of Design Memo
Granular Activated Carbon Retrofit
Person Station Groundwater Treatment Plant
Public Service Company of New Mexico

1.0 Introduction

The retrofit of the Person Station Groundwater Treatment system is being performed as follow up work of Parsons recommendations from the Final Evaluation of the Person Groundwater Treatment System (5 February 2001) for the Public Service Company of New Mexico (PNM). This 100 % Basis of Design Memo construction package will be used to implement a phased modification of the existing treatment system from air stripping to granular activated carbon (GAC).

This 100% Basis of Design Memo and construction document includes:

Section 1.0	Introduction
Section 2.0	Treatment System
Section 3.0	Pilot Scale System
Section 4.0	Full Scale System
Section 5.0	Control Logic
Table 1 a	Pilot Scale System Equipment
Table 1 b	Full Scale System Equipment
Drawing	Cover Sheet
Drawing	Demolition Plan, P&T System P&ID (Rev. 5)
Drawing P-1.1, Rev 6.	100% Pilot Scale P&T System P&ID Reconstruction Plan (Rev. 6)
Drawing M-0.1A, Rev 0	100% Pilot Scale Building Floor Plan (Rev. 0)
Drawing P-1.1, Rev 7	100% Full Scale P&T System P&ID Reconstruction Plan (Rev. 7)
Drawing M-0.1A, Rev 1	100% Full Scale Building Floor Plan (Rev. 1)
Attachment 1	Influent Tank T-1301
Attachment 2	Transfer Pump P-1301

2.0 Treatment System

The treatment of the perchloroetylene (PCE) and 1,1-dichloroethene (DCE) contaminated groundwater recovered at Person Station NM is currently done using two parallel air stripping treatment trains capable of handling 50 gpm each. The east treatment train is to be replaced with a GAC treatment train capable of handling 100 gpm. The GAC treatment system will be installed in two phases, a Pilot Scale and a Full Scale as outlined in their respective sections (3.0 and 4.0).

The GAC treatment system will be gravity feed from the equalization tank. The process stream will enter the influent tank through a 4" line. The influent tank is a conical bottom tank to allow collection of solids and cleaning of the tank. Level in the influent surge tank will be controlled using a conductance level element, variable frequency drive and the system transfer pump. In addition to the level element, a level switch high and a level switch low will be located in the tank. The tank will feed the system transfer pump through a 3" line. Discharge from the system transfer pump will be through a 2" line initially. The discharge will pass through a 2" check valve, a diaphragm valve and a flow meter. After the flow meter, the line size will increase to 3". The discharge will flow to a bank of four bag filters in parallel. The bag filters will remove any remaining solids to prevent fowling of the GAC beds. The bag filter effluent will enter an overhead-piping manifold that will allow either of the GAC vessels to serve as the primary or secondary treatment units. In addition, it will be possible to back flush each carbon vessel. After the secondary carbon vessel the treated groundwater will be discharged to the effluent surge tank. The recircultated discharge to the effluent surge tank should be submerged to minimize aeration.

The primary intention of replacing the air stripping treatment train is to simplify maintenance activities associated with the groundwater treatment system (GWTS). In addition, the concentration of contaminants in the extracted groundwater has dropped since the system was first activated in 1996 and treatment with GAC is now economically feasible. The west air stripping treatment train will remain in place, in a modified configuration.

The primary maintenance activity for the air striping treatment train was due to calcification and scaling of the equipment and maintenance of the acid addition system. Air stripping raised the pH of the process stream causing precipitation of calcium carbonate and necessitating the acid addition system. By going to a GAC treatment train, aeration can be minimized and calcium carbonate precipitation can be reduced. The primary source of aeration in the new GAC system would result from re-circulating level control in the tank. To eliminate the aeration in the GAC treatment system influent tank due to re-circulation a variable frequency drive has been specified for the new transfer pump. Re-circulation will still be used in the effluent storage tank. It would be advisable to submerge the discharge on the re-circulation piping and to monitor the tank for calcium carbonate precipitation. If unchecked, scaling could foul the discharge pump and or increase the total dynamic head (TDH) in the discharge line, resulting in significantly reduced discharge capacity.

3.0 Pilot Scale System

Construction of the Pilot Scale System will allow PNM to determine if the Full Scale System will substantially reduce the maintenance activity for the GWTS. It is envisioned that the Pilot Scale System will run for four months or until, the first GAC change out. The installation of the pilot system will require the removal of the east air stripper, relocation of the pH recorder (to the west air stripper) and removal of piping. Temporary relocation of some equipment may be necessary to install all the equipment.

Installation of the pilot system will require some concrete work near the existing P-501 transfer pump. The 4" containment dike will need to be removed and the pad will be extended as shown in drawing M 0.1A, Rev. 0. The influent surge tank will be placed in the southeast corner of the existing air stripper pad. The existing GAC units will be staged in the east bay, as shown in drawing M 0.1A, Rev. 0. Both units will fit into the east bay but the final placement of those units is at the contractors discretion. The new GAC unit will be placed in the west bay. Piping shall be as shown in drawing P 1.1, Rev. 6. The only hard piping necessary will be the suction and initial discharge from the system transfer pump since these will not change in the Full Scale System. For the remainder of the piping, flexible hose is recommended during the pilot scale system.

Equipment to be removed, salvaged or purchased for the Pilot Scale System is detailed in Table 1 a.

4.0 Full Scale System

Construction of the Full Scale System will commence after approximately four months of operating the Pilot Scale System if the desired goal of reduced maintenance is achieved. The conversion from the Pilot to Full Scale System will require concrete work to extend the secondary containment area to include the bag filters and GAC units. Hard piping will be installed to handle the 100 gpm flow rate and equipment will be relocated to facilitate maintenance activities.

For the air stripping treatment train the bag filters and GAC units were secondary treatment and therefore did not require secondary containment. Now the GAC units are the primary treatment and should be contained (full scale only). To contain the two GAC units, concrete pads graded back (flow to the North) to the containment area with 2" wide dikes on the sides will be constructed. No dike will be present on the south side of the pads to simplify replacement of the carbon vessels. The containment dike will also be extended to include the footprint of the centralized bag filters. The majority of the permanent piping will be 3" Schedule 80 PVC. The permanent piping will be 2" Schedule 80 PVC at the bag filters. The piping materials, valving and system flow is presented in drawing P 1.1, Rev. 7. The floor plan and equipment layout is presented in drawing M 0.1A, Rev. 1.

Equipment to be removed, salvaged or purchased for the Full Scale System is detailed in Table 1 b.

5.0 Control Logic

The control logic for the Pilot Scale and Full Scale system will remain the same. The new system will operate the GAC treatment train through the PLC on the east portion of the "West / Both / East" hand switch on the control panel. The only controls associated with the system will be level elements in the influent tank (T-1301).

The primary system controls will consist of a 4 to 20 mA Level Element (LE-1301) that controls a Variable Frequency Drive (VFD-1301). The VFD should start the transfer

pump when the water level is at 65% of freeboard in the tank and seek a level 50% of freeboard. A minimum frequency should be specified for the VFD so the motor does not overheat. The minimum frequency will be determined per the motor manufacturers recommendations. A Level Switch Low (LSL-1301) will be used to turn the transfer pump off and prevent it from sucking air into the intake. The transfer pump should come back on again when LE-1301 reaches 65%.

Level Switch High (LSH-1301) will trigger a System Shutdown (SS) when energized. This will be the only system shutdown associated with the GAC systems.

A description of sample locations listed in the laboratory analytical reports are provided below.

Sample ID	Sample Description
GTS Influent	Combined influent from all the extraction wells prior to treatment
Influent Tank Effluent	Combined influent from the equalization tank prior to discharge into the holding tank
GTS-GAC Effluent #2	Effluent from the first-stage (initial) GAC unit
GTS-GAC Effluent #1	Effluent from the second-stage (final) GAC unit
UNM East Reservoir	Effluent at discharge point into the east irrigation pond
UNM West Reservoir	Effluent at discharge point into the west irrigation pond
VEW Influent	Influent from extraction well VEW
PSMW-16 Influent	Influent from extraction well EW-4, which is the replacement for PSMW-16
EW-1 Influent	Influent from extraction well EW-1
PSMW-24, 25, 26 Influent	Combined influent from extraction wells EW-5 (extraction well replacement for PSMW-24), PSMW-25, and PSMW-26
EW-3	Influent from extraction well EW-3
EW-2	Influent from extraction well EW-2
Surge Tank Discharge	Effluent from surge tank prior to being pumped to UNM irrigation ponds.

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **206018**
June 25, 2002

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-MS2104
ALBUQUERQUE, NM 87158

Project Name PERSON STATION
Project Number REMEDIATION

Attention: CHUCK ARATER

On 06/05/02 Pinnacle Laboratories, Inc., (ADHS License No. AZ0592 pending), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8021 HALO analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All other analyses were performed by Severn Trent Laboratories, Inc. Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: jt

Enclosure

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 206018
PROJECT #	: REMEDIATION	DATE RECEIVED	: 06/05/02
PROJECT NAME	: PERSON STATION	REPORT DATE	: 06/25/02

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
206018 - 01	GTS-INFLUENT	AQUEOUS	06/05/02
206018 - 02	SURGE TANK EFFLUENT EAST (Influent Tank Effluent)	AQUEOUS	06/05/02
206018 - 03	GTS-GAC EFFLUENT #1	AQUEOUS	06/05/02
206018 - 04	GTS-GAC EFFLUENT FINAL	AQUEOUS	06/05/02
206018 - 05	UNM EAST RESERVOIR	AQUEOUS	06/05/02
206018 - 06	UNM WEST RESERVOIR	AQUEOUS	06/05/02
206018 - 07	TRIP BLANK	AQUEOUS	06/05/02
206018 - 08	VEW INFLUENT	AQUEOUS	06/05/02
206018 - 09	PSMW-16 INFLUENT	AQUEOUS	06/05/02
206018 - 10	EW-1 INFLUENT	AQUEOUS	06/05/02
206018 - 11	PSMW-24,25,26 INFLUENT	AQUEOUS	06/05/02
206018 - 12	EW-3	AQUEOUS	06/05/02
206018 - 13	EW-2	AQUEOUS	06/05/02
206018 - 14	SURGE TANK EFFLUENT EAST	AQUEOUS	06/05/02

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
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Fax (505) 344-4413

