GW - 208

GENERAL CORRESPONDENCE

YEAR(S):

2006-1995

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, December 22, 2006 1:16 PM
To: 'Bays, David'
Subject: RE: Expired Discharge Plan Permits

Mr. Bays:

I will double check our files for OCD closure correspondence for the discharge plan facilities (GWs) in your note below. However, I do not recall seeing OCD correspondence approving the closure of the facilities (except for the Hampton CS) or a closure report in our files.

The OCD requires that the company verify that environmental contamination is not present at the facility. In addition, we also need photos to help verify that the property where the facilities are located have been restored and closed in accordance with a closure plan.

You may also want to double check your files for OCD correspondence approving the closure of the facilities. Thank you.

From: Bays, David [mailto:David.Bays@Williams.com]
Sent: Monday, December 18, 2006 6:16 AM
To: Chavez, Carl J, EMNRD
Subject: RE: Expired Discharge Plan Permits

As we discussed by telephone, the Hampton Straddle compressor is now located at the North Crandell Station, and is covered by permit GW-310.

The Division was notified in writing on August 22, 2001 that the Kernaghan B-8 and the Moore Stations were both permanently shut down and dismantled. These sites are no longer subject to WQCC 3106.F.

The Division was notified in writing on August 26, 2001 that the Hart Mountain and Trunk G Stations were both permanently shut down and dismantled. These sites are no longer subject to WQCC 3106.F.

David Bays, REM
Sr. Environmental Specialist
Williams Midstream
Phone: (505) 634-4951
Fax: (505) 632-4781

From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Friday, December 15, 2006 4:40 PM
To: Klein, Elisabeth A; rschmaltz@giant.com; ed.sloman@igeenergy.com; Moore, Darrell; Aparicio, Linda K.; Bays, David
Cc: Price, Wayne, EMNRD
Subject: Expired Discharge Plan Permits

Ladies and Gentlemen:

The Oil Conservation Division's (OCD) records indicate that your discharge plan has expired (see attached "Expired-No Expire Permits 12-15-06" file). New Mexico Water Quality Control Commission regulations (WQCC) Section 3106.F (20.6.2.3106.F NMAC) specifies that if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. You may be operating without a permit. Please submit a permit renewal application with a filing fee (20.6.2.3114 NMAC) of $100.00 by December 31, 2006. Please make all checks payable to the **Water Quality Management Fund** and addressed to the OCD Santa Fe Office. There is also a discharge plan permit fee, based on the type of facility, which OCD will assess after processing your application. An application form and guidance document is attached in order to assist in expediting this process.

In accordance with the public notice requirements (Subsection A of 20.6.2.3108 NMAC) of the newly revised (July 2006) WQCC regulations, "...to be deemed administratively complete, an application shall provide all of the information required by Paragraphs (1) through (5) of Subsection F of 20.6.2.3108 NMAC and shall indicate, for department approval, the proposed locations and newspaper for providing notice required by Paragraphs (1) through (4) of Subsection B or Paragraph (2) of Subsection C of 20.6.2.3108 NMAC." You are required to provide the information specified above in your permit renewal application submittal. Attached are a flow chart and the regulatory language pertaining to the new WQCC public notice requirements for your convenience. After the application is deemed administratively complete, the revised public notice requirements of 20.6.2.3108 NMAC must be satisfactory demonstrated to OCD. OCD will provide public notice pursuant to the revised WQCC notice requirements of 20.6.2.3108 NMAC to determine if there is any public interest.