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS

TEST : 8021 HALO
CLIENT : PUBLIC SERVICE COMPANY
PROJECT # : REMEDIATION
PROJECT NAME : PERSON STATION

PINNACLE I.D.: 206018

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GTS-INFLUENT	AQUEOUS	06/05/02	NA	06/19/02	1
02	SURGE TANK EFFLUENT EAST (Influent Tank Effluent)	AQUEOUS	06/05/02	NA	06/19/02	1
03	GTS-GAC EFFLUENT #1	AQUEOUS	06/05/02	NA	06/19/02	1

PARAMETER	DET. LIMIT	UNITS	GTS-INFLUENT	SURGE TANK EFFLUENT EAST	GTS-GAC EFFLUENT #1
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-[illegible]CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3[illegible]HLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	**UG/L**	**2.9**	**2.8**	**0.5**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	**4.2**	**4.4**	< 0.2
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	**5.5**	**5.1**	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			90	93	87
SURROGATE LIMITS	(71 - 126)				

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : 8021 HALO
CLIENT : PUBLIC SERVICE COMPANY
PROJECT # : REMEDIATION
PROJECT NAME : PERSON STATION

PINNACLE I.D.: 206018

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	GTS-GAC EFFLUENT FINAL	AQUEOUS	06/05/02	NA	06/19/02	1
05	UNM EAST RESERVOIR	AQUEOUS	06/05/02	NA	06/19/02	1
06	UNM WEST RESERVOIR	AQUEOUS	06/05/02	NA	06/19/02	1

PARAMETER	DET. LIMIT	UNITS	GTS-GAC EFFLUENT FINAL	UNM EAST RESERVOIR	UNM WEST RESERVOIR
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			94	96	97
SURROGATE LIMITS	(71 - 126)				

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : 8021 HALO
CLIENT : PUBLIC SERVICE COMPANY
PROJECT # : REMEDIATION
PROJECT NAME : PERSON STATION

PINNACLE I.D.: 206018

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	TRIP BLANK	AQUEOUS	06/05/02	NA	06/19/02	1
08	VEW INFLUENT	AQUEOUS	06/05/02	NA	06/19/02	1
09	PSMW-16 INFLUENT	AQUEOUS	06/05/02	NA	06/19/02	1

PARAMETER	DET. LIMIT	UNITS	TRIP BLANK	VEW INFLUENT	PSMW-16 INFLUENT
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4 HLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	**UG/L**	< 0.3	**2.7**	**3.8**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	< 0.2	**0.3**	**6.4**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	< 0.5	< 0.5	**7.8**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			110	95	90
SURROGATE LIMITS	(71 - 126)				

CHEMIST NOTES:
N/A

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS

TEST : 8021 HALO
CLIENT : PUBLIC SERVICE COMPANY
PROJECT # : REMEDIATION
PROJECT NAME : PERSON STATION

PINNACLE I.D.: 206018

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	EW-1 INFLUENT	AQUEOUS	06/05/02	NA	06/19/02	1
11	PSMW-24,25,26 INFLUENT	AQUEOUS	06/05/02	NA	06/19/02	1
12	EW-3	AQUEOUS	06/05/02	NA	06/19/02	1

PARAMETER	DET. LIMIT	UNITS	EW-1 INFLUENT	PSMW-24,25,26 INFLUENT	EW-3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	**UG/L**	**2.7**	**0.5**	**3.0**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	**0.8**	**6.8**	**6.6**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	**1.9**	**8.7**	**7.1**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			97	91	83
SURROGATE LIMITS	(71 - 126)				

CHEMIST NOTES:
N/A

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS

TEST : 8021 HALO
CLIENT : PUBLIC SERVICE COMPANY
PROJECT # : REMEDIATION
PROJECT NAME : PERSON STATION

PINNACLE I.D.: 206018

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	EW-2	AQUEOUS	06/05/02	NA	06/19/02	1

PARAMETER	DET. LIMIT	UNITS	EW-2
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2
BROMOFORM	0.5	UG/L	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	UG/L	< 0.2
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,1-DICHLOROETHANE	0.3	**UG/L**	**4.4**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5
1,1 HLOROETHENE	0.2	**UG/L**	**2.1**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	**3.0**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		93
SURROGATE LIMITS	(71 - 126)	

CHEMIST NOTES:
N/A

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021	PINNACLE I.D.	: 206018
BLANK I.D.	: 061902	DATE EXTRACTED	: N/A
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 06/19/02
PROJECT #	: REMEDIATION	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: PERSON STATION		

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1 HLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
rans-1,2-DICHLOROETHENE	UG/L	<1.0
,2-DICHLOROPROPANE	UG/L	<0.2
is-1,3-DICHLOROPROPENE	UG/L	<0.2
ans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
ETRACHLOROETHENE	UG/L	<0.5
,1,1-TRICHLOROETHANE	UG/L	<1.0
,1,2-TRICHLOROETHANE	UG/L	<0.2
RICHLOROETHENE	UG/L	<0.3
RICHLOROFLUOROMETHANE	UG/L	<0.2
INYL CHLORIDE	UG/L	<0.5

URROGATE:
ROMOCHLOROMETHANE (%) 100
URROGATE LIMITS (71 - 126)

HEMIST NOTES:
/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY - QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 206018
BATCH #	: 061902	DATE EXTRACTED	: N/A
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 06/19/02
PROJECT #	: REMEDIATION	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: PERSON STATION	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
CHLOROBENZENE	<0.5	10.0	11.5	115	12.0	120	4	(87 - 124)	20
1,1-DICHLOROETHENE	<0.2	10.0	11.3	113	10.1	101	11	(80 - 120)	20
TRICHLOROETHENE	<0.3	10.0	11.1	111	12.3	123	10	(89 - 127)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-06158
Received: 06 JUN 02
Reported: 18 JUN 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Client PO. No.: 206018

Project: 206018,PNM-PERSON STATION
Sampled By: Client
Code: 085920618

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
06158-1	SURGE TANK DISCHARGE|20618/14	06-05-02/13:38

PARAMETER	06158-1
Sulfate as SO4 (375.4), mg/l	420
Dilution Factor	12.5
Analysis Date	06.11.02
Batch ID	SEW046
Analyst	RB

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-06158
Received: 06 JUN 02
Reported: 18 JUN 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Client PO. No.: 206018

Project: 206018,PNM-PERSON STATION
Sampled By: Client
Code: 085920618

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
06158-2	Method Blank	
06158-3	Lab Control Standard % Recovery	
06158-4	Matrix Spike % Recovery	
06158-5	Matrix Spike Duplicate % Recovery	

PARAMETER	06158-2	06158-3	06158-4	06158-5
Sulfate as SO4 (375.4), mg/l	<5.0	103 %	97 %	99 %
Dilution Factor	1	---	---	---
Analysis Date	06.11.02	---	---	---
Batch ID	SEW046	SEW046	SEW046	SEW046
Analyst	RB	---	---	---

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Data from any samples that do not meet client, federal, or state sample acceptance criteria (collection, preservation, or holding time) will be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF).

Lance Larson, Project Manager

Final Page Of Report

STL Pensacola

STL Pensacola Data Qualifiers for Final Report

B	The analyte was detected in the associated method blank and in the client's sample.
C	The compound has been quantitated against a one point calibration.
D	Recovery is not calculable due to dilution.
E	Estimated value because the analyte concentration exceeds the upper calibration range of the instrument or method.
I	Estimated value because the analyte concentration is less than the lower calibration range of the instrument but is at the method detection limit or greater than the method detection limit.
H	Sample and/or duplicate is below 5 X (times) the STL Reporting Limit and the absolute difference between the results exceeds the STL Reporting Limit.
J1	A sample surrogate or an LCS target compound recovered above the upper control limit (UCL). Compounds qualified with a J1 may be biased high.
J2	A sample surrogate or an LCS target compound recovered outside the lower control limit (LCL). Compounds qualified with a J2 may be biased low.
M1	A matrix effect was present.
M2	The MS and/or MSD %R or RPD was outside upper or lower control limits; not necessarily due to matrix effect.
N/C	Not Calculable; Sample spiked is > 4X spike concentration (may also use this flag in place of negative numbers).
R1	Internal standard area exceeds the acceptance criteria
R2	Calibration verification exceeds the acceptance criteria.
S1	The Method of Standard Additions (MSA) has been performed on this sample.
T	Second-column or detector confirmation exceeded the SW-846 criteria of 40% RPD for this compound.
TIC	The compound is not included in the initial calibration curve. It is searched for qualitatively or as a Tentatively Identified Compound.
U	The analyte was not detected at or above the MDL or the RL, whichever is entered next to the "U" value.
W	Post-digestion spike for Furnace AA is out of control limits (85-115%), while sample absorbance is less than 50% spike absorbance.

When the laboratory receives a sample that does not meet EPA requirements for sample collection, preservation or holding time, the laboratory is required to reject the samples. The client must be notified and asked whether the lab should proceed with analysis. Data from any samples that do not meet sample acceptance criteria (collection, preservation and holding time), must be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF) in an unambiguous manner clearly defining the nature and substance of the variation. NPDES samples from North Carolina that do not meet EPA requirements for sample collection, preservation or holding time are non-reportable for NPDES compliance monitoring.

Abbreviations

ND	Not Detected at or above the STL Pensacola reporting limit (RL)
NS	Not Submitted
NA	Not Applicable
MDL	STL Pensacola Method Detection Limit
RL	STL Pensacola Reporting Limit
NoMS	Not enough sample provided to prepare and/or analyze a method-required matrix spike (MS) and/or duplicate (MSD)

Florida Projects Inorganic/Organic

Refer to FL DEP 62-160.700(7); Table 7 Data Qualifier Codes. FL DEP Rule 62-160.670(1)(h) states that laboratories shall include the analytical result for each analysis with applicable data qualifiers. FL DEP Rule 62-160.700(7), Table 7 lists the FL DEP data qualifiers. FL DEP Rule 62-160.700(3), Table 3 lists the Florida sites which require data qualifiers.

AFCEE QAPP Projects

Refer to AFCEE QAPP for appropriate data qualifiers (AFCEE QAPP Version will be specified by client for the project).

Arizona DEQ Projects

Any qualified data submitted to Arizona DEQ (ADEQ) after January 1, 2001 must be designated using the Arizona Data Qualifiers as developed by the Arizona ELAC technical subcommittee. Refer to the ADEQ qualifier list.

CLP and CLP-like Projects

Refer to referenced CLP Statement of Work (SOW) for explanation of data qualifiers. CLP SOW to be followed must be specified to client.