Please find attached other relevant files for your consideration and use. If your discharge plan filing fee has been submitted, please inform me that it has been sent. You may contact me by phone at 505-476-3491 or email carlj.chavez@state.nm.us if you have any questions regarding this matter. Thanks in advance for your cooperation.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/
(Pollution Prevention Guidance is under "Publications")

Chavez, Carl J, EMNRD

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Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/
(Pollution Prevention Guidance is under "Publications")

Work Copy

SITE NAME	DISCHARGE PLAN #	CURRENT OCD PLAN # of Units/ HP	ACTUAL INSTALLS # of Units/ HP	AQB PERMITTED # of Units/ HP
Category 4 - Current OCD Plan reflects more units than actual install; AQB permit allows additional installs				
CARRACAS CDP	GW-112	2 units/895 HP ea	1 unit/895 HP	3 units/1378 HP ea
LA COSA C.S.	GW-187	8 units/ 1185 hp ea.	1 unit/2980 hp; 1 unit/1408 hp	1 unit/2980 hp; 4 units/1408 hp ea
Category 5 - Current OCD Plan reflects actual installations; AQB permit allows additional installs				
30-5 #1CDP	GW-108	9 units/1088 HP ea.	9 units/1088 HP ea.	12 units/1374 HP ea.
30-8 CDP	GW-133	10 units/1085 HP ea	10 units/1085 HP ea	14 units/1375 HP ea
DECKER JUNCTION CDP	GW-134	10 units/895 HP ea	10 units/895 HP ea	16 units/1388 HP ea
SIMS MESA CDP	GW-68	7 units/895 HP ea OK	7 units/895 HP ea	10 units/1374 HP ea
LATERAL N-30 C.S.	GW-256	2 units/1117 HP ea	2 units/1117 HP ea	6 units/1356 HP ea
Category 6 - Current OCD Plan reflects actual installations; all AQB permitted units are installed				
29-6 #3CDP	GW-198	1 unit/1129 HP ea.	1 unit/1129 HP ea.	1 unit/1129 HP ea,
32-8 #3	GW-116	6 units; /total site HP 8178	6 units/1373 HP ea	6 units/1373 HP ea
AZTEC CDP	GW-155	12 units/1384 HP ea	12 units/1384 HP ea	12 units/1384 HP ea
HART MTN BOOSTER C.S.	GW-208	2 units/895 HP ea	2 units/895 HP ea	2 units/1151 HP ea
KERNAGHAN STRADDLE	GW-271	2 units/895 HP ea	2 units/895 HP ea	2 units/1121 HP ea
PRITCHARD STRADDLE C.S.	GW-273	3 units/1270 HP ea	3 units/1270 HP ea	3 units/1279 HP ea
TRUNK C BOOSTER C.S	GW-257	2 units/1268 HP ea	2 units/1268 HP ea	2 units/1268 HP ea
LAGUNA SECA	GW-307	2 units/1375 HP & 1146 hp	2 units/1375 HP& 1146 hp	2 units/1232 HP ea
TRUNK G C.S.	GW-229	1 unit/1373 HP	1 unit/1373 HP	1 unit/1373 HP
NORTH CRANDELL	GW-310	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp
SNOW SHOE STRADDLE	GW-287	1 Caterpilla 500 HP	1 Caterpilla 500 HP	1 Caterpilla 500 HP
5-POINTS	GW-78	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp
GALLEGOS	GW-293	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp
WILD HORSE	GW-79	1 unit/540 HP	1 unit/540 HP	1 unit/538 HP
COYOTE SPRINGS	GW-250	1 unit/1367 HP	1 unit/1367 HP	1 unit/1367 HP
CROUCH MESA	GW-129	1 unit/110 HP	1 unit/110 HP	1unit/677 HP

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

February 25, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. Z-142-564-961

Ms. Ingrid Deklau
Williams Field Services
P. O. Box 58900
Salt Lake City, Utah 84108

RE: Discharge Plan Renewal Notice for Williams Field Services Facilities

Dear Mr. Deklau:

Williams Field Services has the following discharge plans which expire during the current calender year.