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STL Pensacola is a part of Severn Trent Laboratories, Inc

STL PENSACOLA
Certifications, Memberships & Affiliations

Alabama *Department of Environmental Management, Laboratory ID No. 40150 (Drinking Water by Reciprocity with FL), expires 06/30/02*

Arizona *Department of Health Services, Lab ID No. AZ0589 (Hazardous Waste & Wastewater), expires 01/11/03*

Arkansas *Department of Pollution Control and Ecology, (No Laboratory ID No. assigned by state) (Environmental), expires 02/26/03*

California *Department of Health Services,* ***NELAP*** *Laboratory ID No. 01128CA (Hazardous Waste and Wastewater), expires 03/31/02*

Connecticut *Department of Health Services, Connecticut Lab Approval No. PH-0697 (D W, H W and Wastewater), expires 09/30/03*

Florida *DOH,* ***NELAP*** *Laboratory ID No. E81010 (Drinking Water, Hazardous Waste and Wastewater), expires 06/30/02*

Florida *DEP/DOH CompQAP # 980156*

Kansas *Department of Health & Environment,* ***NELAP*** *Laboratory ID No. E10253 (Wastewater and Hazardous Waste), expires 10/31/02*

Kentucky *NR&EPC, Laboratory ID No. 90043 (Drinking Water), expires 12/31/02.*

Louisiana *DEQ, LELAP,* ***NELAP*** *Laboratory ID No. 02075, Agency Interest ID 30748 (Environmental, expires 6/30/02)*

Maryland *DH&MH Laboratory ID No. 233 (Drinking Water by Reciprocity with Florida), expires 09/30/02*

Massachusetts *DEP, Laboratory ID No. M-FL094 (Wastewater), expires 06/30/02*

Michigan *Bureau of E&OccH, Laboratory ID No.9912 (Drinking Water by Reciprocity with Florida), expires 06/30/02*

New Hampshire *DES ELAP,* ***NELAP*** *Laboratory ID No. 250501 (Wastewater), expires 08/16/02*

New Jersey *DEP&E,* ***NELAP*** *Laboratory ID No. FL006 (Wastewater and Hazardous Waster), expires 06/30/02.*

New York State *Department of Health,* ***NELAP*** *Laboratory ID No. 11503 (WW and Solids/Hazardous Waste), expires 03/31/02*

North Carolina *DENR, Laboratory ID No. 314 (Hazardous Waste and Wastewater), expires 12/31/02.*

North Dakota *DH&Consol Labs, Laboratory ID No. R-108 Wastewater and Hazardous Waste by Reciprocity with Florida), expires 06/30/02*

Oklahoma *Department of Environmental Quality, Laboratory ID No. 9810 (Hazardous Waste and Wastewater), expires 08/31/02*

Pennsylvania *Department of Environmental Resources,* ***NELAP*** *Laboratory ID No. 68-467 (Drinking Water & Wastewater), expires 12/01/02*

South Carolina *DH&EC, Laboratory ID No. 96026 (Wastewater & Solids/Hazardous Waste by Reciprocity with FL), expires 06/30/02*

Tennessee *Department of Health & Environment, Laboratory ID No. 02907 (Drinking Water), expires 08/03/04*

Virginia *Department of General Services, Laboratory ID No. 00008 (Drinking Water by Reciprocity with FL), expires 06/30/02*

Washington *Department of Ecology, Laboratory ID No. C282 (Hazardous Waste and Wastewater), expires 09/14/02*

West Virginia *DOE, Office of Water Resources, Laboratory ID No. 136 (Haz Waste and Wastewater), expires 04/30/02.*

American Industrial Hygiene Association ***(AIHA)*** *Accredited Laboratory, Laboratory ID No. 100704, expires April 1, 2004. Participant in AIHA sponsored Laboratory PAT Rounds*

EPA ICR *(Information Collection Rule) Approved Laboratory, Laboratory ID No. ICRFL031*

Naval Facilities Engineering Services Center ***(NFESC)****, expires July 5, 2002.*

United States Army Corps. of Engineers ***(USACE)****, MRD, expires July 5, 2002.*

STL Pensacola also has a foreign soil permit to accept soils from locations other than the continental United States. Permit No. S-37599

certlist\condcert.lst revised 05/14/2002

STL Pensacola
PROJECT SAMPLE INSPECTION FORM

SEVERN TRENT SERVICES

Lab Order #: C206158 Date Received: 6-6-02

1.	Was there a Chain of Custody?	Yes	No♣	
2.	Was Chain of Custody properly filled out and relinquished?	Yes	No♣	
3.	Were samples received cold? (Criteria: 2° - 6°C: STL-SOP	Yes	No♣	N/A
4.	Were all samples properly labeled and identified?	Yes	No♣	
5.	Did samples require splitting or compositing♦? Req By: PM Client Other♦	Yes♣	No	
6.	Were samples received in proper containers for analysis requested?	Yes	No♣	
7.	Were all sample containers received intact?	Yes	No♣	
8.	Were samples checked for preservative? *(Check pH of all H_2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)*+	Yes	No♣	N/A
9.	Is there sufficient volume for analysis requested?	Yes	No♣	N/A *(Can)*
10.	Were samples received within Holding Time? (REFER TO STL-SOP 1040)	Yes	No♣	
11.	Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control section.	Yes♣	No	N/A
12.	If sent, were matrix spike bottles returned?	Yes	No♣	N/A
13.	Was Project Manager notified of problems? (initials:_____)	Yes	No♣	N/A

Airbill Number(s): 1Z878168 0143534830

Shipped By: UPS

Cooler Number(s): Client

Shipping Charges: N/A

Cooler Weight(s): 42#

Cooler Temp(s) (°C): 4.0 °C CCK5

(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: SAD Date: 6-6-02 Logged By: JC Date: 6-6-02

♣ *Note all Out-of-Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples(pH, Dissolved O_2, Residual CL) as out of hold time, therefore, these samples will not be documented on this PSIF.*

♦ *If Other, note who requested the splitting or compositing of samples on the Comment Section of this form. All volatile samples requested to be split or composited must be done in the Volatile Lab. Document: "Volatile sample values may be compromised due to sample splitting (compositing)"*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (STL-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, STL makes it policy to record any headspace as out-of-control (STL-SOP 938, section 2.2.12).*

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 6/5/02 Page: 1 of ___

Work Project Manager: Jacinta A. Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

C206158

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL (23 METALS)		TOX	TOC	Gen Chemistry:	Total SO_4	Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8240 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM (ICP-MS)	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
Surge tank Discharge 1	6/5/02	1338	Aq										X															
206018 / 14																												

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.		RELINQUISED BY: 2.	
PROJECT #: 206018		Total Number of Containers		PENSACOLA - STL-FL	X	Signature: Luke Mont	Time: 1700	Signature:	Time:
PROJ. NAME: PNM		Chain of Custody Seals		ESL - OR		Printed Name: Luke Montoya	Date: 6/5/02	Printed Name:	Date:
QC LEVEL: STD IV		Received Intact?		STL - CT		Pinnacle Laboratories, Inc.		Company	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - AZ					
TAT: STANDARD RUSH!!		LAB NUMBER:		ATEL - MARION					
				ATEL - MELMORE		RECEIVED BY: 1.		RECEIVED BY: 2.	
DUE DATE: 6/19	COMMENTS:			BARRINGER		Signature: Sandra A Dixon	Time: 0950	Signature:	Time:
RUSH SURCHARGE: N/A				ENVIRO TEST LABS		Printed Name: Sandra A Dixon	Date: 6-6-02	Printed Name:	Date:
CLIENT DISCOUNT: N/A				WCAS					
SPECIAL CERTIFICATION REQUIRED: YES NO				WOHL		Company STL Pensacola		Company	

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 6-5-02 PAGE: 1 OF 2

PLI Accession #: 206018

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: CHUCK ARATER

COMPANY: PUBLIC SERVICE COMPANY OF NEW MEXICO
ADDRESS: ALVARADO SQUARE - ER16
ALBUQUERQUE, NM 87158
PHONE: (505) 241-4744
FAX: (505) 241-2487
BILL TO: SAME
COMPANY:
ADDRESS: ATTN: CHUCK ARATER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐ / DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
GTS-INFLUENT	6-5	1347	AQ	01								X																	3
~~GTS AIR STRIP~~ Surge tk PER EFFLUENT EAST	6-5	1340	AQ	02								X																	3
~~GTS-AIR STRIPPER EFFLUENT WEST~~			~~AQ~~	~~03~~																									
GTS-GAC EFFLUENT ~~WEST~~ #1	6-5	1339	AQ	043								X																	3
GTS-GAC EFFLUENT ~~WEST~~ Final	6-5	1337	AQ	04								X																	3
UNM EAST RESERVIOR	6-5	1400	AQ	05								X																	3
UNM WEST RESERVOIR	6-5	1406	AQ	06								X																	3
TRIP BLANK	6/5/02	1310	AQ	07								X																	

PROJECT INFORMATION

PROJ. NO.: Remediation
PROJ. NAME: Person Station
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	13
CUSTODY SEALS	Y / N (NA)
RECEIVED INTACT	Yes
BLUE ICE/ICE	19°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☑

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

~~4~~ 3 copies Please

PLEASE PROVIDE DATA ON DISKETTE AS WELL AS EXTRA HARD COPY TO RON JOHNSON MS-0408

Direct from field

RELINQUISHED BY: 1.
Signature: [illegible] Time: 1445
Printed Name: CHUCK ARATER Date: 6-5-02
Company: PNM
See reverse side (Force Majeure)

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [illegible] Time: 1445
Printed Name: Luke Montoya Date: 6/5/02
Pinnacle Laboratories Inc.

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 6-5-02 PAGE: 2 OF 2

PLI Accession #: 206018

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM INCOMPLETELY.

PROJECT MANAGER: CHUCK ARATER

COMPANY: PUBLIC SERVICE COMPANY OF NEW MEXICO
ADDRESS: ALVARADO SQUARE - ER16
ALBUQUERQUE, NM 87158
PHONE: (505) 241-4744
FAX: (505) 241-2487

BILL TO: SAME
COMPANY:
ADDRESS: ATTN: CHUCK ARATER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject		(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐ / DBCP ☐	Total Soy	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:		Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
VEW INFLUENT	6-5	1341	AQ	08									X																				3
PSMW-16 INFLUENT	6-5	1343	AQ	09									X																				3
EW- 1 INFLUENT	6-5	1342	AQ	10									X																				3
PSMW 24,25,26 INFLUENT	6-5	1344	AQ	11									X																				3
EW-3	6-5	1345	AQ	12									X																				3
EW-2	6-5	1346	AQ	13									X																				3
Surge Tank Discharge	6-5	1335	AQ	14												X																	1

PROJECT INFORMATION

PROJ. NO.: Remediation
PROJ. NAME: Person Station
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	13
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	19°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☑

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

4 copies Please
3

PLEASE PROVIDE DATA ON DISKETTE AS WELL AS EXTRA HARD COPY TO RON JOHNSON MS-0408

Direct from Field

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: [illegible] Time: 1445	Signature: Time:
Printed Name: CHUCK ARATER Date: 6-5-02	Printed Name: Date:
Company: PNM	Company:
See reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: [illegible] Time: 1445
Printed Name: Date:	Printed Name: Luke Montoya Date: 6/5/02
Company:	Pinnacle Laboratories Inc.

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **205037**
June 04, 2002

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-ER16
ALBUQUERQUE, NM 87158

Project Name PERSON STATION
Project Number REMEDIATION

Attention: CHUCK ARATER

On 05/08/02 Pinnacle Laboratories, Inc., (ADHS License No. AZ0592 pending), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by Severn Trent Laboratories, Inc. Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: jt

Enclosure

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 205037
PROJECT #	: REMEDIATION	DATE RECEIVED	: 05/08/02
PROJECT NAME	: PERSON STATION	REPORT DATE	: 06/04/02

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
205037 - 01	GTS-INFLUENT	AQUEOUS	05/08/02
205037 - 02	GTS-AIR STRIPPER EFF EAST (Influent Tank & Effluent)	AQUEOUS	05/08/02
205037 - 03	GTS-GAC EFFLUENT #1	AQUEOUS	05/08/02
205037 - 04	GTS-GAC EFFLUENT #2	AQUEOUS	05/08/02
205037 - 05	UNM EAST RESERVOIR	AQUEOUS	05/08/02
205037 - 06	UNM WEST RESERVOIR	AQUEOUS	05/08/02
205037 - 07	VEW INFLUENT	AQUEOUS	05/08/02
205037 - 08	PSMW-16 INFLUENT (EW-~~5~~ 4)	AQUEOUS	05/08/02
205037 - 09	EW-1 INFLUENT	AQUEOUS	05/08/02
205037 - 10	PSMW 24, 25, 26 INFLUENT (~~EW-5~~ ~~25~~ 25)	AQUEOUS	05/08/02
205037 - 11	EW-3	AQUEOUS	05/08/02
205[illegible] - 12	EW-2	AQUEOUS	05/08/02
205[illegible] - 13	SURGE TANK DISCHARGE	AQUEOUS	05/08/02
205037 - 14	TRIP BLANK	AQUEOUS	05/08/02

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-05195
Received: 09 MAY 02
Reported: 20 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037-PNM/PERSON STATION
Sampled By: Client
Code: 162120520

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05195-1	SURGE TANK DISCHARGE/205037-01	05-08-02/09:12

PARAMETER	05195-1
Sulfate as SO4 (375.4), mg/l	350
Analyst	RB
Analysis Date	05.13.02
Batch ID	SEW036
Dilution Factor	12.5

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-05195
Received: 09 MAY 02
Reported: 20 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037-PNM/PERSON STATION
Sampled By: Client
Code: 162120520

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
05195-2	Method Blank	
05195-3	Lab Control Standard % Recovery	
05195-4	Matrix Spike % Recovery	
05195-5	Matrix Spike Duplicate % Recovery	

PARAMETER	05195-2	05195-3	05195-4	05195-5
Sulfate as SO4 (375.4), mg/l	<5.0	99 %	101 %	109 %
Analyst	RB	---	---	---
Analysis Date	05.13.02	---	---	---
Batch ID	SEW036	SEW036	SEW036	SEW066
Dilution Factor	1	---	---	---

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Data from any samples that do not meet client, federal, or state sample acceptance criteria (collection, preservation, or holding time) will be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF).

Lance Larson, Project Manager

Final Page Of Report

STL Pensacola
PROJECT SAMPLE INSPECTION FORM

SEVERN TRENT SERVICES

Lab Order #: C2D5195 Date Received: 5-9-02

1.	Was there a Chain of Custody?	Yes	No♣	
2.	Was Chain of Custody properly filled out and relinquished?	Yes	No♣	
3.	Were samples received cold? (Criteria: 2° - 6°C: STL-SOP	Yes	No♣	N/A
4.	Were all samples properly labeled and identified?	Yes	No♣	
5.	Did samples require splitting or compositing♦? Req By: PM Client Other♦	Yes♣	No	
6.	Were samples received in proper containers for analysis requested?	Yes	No♣	
7.	Were all sample containers received intact?	Yes	No♣	
8.	Were samples checked for preservative? *(Check pH of all H_2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)*+	Yes	No♣	N/A
9.	Is there sufficient volume for analysis requested?	Yes	No♣	N/A *(Can)*
10.	Were samples received within Holding Time? (REFER TO STL-SOP 1040)	Yes	No♣	
11.	Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control section.	Yes♣	No	N/A
12.	If sent, were matrix spike bottles returned?	Yes	No♣	N/A
13.	Was Project Manager notified of problems? (initials:_____)	Yes	No♣	N/A

Airbill Number(s): 1285 8168 0143 4298 59

Shipped By: UPS

Cooler Number(s): CLIENT

Shipping Charges: N/A

Cooler Weight(s): 39#

Cooler Temp(s) (°C): 3°C (CCK6)

(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: JC **Date:** 5-9-02 **Logged By:** LLK **Date:** 09-May-02

♣ *Note all Out-of-Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples(pH, Dissolved O_2, Residual CL) as out of hold time, therefore, these samples will not be documented on this PSIF.*

♦ *If Other, note who requested the splitting or compositing of samples on the Comment Section of this form. All volatile samples requested to be split or composited must be done in the Volatile Lab. Document: "Volatile sample values may be compromised due to sample splitting (compositing)"*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (STL-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, STL makes it policy to record any headspace as out-of-control (STL-SOP 938, section 2.2.12).*

Pir :le Laboratories, Inc. **Interlal hain of Custody** Date: 5/8/02 Page: 1 of ___

Network Project Manager: Jacinta A. Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

C205195

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL (23 METALS)	SO4	TOX	TOC	Gen Chemistry:		Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8240 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM (ICP-MS)	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
Surge tank discharge	5/8/02	0912	Aq						X																			1
205037-13																												
NM																												

PROJECT INFORMATION	SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #: 205037	Total Number of Containers		PENSACOLA - STL-FL	X	Signature: Luke Montoya Time: 1700	Signature: Time:
PROJ. NAME: PNM	Chain of Custody Seals		ESL - OR		Printed Name: Luke Montoya Date: 5/8/02	Printed Name: Date:
QC LEVEL: STD IV	Received Intact?		STL - CT		Pinnacle Laboratories, Inc.	Company
QC REQUIRED: MS MSD BLANK	Received Good Cond./Cold		ATEL - AZ		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: STANDARD RUSH!!	LAB NUMBER:		ATEL - MARION		Signature: Time: 0945	Signature: Time:
DUE DATE: 5/28/02	COMMENTS:		ATEL - MELMORE		Printed Name: Date: 5-9-02	Printed Name: Date:
RUSH SURCHARGE: N/A			BARRINGER		Company STL PNS	Company
CLIENT DISCOUNT: N/A			ENVIRO TEST LABS			
SPECIAL CERTIFICATION REQUIRED: YES NO			WCAS			
			WOHL			

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-1	GTS-INFLUENT/205037-01	05-08-02/09:17
05406-2	GTS-AIR STRIPPER EFFLUENT EAST/205037-02 (Influent Tank & Effluent)	05-08-02/09:16
05406-3	GTS-GAC EFFLUENT #1/205037-03	05-08-02/09:15
05406-4	GTS-GAC EFFLUENT #2/205037-04	05-08-02/09:14
05406-5	UNM EAST RESERVOIR/205037-05	05-08-02/09:47

PARAMETER	05406-1	05406-2	05406-3	05406-4	05406-5
Aromatic and Halogenated Volatiles (8021B)					
Bromodichloromethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane (Methyl bromide), ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	0.61I
Chloroform, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Chloromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane, ug/l	4.4	4.4	<0.30	<0.30	<0.30
1,2-Dichloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene, ug/l	6.3	6.6	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-1	GTS-INFLUENT/205037-01	05-08-02/09:17
05406-2	GTS-AIR STRIPPER EFFLUENT EAST/205037-02 (Influent Tank Effluent)	05-08-02/09:16
05406-3	GTS-GAC EFFLUENT #1/205037-03	05-08-02/09:15
05406-4	GTS-GAC EFFLUENT #2/205037-04	05-08-02/09:14
05406-5	UNM EAST RESERVOIR/205037-05	05-08-02/09:47

PARAMETER	05406-1	05406-2	05406-3	05406-4	05406-5
trans-1,3-Dichloropropene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride (Dichloromethane), ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-Tetrachloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene, ug/l	7.5	7.6	<0.50	<0.50	<0.50
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene, ug/l	<0.30	<0.30	<0.30	<0.30	<0.30
Trichlorofluoromethane, ug/l	<0.20	<0.20	<0.20	<0.20	0.23I
Vinyl chloride, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate - 4-Bromofluorobenzene (PID), %	101 %	100 %	101 %	100 %	101 %
Surrogate - 4-Bromofluorobenzene (ELCD), %	99 %	97 %	105 %	102 %	95 %
1,2-Dibromoethane (EDB), ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Dilution Factor	1	1	1	1	1
Analysis Date	05.21.02	05.21.02	05.21.02	05.21.02	05.21.02
Batch ID	LUW044A	LUW044A	LUW044A	LUW044A	LUW044A
Prep Method	5030B	5030B	5030B	5030B	5030B
Analyst	SA	SA	SA	SA	SA
Quantitation Factor	1	1	1	1	1

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-6	UNM WEST RESERVOIR/205037-06	05-08-02/09:53
05406-7	VEW INFLUENT/205037-07	05-08-02/09:18
05406-8	PSMW-16 INFLUENT/205037-08 (EW-4)	05-08-02/09:20
05406-9	EW-1 INFLUENT/205037-09	05-08-02/09:19
05406-10	PSMW 24,25,26 INFLUENT/205037-10 (24,25,26, EW-5)	05-08-02/09:21