GW-137 expires 6/6/2000 – La Cosa Compressor Station
GW-198 expires 7/31/2000 – 29-6 No. 3 CDP Compressor Station
GW-208 expires 8/18/2000 – Hart Mountain Booster Compressor Station
GW-229 expires 12/6/2000 – Trunk G Compressor Station

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50.00 plus a flat fee equal to one-half of the original flat fee for gas processing facilities. The $50.00 filing fees is are be submitted with the discharge plan renewal applications and are nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at **www.emnrd.state.nm.us/ocd/**).

If any of the above sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Williams Field Services has any questions, please do not hesitate to contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Oil Conservation Division

cc: OCD Aztec District Office

295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84108
801/584-6543
801/584-7760

September 14, 1998

Mr. Jack Ford
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Underground Line Testing Results at various Williams Field Services Facilities

Dear Mr. Ford:

Enclosed, please find a copy of the results of the underground line testing that was performed at the Williams Field Services (WFS) facilities listed below.

Trunk C (GW-259)	Carracas (GW-112)	30-5 (GW-108)
Hart Mountain (GW-208)	32-8#3 (GW-116)	30-8 (GW-133)
Decker Junction (GW-134)	Rosa #1 (GW-292)	Trunk B (GW-249)
Aztec (GW-155)	Manzanares (GW-62)	32-9 (GW-91)
Cedar Hill (GW-87)	Simms Mesa (GW-68)	Kernaghan (GW-271)
Horse Canyon (GW-61)	Trunk A (GW-248)	Trunk N (GW-306)
32-7 (GW-117)	29-7 (GW-136)	32-8#2 (GW-111)
Also Added: Moore (GW-273)	Pritchard (GW-274)	Kernaghan B-8 (GW-272)

If you have any questions concerning this submittal, please call me at 801-584-6543.

Sincerely,

Ingrid Deklau
Environmental Specialist

XC: Denny Foust, NM OCD

GW-208

PIPELINE FACILITY TEST REPORT

FORM 910 1239 (1-94)

1-WORK ORDER NO. 70-395-7500-29

FACILITY DESCRIPTION

2-NAME OF FACILITY: Hart Mt. Compressor

3-FACILITY LOCATION: AREA: San Juan; DISTRICT: Manzanares; COUNTY/STATE: San Juan N. Mex

4-FACILITY TYPE
- ☐ Gathering _____
- ☐ Transmission
- ☐ Line Pipe
- ☒ Plant/Station
- ☐ Vessel
- ☐ Hot Tap
- ☐ Line Junct.
- ☐ Well Setting
- ☐ Fabrication
- ☐ Other _____

3A-SECTION: 27; TOWNSHIP: 31-N; RANGE: 9W

5-PIPE MANUFACTURER: P.V.C.

6-PIPE DATA
- DIAMETER: 2" + 4"
- WALL THICKNESS: Sch. 80 P.V.C.
- SPEC. & GRADE: Sch. 80 P.V.C.
- LENGTH OF TEST SECTION: all plant piping

7-DESCRIPTION OF PORTION TESTED (FROM — TO): Test waste water System inside plant yard

TEST SPECIFICATIONS

8-TYPE OF TEST
- ☐ Strength
- ☒ Leak
- ☐ Both

9-TEST STATIONS AND ELEVATION
- BEGIN LOCATION
- END LOCATION
- DEAD WEIGHT
- HIGH POINT
- LOW POINT
- PRESSURE PUMP

10-REASON FOR TEST
- ☐ New Facility
- ☐ Pre-Test
- ☐ Repair
- ☐ Retest

11-PRESSURE DATA
- PRELIMINARY LEAK PRESSURE
- BEGIN STATION MINIMUM PRESSURE
- END STATION MINIMUM PRESSURE
- REQUIRED TEST PRESSURE: 3 P.S.I.
- HIGH POINT MINIMUM PRESSURE
- LOW POINT MAXIMUM PRESSURE
- REQUIRED TEST DURATION: 1 hr.
- TEST LIMITATIONS (VALVES, FITTINGS, ETC.)
- TEST MEDIUM: Water