PARAMETER	05406-6	05406-7	05406-8	05406-9	05406-10
Aromatic and Halogenated Volatiles (8021B)					
Bromodichloromethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane (Methyl bromide), ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform, ug/l	<0.50	<0.50	0.66I	<0.50	<0.50
Chloromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane, ug/l	<0.30	4.0	5.8	4.0	<0.30
1,2-Dichloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene, ug/l	<0.20	0.49I	8.0	1.2	<0.20
cis-1,2-Dichloroethene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-6	UNM WEST RESERVOIR/205037-06	05-08-02/09:53
05406-7	VEW INFLUENT/205037-07	05-08-02/09:18
05406-8	PSMW-16 INFLUENT/205037-08 (EW-4)	05-08-02/09:20
05406-9	EW-1 INFLUENT/205037-09	05-08-02/09:19
05406-10	PSMW 24,25,26 INFLUENT/205037-10 (EW-5,25,26)	05-08-02/09:21

PARAMETER	05406-6	05406-7	05406-8	05406-9	05406-10
trans-1,3-Dichloropropene, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride (Dichloromethane), ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-Tetrachloroethane, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene, ug/l	<0.50	0.60I	9.0	2.5	9.8
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	1.4	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene, ug/l	<0.30	<0.30	<0.30	<0.30	<0.30
Trichlorofluoromethane, ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate - 4-Bromofluorobenzene (PID), %	100 %	99 %	100 %	101 %	100 %
Surrogate - 4-Bromofluorobenzene (ELCD), %	100 %	105 %	104 %	105 %	107 %
1,2-Dibromoethane (EDB), ug/l	<0.20	<0.20	<0.20	<0.20	<0.20
Dilution Factor	1	1	1	1	1
Analysis Date	05.21.02	05.21.02	05.22.02	05.22.02	05.22.02
Batch ID	LUW044A	LUW044A	LUW044A	LUW044A	LUW044A
Prep Method	5030B	5030B	5030B	5030B	5030B
Analyst	SA	SA	SA	SA	SA
Quantitation Factor	1	1	1	1	1

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-11	EW-3/205037-11	05-08-02/09:22
05406-12	EW-2/205037-12	05-08-02/09:23

PARAMETER	05406-11	05406-12
Aromatic and Halogenated Volatiles (8021B)		
Bromodichloromethane, ug/l	<0.20	<0.20
Bromoform, ug/l	<0.50	<0.50
Bromomethane (Methyl bromide), ug/l	<1.0	<1.0
Carbon tetrachloride, ug/l	<0.20	<0.20
Chlorobenzene, ug/l	<0.50	<0.50
Chloroethane, ug/l	<0.50	<0.50
Chloroform, ug/l	0.60I	<0.50
Chloromethane, ug/l	<1.0	<1.0
Dibromochloromethane, ug/l	<0.20	<0.20
1,2-Dichlorobenzene, ug/l	<0.50	<0.50
1,3-Dichlorobenzene, ug/l	<0.50	<0.50
1,4-Dichlorobenzene, ug/l	<0.50	<0.50
1,1-Dichloroethane, ug/l	4.5	6.9
1,2-Dichloroethane, ug/l	<0.50	<0.50
1,1-Dichloroethene, ug/l	8.3	2.7
cis-1,2-Dichloroethene, ug/l	<0.20	<0.20
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0
1,2-Dichloropropane, ug/l	<0.20	<0.20
cis-1,3-Dichloropropene, ug/l	<0.20	<0.20
trans-1,3-Dichloropropene, ug/l	<0.20	<0.20
Methylene chloride (Dichloromethane), ug/l	<2.0	<2.0
1,1,2,2-Tetrachloroethane, ug/l	<0.50	<0.50
Tetrachloroethene, ug/l	9.9	3.5
1,1,1-Trichloroethane, ug/l	1.3	<1.0

SEVERN TRENT SERVICES

STL Pensacola

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Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
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Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-11	EW-3/205037-11	05-08-02/09:22
05406-12	EW-2/205037-12	05-08-02/09:23

PARAMETER	05406-11	05406-12
1,1,2-Trichloroethane, ug/l	<0.20	<0.20
Trichloroethene, ug/l	<0.30	<0.30
Trichlorofluoromethane, ug/l	<0.20	<0.20
Vinyl chloride, ug/l	<0.50	<0.50
Surrogate - 4-Bromofluorobenzene (PID), %	100 %	100 %
Surrogate - 4-Bromofluorobenzene (ELCD), %	101 %	103 %
1,2-Dibromoethane (EDB), ug/l	<0.20	<0.20
Dilution Factor	1	1
Analysis Date	05.22.02	05.22.02
Batch ID	LUW044A	LUW044A
Prep Method	5030B	5030B
Analyst	SA	SA
Quantitation Factor	1	1

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-13	Trip Blank/205037-14	05-08-02/08:12

PARAMETER	05406-13
Aromatic and Halogenated Volatiles (8021B)	
Bromodichloromethane, ug/l	<0.20
Bromoform, ug/l	<0.50
Bromomethane (Methyl bromide), ug/l	<1.0
Carbon tetrachloride, ug/l	<0.20
Chlorobenzene, ug/l	<0.50
Chloroethane, ug/l	<0.50
Chloroform, ug/l	<0.50
Chloromethane, ug/l	<1.0
Dibromochloromethane, ug/l	<0.20
1,2-Dichlorobenzene, ug/l	<0.50
1,3-Dichlorobenzene, ug/l	<0.50
1,4-Dichlorobenzene, ug/l	<0.50
1,1-Dichloroethane, ug/l	<0.30
1,2-Dichloroethane, ug/l	<0.50
1,1-Dichloroethene, ug/l	<0.20
cis-1,2-Dichloroethene, ug/l	<0.20
trans-1,2-Dichloroethene, ug/l	<1.0
1,2-Dichloropropane, ug/l	<0.20
cis-1,3-Dichloropropene, ug/l	<0.20
trans-1,3-Dichloropropene, ug/l	<0.20
Methylene chloride (Dichloromethane), ug/l	<2.0
1,1,2,2-Tetrachloroethane, ug/l	<0.50
Tetrachloroethene, ug/l	<0.50
1,1,1-Trichloroethane, ug/l	<1.0
1,1,2-Trichloroethane, ug/l	<0.20

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-13	Trip Blank/205037-14	05-08-02/08:12

PARAMETER	05406-13
Trichloroethene, ug/l	<0.30
Trichlorofluoromethane, ug/l	<0.20
Vinyl chloride, ug/l	<0.50
Surrogate - 4-Bromofluorobenzene (PID), %	100 %
Surrogate - 4-Bromofluorobenzene (ELCD), %	105 %
1,2-Dibromoethane (EDB), ug/l	<0.20
Dilution Factor	1
Analysis Date	05.22.02
Batch ID	LUW044A
Prep Method	5030B
Analyst	SA
Quantitation Factor	1

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-14	Method Blank	
05406-15	Lab Control Standard % Recovery	

PARAMETER	05406-14	05406-15
Aromatic and Halogenated Volatiles (8021B)		
Bromodichloromethane, ug/l	<0.20	---
Bromoform, ug/l	<0.50	---
Bromomethane (Methyl bromide), ug/l	<1.0	---
Carbon tetrachloride, ug/l	<0.20	---
Chlorobenzene, ug/l	<0.50	106 %
Chloroethane, ug/l	<0.50	---
Chloroform, ug/l	<0.50	---
Chloromethane, ug/l	<1.0	---
Dibromochloromethane, ug/l	<0.20	---
1,2-Dichlorobenzene, ug/l	<0.50	---
1,3-Dichlorobenzene, ug/l	<0.50	---
1,4-Dichlorobenzene, ug/l	<0.50	---
1,1-Dichloroethane, ug/l	<0.30	---
1,2-Dichloroethane, ug/l	<0.50	---
1,1-Dichloroethene, ug/l	<0.20	108 %
cis-1,2-Dichloroethene, ug/l	<0.20	---
trans-1,2-Dichloroethene, ug/l	<1.0	---
1,2-Dichloropropane, ug/l	<0.20	---
cis-1,3-Dichloropropene, ug/l	<0.20	---
trans-1,3-Dichloropropene, ug/l	<0.20	---
Methylene chloride (Dichloromethane), ug/l	<2.0	---
1,1,2,2-Tetrachloroethane, ug/l	<0.50	---
Tetrachloroethene, ug/l	<0.50	---
1,1,1-Trichloroethane, ug/l	<1.0	---

SEVERN TRENT SERVICES

STL Pensacola

LOG NO: C2-05406
Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-14	Method Blank	
05406-15	Lab Control Standard % Recovery	

PARAMETER	05406-14	05406-15
1,1,2-Trichloroethane, ug/l	<0.20	---
Trichloroethene, ug/l	<0.30	95 %
Trichlorofluoromethane, ug/l	<0.20	---
Vinyl chloride, ug/l	<0.50	---
Surrogate - 4-Bromofluorobenzene (PID), %	101 %	98 %
Surrogate - 4-Bromofluorobenzene (ELCD), %	101 %	103 %
1,2-Dibromoethane (EDB), ug/l	<0.20	---
Dilution Factor	1	---
Analysis Date	05.22.02	---
Batch ID	LUW044A	LW044A
Prep Method	5030B	---
Analyst	SA	---
Quantitation Factor	1	---

SEVERN TRENT SERVICES

STL Pensacola

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Received: 21 MAY 02
Reported: 31 MAY 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 205037, PNM PERSON STATION
Sampled By: Client
Code: 182020531

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
05406-16	Matrix Spike % Recovery	
05406-17	Matrix Spike Duplicate % Recovery	

PARAMETER	05406-16	05406-17
Aromatic and Halogenated Volatiles (8021B)		
Benzene, ug/l	NoMS	NoMS

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Data from any samples that do not meet client, federal, or state sample acceptance criteria (collection, preservation, or holding time) will be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF).

Amy Bradley for
Lance Larson, Project Manager

Final Page Of Report

STL PENSACOLA
Certifications, Memberships & Affiliations

'abama Department of Environmental Management, Laboratory ID No. 40150 (Drinking Water by Reciprocity with FL), expires 06/30/02

***Arizona** Department of Health Services, Lab ID No. AZ0589 (Hazardous Waste & Wastewater), expires 01/11/03*

***Arkansas** Department of Pollution Control and Ecology, (No Laboratory ID No. assigned by state) (Environmental), expires 02/20/03*

***California** Department of Health Services, **NELAP** Laboratory ID No. 01128CA (Hazardous Waste and Wastewater), expires 03/31/02*

***Connecticut** Department of Health Services, Connecticut Lab Approval No. PH-0697 (D W, H W and Wastewater), expires 09/30/03*

***Florida** DOH, **NELAP** Laboratory ID No. E81010 (Drinking Water, Hazardous Waste and Wastewater), expires 06/30/02*

***Florida** DEP/DOH CompQAP # 980156*

***Kansas** Department of Health & Environment, **NELAP** Laboratory ID No. E10253 (Wastewater and Hazardous Waste), expires 10/31/02*

***Kentucky** NR&EPC, Laboratory ID No. 90043 (Drinking Water), expires 12/31/02.*

***Louisiana** DEQ, LELAP, **NELAP** Laboratory ID No. 02075, Agency Interest ID 30748 (Environmental, expires 6/30/02)*

***Maryland** DH&MH Laboratory ID No. 233 (Drinking Water by Reciprocity with Florida), expires 09/30/02*

***Massachusetts** DEP, Laboratory ID No. M-FL094 (Wastewater), expires 06/30/02*

***Michigan** Bureau of E&OccH, Laboratory ID No.9912 (Drinking Water by Reciprocity with Florida), expires 06/30/02*

***New Hampshire** DES ELAP, **NELAP** Laboratory ID No. 250501 (Wastewater), expires 08/16/02*

***New Jersey** DEP&E, **NELAP** Laboratory ID No. FL006 (Wastewater and Hazardous Waster), expires 06/30/02.*

***New York State** Department of Health, **NELAP** Laboratory ID No. 11503 (WW and Solids/Hazardous Waste), expires 03/31/02*

*'th **Carolina** DENR, Laboratory ID No. 314 (Hazardous Waste and Wastewater), expires 12/31/02.*

***North Dakota** DH&Consol Labs, Laboratory ID No. R-108 Wastewater and Hazardous Waste by Reciprocity with Florida), expires 06/30/02*

***Oklahoma** Department of Environmental Quality, Laboratory ID No. 9810 (Hazardous Waste and Wastewater), expires 08/31/02*

***Pennsylvania** Department of Environmental Resources, **NELAP** Laboratory ID No. 68-467 (Drinking Water & Wastewater), expires 12/01/02*

***South Carolina** DH&EC, Laboratory ID No. 96026 (Wastewater & Solids/Hazardous Waste by Reciprocity with FL), expires 06/30/02*

***Tennessee** Department of Health & Environment, Laboratory ID No. 02907 (Drinking Water), expires 08/03/04*

***Virginia** Department of General Services, Laboratory ID No. 00008 (Drinking Water by Reciprocity with FL), expires 06/30/02*

***Washington** Department of Ecology, Laboratory ID No. C282 (Hazardous Waste and Wastewater), expires 09/14/02*

***West Virginia** DOE, Office of Water Resources, Laboratory ID No. 136 (Haz Waste and Wastewater), expires 04/30/02.*

*American Industrial Hygiene Association (**AIHA**) Accredited Laboratory, Laboratory ID No. 100704, expires April 1, 2004. Participant in AIHA sponsored Laboratory PAT Rounds*

***EPA ICR** (Information Collection Rule) Approved Laboratory, Laboratory ID No. ICRFL031*

*Naval Facilities Engineering Services Center (**NFESC**), expires July 5, 2002.*

*United States Army Corps. of Engineers (**USACE**), MRD, expires July 5, 2002.*

STL Pensacola also has a foreign soil permit to accept soils from locations other than the continental United States. Permit No. S-37599

certlist\condcert.lst revised 05/14/2002

SEVERN TRENT SERVICES

STL Pensacola

STL Pensacola Data Qualifiers for Final Report

B	The analyte was detected in the associated method blank and in the client's sample.
C	The compound has been quantitated against a one point calibration.
D	Recovery is not calculable due to dilution.
E	Estimated value because the analyte concentration exceeds the upper calibration range of the instrument or method.
I	Estimated value because the analyte concentration is less than the lower calibration range of the instrument but is at the method detection limit or greater than the method detection limit.
H	Sample and/or duplicate is below 5 X (times) the STL Reporting Limit and the absolute difference between the results exceeds the STL Reporting Limit.
J1	A sample surrogate or an LCS target compound recovered above the upper control limit (UCL). Compounds qualified with a J1 may be biased high.
J2	A sample surrogate or an LCS target compound recovered outside the lower control limit (LCL). Compounds qualified with a J2 may be biased low.
M1	A matrix effect was present.
M2	The MS and/or MSD %R or RPD was outside upper or lower control limits; not necessarily due to matrix effect.
N/C	Not Calculable; Sample spiked is > 4X spike concentration (may also use this flag in place of negative numbers).
R1	Internal standard area exceeds the acceptance criteria
R2	Calibration verification exceeds the acceptance criteria.
S1	The Method of Standard Additions (MSA) has been performed on this sample.
T	Second-column or detector confirmation exceeded the SW-846 criteria of 40% RPD for this compound.
TIC	The compound is not included in the initial calibration curve. It is searched for qualitatively or as a Tentatively Identified Compound.
U	The analyte was not detected at or above the MDL or the RL, whichever is entered next to the "U" value.
W	Post-digestion spike for Furnace AA is out of control limits (85-115%), while sample absorbance is less than 50% spike absorbance.

When the laboratory receives a sample that does not meet EPA requirements for sample collection, preservation or holding time, the laboratory is required to reject the samples. The client must be notified and asked whether the lab should proceed with analysis. Data from any samples that do not meet sample acceptance criteria (collection, preservation and holding time), must be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF) in an unambiguous manner clearly defining the nature and substance of the variation. NPDES samples from North Carolina that do not meet EPA requirements for sample collection, preservation or holding time are non-reportable for NPDES compliance monitoring.

Abbreviations

ND	Not Detected at or above the STL Pensacola reporting limit (RL)
NS	Not Submitted
NA	Not Applicable
MDL	STL Pensacola Method Detection Limit
RL	STL Pensacola Reporting Limit
NoMS	Not enough sample provided to prepare and/or analyze a method-required matrix spike (MS) and/or duplicate (MSD)

Florida Projects Inorganic/Organic

Refer to FL DEP 62-160.700(7); Table 7 Data Qualifier Codes. FL DEP Rule 62-160.670(1)(h) states that laboratories shall include the analytical result for each analysis with applicable data qualifiers. FL DEP Rule 62-160.700(7), Table 7 lists the FL DEP data qualifiers. FL DEP Rule 62-160.700(3), Table 3 lists the Florida sites which require data qualifiers.

AFCEE QAPP Projects

Refer to AFCEE QAPP for appropriate data qualifiers (AFCEE QAPP Version will be specified by client for the project).

Arizona DEQ Projects

Any qualified data submitted to Arizona DEQ (ADEQ) after January 1, 2001 must be designated using the Arizona Data Qualifiers as developed by the Arizona ELAC technical subcommittee. Refer to the ADEQ qualifier list.

CLP and CLP-like Projects

Refer to referenced CLP Statement of Work (SOW) for explanation of data qualifiers. CLP SOW to be followed must be specified to client.

3355 McLemore Drive • Pensacola, FL 32514 • Tel: 850 474 1001 • Fax: 850 478 2[illegible] • www.stl-inc.com
STL Pensacola is a part of Severn Trent Laboratories, Inc.

Pinnacle Laboratories, Inc. **Interlab Chain of Custody** Date: 5/20/02 Page: 1 of –

Network Project Manager: Jacinta A. Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

C205406

WATCH HOLD TIMES!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL (23 METALS)		TOX	TOC	Gen Chemistry:	8021 Halo	Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8240 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM (ICP-MS)	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GTS-INFLUENT/205037-01	5/8/02	0917	AQ	1									X															
GTS-Air Stripper Effluent East/205037-02	5/8/02	0916	AQ	2									X															
GTS-GAC Effluent #1/205037-03	5/8/02	0915	AQ	3									X															
GTS-GAC Effluent #2/205037-04	5/8/02	0914	AQ	4									X															
UNM East Reservoir/205037-05		0947		5									X															
UNM West Reservoir/205037-06		0953		6									X															
VEW Influent/205037-07		0918		7									X															

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:	
PROJECT #: 205037		Total Number of Containers		PENSACOLA - STL-FL	X
PROJ. NAME: PNM		Chain of Custody Seals		ESL - OR	
QC LEVEL: STD. IV		Received Intact?		STL - CT	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - AZ	
TAT: STANDARD RUSH!!		LAB NUMBER:		ATEL - MARION	
				ATEL - MELMORE	
DUE DATE: 5/28	COMMENTS:			BARRINGER	
RUSH SURCHARGE: –				ENVIRO TEST LABS	
CLIENT DISCOUNT: –				WCAS	
SPECIAL CERTIFICATION REQUIRED: YES NO				WOHL	

RELINQUISED BY: 1.	RELINQUISED BY: 2.
Signature: Francine Tenorio Time: 1700	Signature: Time:
Printed Name: Francine Tenorio Date: 5/20/02	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2**
Signature: Mark Swafford Time: 0950	Signature: Time:
Printed Name: Mark Swafford Date: 5/20/02	Printed Name: Date:
Company STLAN	Company

Pinnacle Laboratories, Inc. **Interlab Chain of Custody** Date: 5/20/02 Page: 2 of 2

Network Project Manager: Jacinta A. Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

C205406

WATCH HOLD TIMES!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL (23 METALS)		TOX	TOC	Gen Chemistry:	8021 Halo	Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8240 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM (ICP-MS)	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
MW-16 Influent/205037-08	5/8	0920	AQ	8									X															
EW-1 Influent/205037-09	5/8/02	0919	"	9									X															
PSMW 24, 25, 26				—																								
Influent/205037-10	5/8/02	0921	AQ	10									X															
EW-3/205037-11	↓	0922	↓	11									X															
EW-2/205037-12		0923		12									X															
Trip Blank/205037-14	↓	0812	↓	13									X															

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #: 205037		Total Number of Containers		PENSACOLA - STL-FL	X	Signature: Francine Tenorio Time: 1700	Signature: Time:
PROJ. NAME: PNM		Chain of Custody Seals		ESL - OR		Printed Name: Francine Tenorio Date: 5/20/02	Printed Name: Date:
QC LEVEL: STD IV		Received Intact?		STL - CT		Pinnacle Laboratories, Inc.	Company
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - AZ		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: STANDARD RUSH!!		LAB NUMBER:		ATEL - MARION		Signature: Mark Swafford Time: 0950	Signature: Time:
DUE DATE: 5/28	COMMENTS:			ATEL - MELMORE		Printed Name: Mark Swafford Date: 5/21/02	Printed Name: Date:
RUSH SURCHARGE: —				BARRINGER		Company STL PN	Company
CLIENT DISCOUNT: —				ENVIRO TEST LABS			
SPECIAL CERTIFICATION REQUIRED: YES NO				WCAS			
				WOHL			