TEST RESULTS

12-TEST START DATE: July 8 / HOUR: 6:45 AM

13-TEST COMPLETED DATE: July 8 HOUR: 7:45 AM

14-WEATHER: Cloudy Mild

15-COMMENTS: Talked Denny Foust with O.C.D. informed him of test

TIME	D.W. PRESSURE	AMB. TEMP. °F	REMARKS
			Test Held

APPROVALS

DATA TAKEN BY: Bryan Abeyta

TEST APPROVED BY:

DATE:

TEST WITNESSED BY: Michael Worden

TEST COMPANY: Sunland

DISTRIBUTION: ORIGINAL — Project Engineer, COPY — Compliance, COPY — Originator

Enseco Incorporated

CEDAR HILL C.D.P.
WASTE OIL + WASTEWATER

Enseco
A Corning Company

Enseco
A Corning Company

September 21, 1992

Ms. Carol Revelt
Northwest Pipeline Corporation
295 Chipeta Way

Rocky Mountain
Analytical Laboratory

Enseco
A Corning Company

September 21, 1992

Ms. Carol Revelt
Northwest Pipeline Corporation
295 Chipeta Way
Salt Lake City, UT 84158-0900

Dear Ms. Revelt:

Enclosed is the report for three aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory (RMAL) on August 19, 1992.

Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Joe A. Maes
Program Administrator

Reviewed by:

Joel E. Holtz
Program Administrator

JAM/JEH/lw
Enclosures

RMAL #024601

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

Rocky Mountain
Analytical Laboratory

Enseco
A CORNING Company

ANALYTICAL RESULTS

FOR

NORTHWEST PIPELINE CORPORATION

ENSECO-RMAL NO. 024601

SEPTEMBER 21, 1992

Reviewed by:

Joe A. Maes

Joel E. Holtz

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

Introduction

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

- Sample Description Information
- Analytical Test Requests
- Analytical Results
- Quality Control Report

All analyses at Enseco are performed so that the maximum concentration of sample consistent with the method is analyzed. Dilutions are at times required to avoid saturation of the detector, to achieve linearity for a specific target compound, or to reduce matrix interferences. In this event, reporting limits are adjusted proportionately. Surrogate compounds may not be measurable in samples which have been diluted.

Sample 024601-0001 was diluted for Method 8020 due to concentrations of target compounds present beyond linear range; the reporting limits have been increased accordingly.

Sample 024601-0002 was diluted for Method 9020 due to matrix interferences; the reporting limits have been increased accordingly.

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco-RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Enseco
A Corning Company

SAMPLE DESCRIPTION INFORMATION
for
Northwest Pipeline Corporation

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
024601-0001-SA	CEDAR HILL CDP WASTE WATER TAN	AQUEOUS	18 AUG 92	12:40	19 AUG 92
024601-0002-SA	WASTE OIL TANK CEDAR HILL	AQUEOUS	18 AUG 92	11:30	19 AUG 92
024601-0003-TB	TRIP BLANK	AQUEOUS			19 AUG 92

Enseco
A Corning Company

ANALYTICAL TEST REQUESTS
for
Northwest Pipeline Corporation

Lab ID: 024601	Group Code	Analysis Description	Custom Test?
0001	A	pH	N
		Total Dissolved Solids (TDS)	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		Total Organic Halogen (TOX)	N
		Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	N
		Arsenic, Furnace AA (Total)	N
		Prep - Total Metals, Furnace AA	N
		Lead, Furnace AA (Total)	N
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N
0002	B	Arsenic, Furnace AA	N
		Prep - Total Metals, Furnace AA	N
		ICP Suite	Y
		Prep - Total Metals, ICP	N
		Lead, Furnace AA	N
		Total Organic Halogen (TOX)	N
		Ignitability, Closed Cup	N
0003	C	Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	N

Analytical Results

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization data is the date when the project was defined by the client such that laboratory work could begin.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e. no correction is made for moisture content.