STL Pensacola
PROJECT SAMPLE INSPECTION FORM

SEVERN TRENT SERVICES

Lab Order #: C205406 Date Received: 5/21/02

1. Was there a Chain of Custody? (Yes) No+
2. Was Chain of Custody properly filled out and relinquished? (Yes) No+
3. Were samples received cold? (Criteria: 2° - 6°C: STL-SOP (Yes) No+ N/A
4. Were all samples properly labeled and identified? (Yes) No+
5. Did samples require splitting or compositing♦? Yes+ (No)
   Req By: PM Client Other♦
6. Were samples received in proper containers for analysis requested? (Yes) No+
7. Were all sample containers received intact? (Yes) No+
8. Were samples checked for preservative? *(Check pH of all H_2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)+* Yes No+ (N/A)
9. Is there sufficient volume for analysis requested? (Yes) No+ N/A *(Can)*
10. Were samples received within Holding Time? (REFER TO STL-SOP 1040) (Yes) No+
11. Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control section. Yes+ (No) N/A
12. If sent, were matrix spike bottles returned? Yes No+ (N/A)
13. Was Project Manager notified of problems? (initials:_____) Yes No+ (N/A)

Airbill Number(s): 1Z8781680144049078

Shipped By: UPS

Cooler Number(s): Client

Shipping Charges: N/A

Cooler Weight(s): 14#

Cooler Temp(s) (°C): 4°C
CCK11
(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

#10 Watch Hold Times!

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: MHS Date: 5/21/02 Logged By: pez Date: 5/21/02

+ *Note all Out-of-Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples(pH, Dissolved O_2, Residual CL) as out of hold time, therefore, these samples will not be documented on this PSIF.*

♦ *If Other, note who requested the splitting or compositing of samples on the Comment Section of this form. All volatile samples requested to be split or composited must be done in the Volatile Lab. Document: "Volatile sample values may be compromised due to sample splitting (compositing)"*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (STL-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, STL makes it policy to record any headspace as out-of-control (STL-SOP 938, section 2.2.12).*

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 5-9-02 PAGE: 2 OF 2

PLI Accession #: 205037

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM INCOMPLETELY.

PROJECT MANAGER: CHUCK ARATER

COMPANY: PUBLIC SERVICE COMPANY OF NEW MEXICO
ADDRESS: ALVARADO SQUARE - ER16
ALBUQUERQUE, NM 87158
PHONE: (505) 241-4744
FAX: (505) 241-2487

BILL TO: SAME
COMPANY:
ADDRESS: ATTN: CHUCK ARATER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject		(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐ / DBCP ☐	Total Sulfur	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:		Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
VEW INFLUENT	5-8	0918	AQ	07									X																				2
PSMW-16 INFLUENT	5-8	0920	AQ	08									X																				2
EW- 1 INFLUENT	5-8	0919	AQ	09									X																				2
PSMW 24,25,26 INFLUENT	5-8	0921	AQ	10									X																				2
EW-3	5-8	0922	AQ	11									X																				2
EW-2	5-8	0923	AQ	12									X																				2
Surge Tank Discharge	5-8	0912	AQ	13												X																	1

PROJECT INFORMATION

PROJ. NO.: Remediation
PROJ. NAME: Person Station
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	26
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	Direct from field

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☑

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

~~4~~ 3 copies Please

PLEASE PROVIDE DATA ON DISKETTE AS WELL AS EXTRA HARD COPY TO RON JOHNSON MS-0408

RELINQUISHED BY: 1.
Signature: [illegible] Time: 1535
Printed Name: C Hucker Arater Date: 5-9-02
Company: PNM
See reverse side (Force Majeure)

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [illegible] Time: 1114
Printed Name: Luke Montoya Date: 5/8/02
Pinnacle Laboratories Inc.

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 5-8-02 PAGE: 1 OF 8

PLI Accession #: 205037

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: CHUCK ARATER

COMPANY: PUBLIC SERVICE COMPANY OF NEW MEXICO
ADDRESS: ALVARADO SQUARE - ER16
ALBUQUERQUE, NM 87158
PHONE: (505) 241-4744
FAX: (505) 241-2487

BILL TO: SAME
COMPANY:
ADDRESS: ATTN: CHUCK ARATER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject		(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐ / DBCP ☐		8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:		Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
GTS-INFLUENT	5-8	0917	AQ	01									X																				2
GTS-AIR STRIPPER EFFLUENT EAST	5-8	0916	AQ	02									X																				2
GTS-AIR STRIPPER EFFLUENT ~~WEST~~																																	
GTS-GAC EFFLUENT ~~EAST~~ #1	5-8	0915	AQ	03									X																				2
GTS-GAC EFFLUENT ~~WEST~~ #2	5-8	0914	AQ	04									X																				2
UNM EAST RESERVIOR	5-8	0947	AQ	05									X																				2
UNM WEST RESERVOIR	5-8	0953	AQ	06									X																				2
TRIP BLANK	5/8/02	0812		14																													1

PROJECT INFORMATION

PROJ. NO.: Remediation
PROJ. NAME: Person Station
P.O. NO..
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	26
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	Direct from field

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☑

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

4 copies Please
3

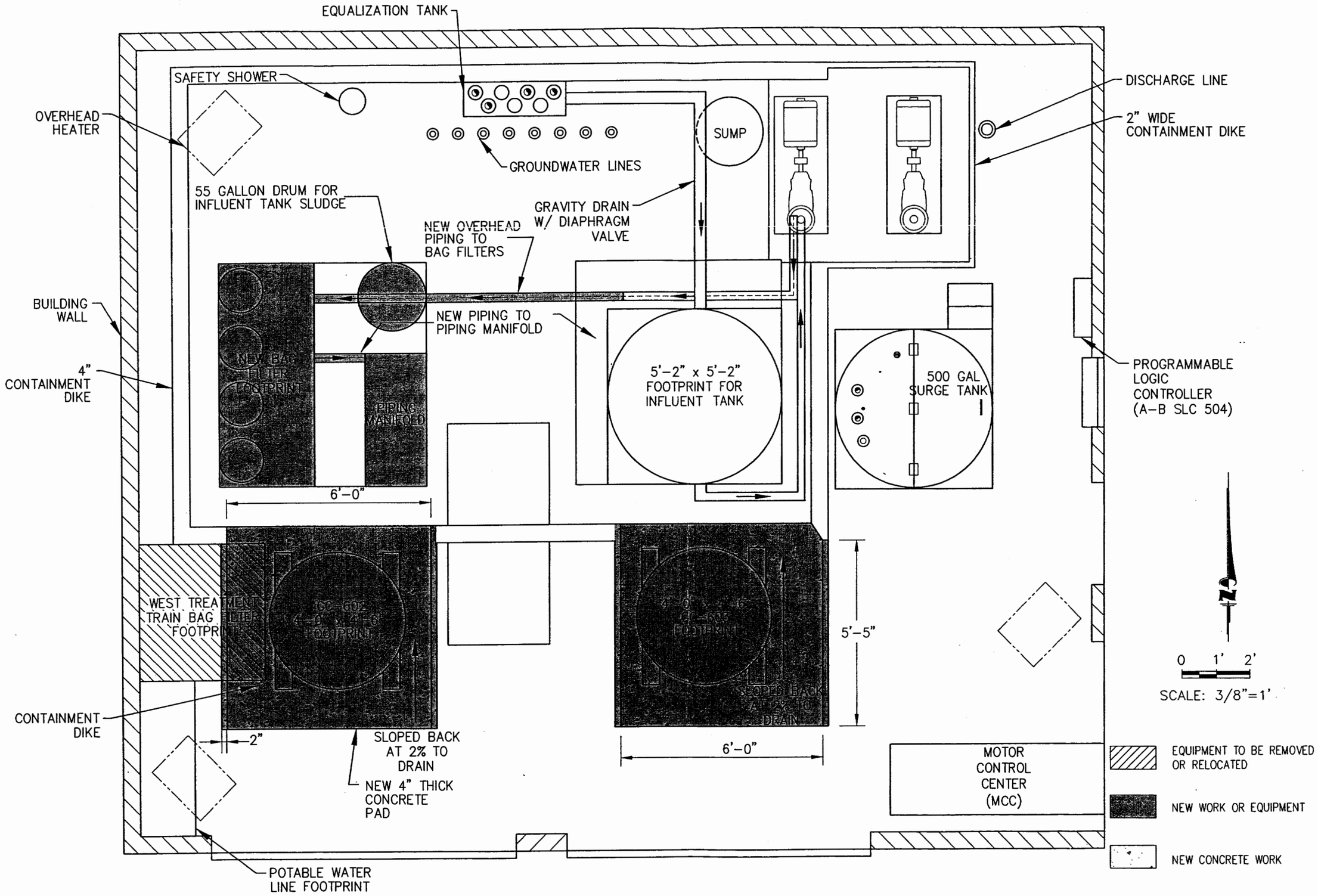
PLEASE PROVIDE DATA ON DISKETTE AS WELL AS EXTRA HARD COPY TO RON JOHNSON MS-0408

RELINQUISHED BY: 1.
Signature: [illegible] Time: 1031
Printed Name: CHUCK ARATER Date: 5-8-02
Company: PNM
See reverse side (Force Majeure)

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [illegible] Time: 1114
Printed Name: Luke Montoya Date: 5/8/02
Pinnacle Laboratories Inc.



Job No. 730308.07000				
Designed	MK			
Drawn	BLM			
Checked				
Reviewed		2	2/02	FOR CONSTRUCTION
Approved		1	5/2001	100% FULL SCALE
Reg No		0	5/2001	PILOT SCALE
Date	5/2001	Rev	Date	Description

PARSONS ENGINEERING SCIENCE, INC.
1700 Broadway, Suite 900
Denver, Colorado
(303) 831-8100

PUBLIC SERVICE COMPANY OF NEW MEXICO
PERSON STATION
GROUNDWATER TREATMENT SYSTEM

100% FULL SCALE BUILDING FLOOR PLAN

DRAWING NO M-0.1A REV 2

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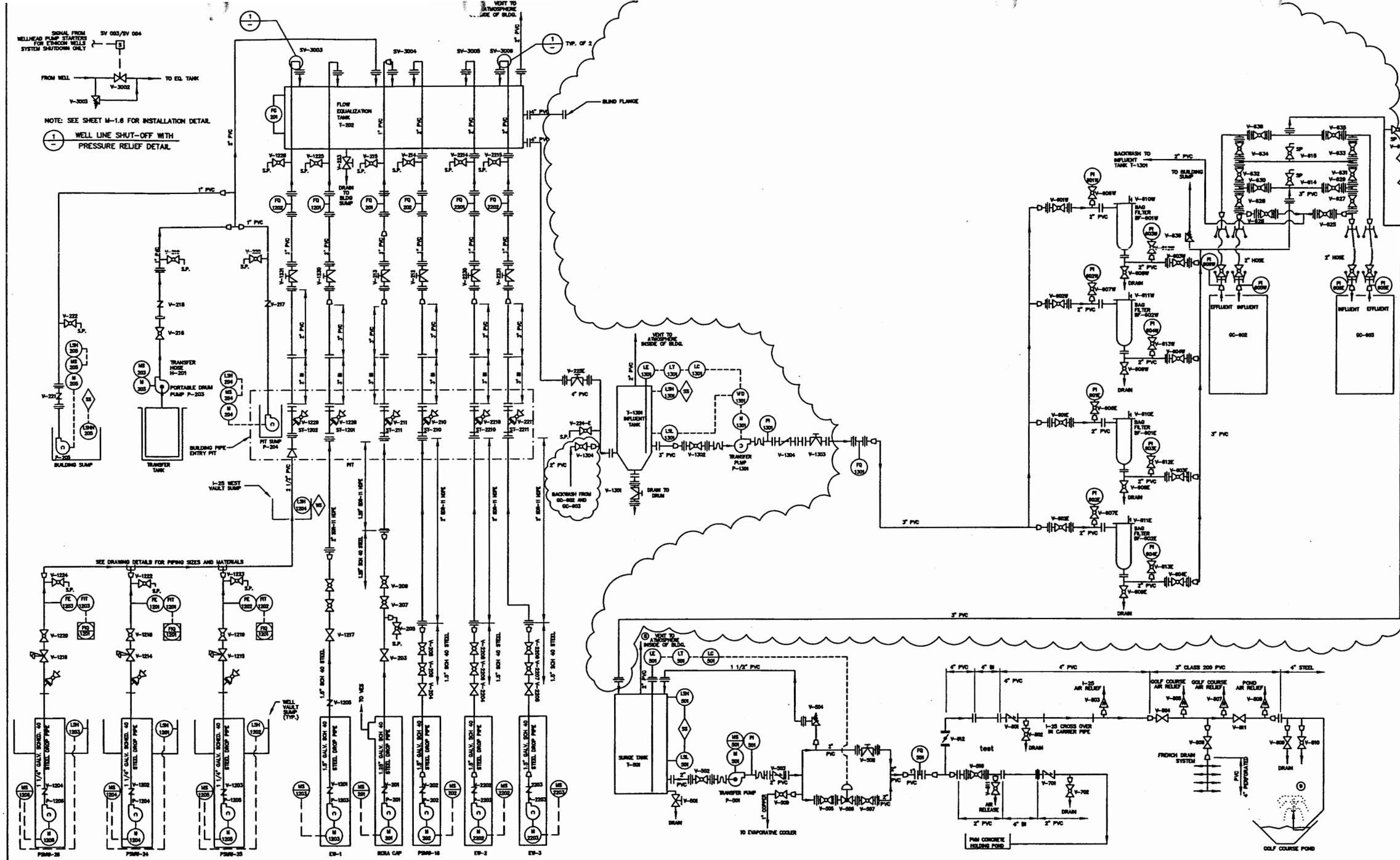

GENERAL NOTES

1) SYSTEM SHUTDOWN FOR THE WATER TREATMENT SYSTEM WILL CUTOFF POWER TO SUBMERSIBLE PUMPS (P-201, P-202, P-1203, P-1204, P-1205, P-1206, P-2202 AND P-2203), STRIPPER BLOWER (B-301W), AIR STRIPPER TRANSFER PUMP (P-301E), GAC INFLUENT TRANSFER PUMP (P-1301W), CHEMICAL METERING PUMPS (MP-901E AND MP-901), AND SURGE TANK TRANSFER PUMP (P-501) BY PLC. SYSTEM SHUTDOWN INITIATES ALARM ANNUNCIATOR AT REEVES STATION VIA MODEM.

2) THE EAST, WEST AND BOTH HAND SWITCH WILL BE CONFIGURED TO ALLOW THE OPERATION OF THE GAC SYSTEM, THE AIR STRIPPER SYSTEM OR BOTH.

Rev	Date	Description
8	2-02	FOR CONSTRUCTION
7	5-01	100% DESIGN
6	5-01	PILOT SCALE
5	5-99	INSTALL EW-2 & EW-3
4	11-1-96	PHASE 2 UPDATE
3	8/1/96	AS-BUILT
2	3/28/96	Client Revisions

Job No. 730308.07000

Designed
Drawn
Checked
Reviewed
Approved
Reg No
Date

PARSONS ENGINEERING SCIENCE, INC.
1700 Broadway, Suite 900
Denver, Colorado
(303) 831-8100

PUBLIC SERVICE COMPANY OF NEW MEXICO
PERSON STATION
GROUNDWATER TREATMENT SYSTEM

100% FULL SCALE P&T SYSTEM P&ID RECONSTRUCTION PLAN

DRAWING NO P-1.1
REV 8

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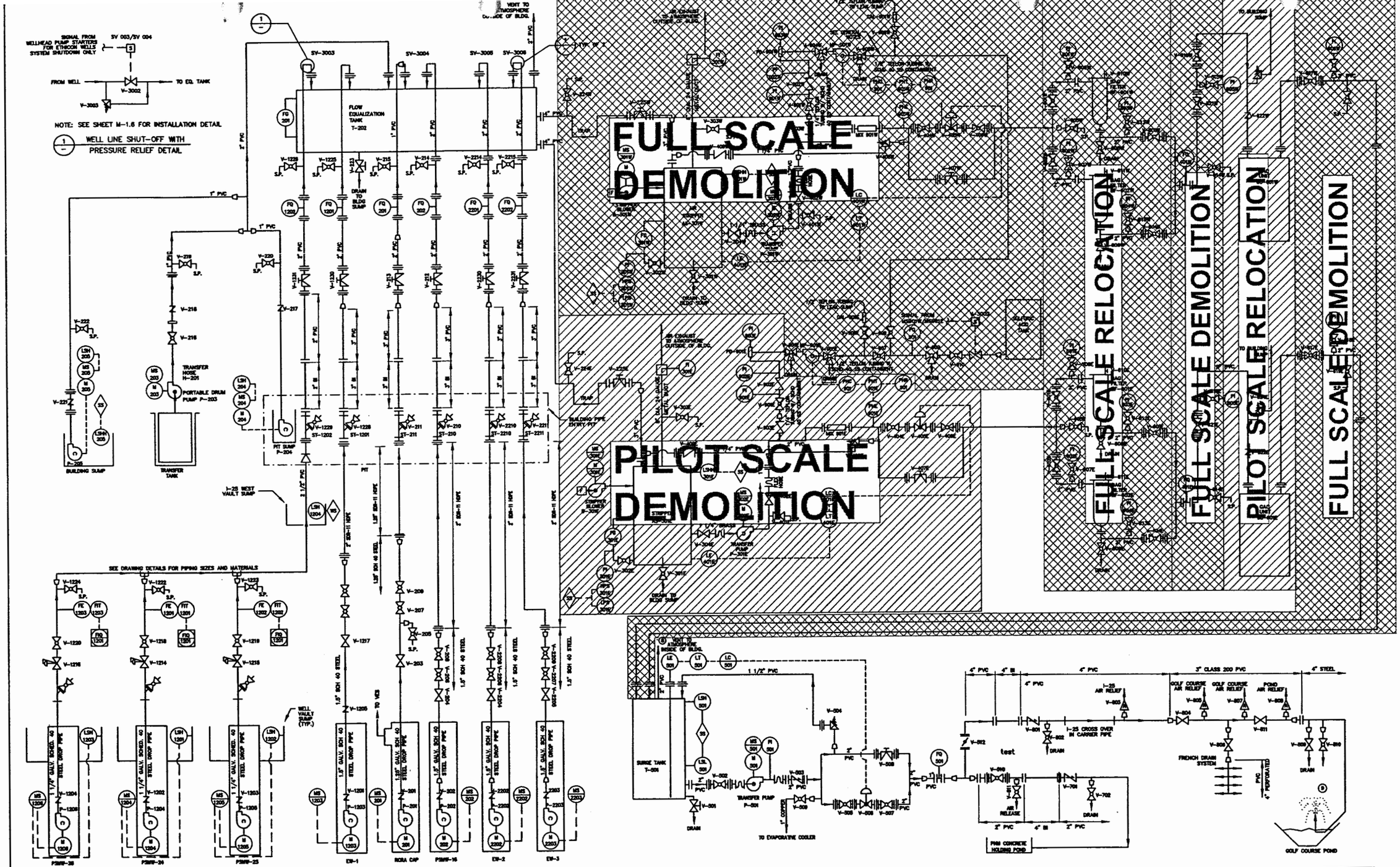

GENERAL NOTE

SYSTEM SHUTDOWN FOR THE WATER TREATMENT SYSTEM WILL CUTOFF POWER TO SUBMERSIBLE PUMPS (P-201, P-202, P-1203, P-1204, P-1205, AND P-1206), STRIPPER BLOWERS (B-301E AND B-301W), AIR STRIPPER TRANSFER PUMPS (P-301E AND P-1301W), CHEMICAL METERING PUMPS (MP-901E AND MP-901W), AND SURGE TANK TRANSFER PUMP (P-501) BY PLC. SYSTEM SHUTDOWN INITIATES ALARM ANNUNCIATOR AT REEVES STATION VIA MODEM.

Rev	Date	Description
5	5-99	INSTALL EW-2 & EW-3
4	11-1-96	PHASE 2 UPDATE
3	8/1/96	AS-BUILT
2	3/28/96	Client Revisions
1	2/06/96	Issued For Construction
0	2/01/96	For Construction

Job No. 730308.07000
Designed
Drawn
Checked
Reviewed
Approved
Reg No
Date

PARSONS ENGINEERING SCIENCE, INC.
Denver, Colorado (303) 831-8100

PUBLIC SERVICE COMPANY OF NEW MEXICO
PERSON STATION
GROUNDWATER TREATMENT SYSTEM

DEMOLITION P & ID
P & ID PLANS

DRAWING NO P-1.1
REV 5

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