The results from the Standard Enseco QA/QC Program, which generates data which are independent of matrix effects, are provided subsequently.

Enseco
A Corning Company

Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: NA Analyzed: 22 AUG 92

Parameter	Result	Units	Reporting Limit
Benzene	19	ug/L	1.2
Toluene	63	ug/L	1.2
Ethylbenzene	12	ug/L	1.2
Xylenes (total)	240	ug/L	1.2
Surrogate	**Recovery**		
a,a,a-Trifluorotoluene	112	%	

ND = Not detected
NA = Not applicable

Reported By: Steve Shurgot Approved By: Stan Dunlavy

Enseco
A Corning Company

Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Northwest Pipeline Corporation
Client ID: TRIP BLANK
Lab ID: 024601-0003-TB
Matrix: AQUEOUS Sampled: Unknown Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: NA Analyzed: 24 AUG 92

Parameter	Result	Units	Reporting Limit
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50
Surrogate	**Recovery**		
a,a,a-Trifluorotoluene	106	%	

ND = Not detected
NA = Not applicable

Reported By: Steve Shurgot Approved By: Stan Dunlavy

Enseco
A Corning Company

Metals

Total Metals

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Arsenic	ND	mg/L	0.0050	7060	10 SEP 92	12 SEP 92	
Barium	0.11	mg/L	0.010	6010	10 SEP 92	15 SEP 92	
Cadmium	ND	mg/L	0.0050	6010	10 SEP 92	15 SEP 92	B
Chromium	0.15	mg/L	0.010	6010	10 SEP 92	15 SEP 92	
Lead	0.020	mg/L	0.010	7421	10 SEP 92	11 SEP 92	
Mercury	ND	mg/L	0.00020	7470	13 SEP 92	13 SEP 92	

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Jeff Malecha Approved By: Sandra Jones

Enseco
A Corning Company

Metals

Total Metals

Client Name: Northwest Pipeline Corporation
Client ID: WASTE OIL TANK CEDAR HILL
Lab ID: 024601-0002-SA
Matrix: WASTE Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/kg	1.0	7060	14 SEP 92	16 SEP 92
Cadmium	ND	mg/kg	0.50	6010	14 SEP 92	15 SEP 92
Chromium	1.0	mg/kg	1.0	6010	14 SEP 92	15 SEP 92
Lead	2.8	mg/kg	2.2	7421	14 SEP 92	14 SEP 92

ND = Not detected
NA = Not applicable

Reported By: Bob Reilly

Approved By: Sandra Jones

General Inorganics

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
pH	4.9	units	--	9040	NA	19 AUG 92
Total Organic Halogen as Cl	71.4	ug/L	30.0	9020	NA	10 SEP 92
Total Dissolved Solids	498	mg/L	10.0	160.1	NA	25 AUG 92

ND = Not detected
NA = Not applicable

Reported By: Pam Rosas

Approved By: Steve Shurgot

Enseco
A Corning Company

General Inorganics

Client Name: Northwest Pipeline Corporation
Client ID: WASTE OIL TANK CEDAR HILL
Lab ID: 024601-0002-SA
Matrix: WASTE Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Ignitability	>160	deg. F	--	1010	NA	03 SEP 92 o
Total Organic Halogen as Cl	ND	mg/kg	3.0	9020	NA	15 SEP 92

Note o : This test is unreliable for any sample other than a non-aqueous liquid.

ND = Not detected
NA = Not applicable

Reported By: Leslie Gergurich Approved By: Steve Shurgot

Quality Control Report

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of Duplicate Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

In addition, the Enseco laboratories maintain a comprehensive set of certifications from both state and federal governmental agencies which require frequent analyses of blind audit samples. Enseco-Rocky Mountain Analytical Laboratory is certified by the EPA under the EPA/CLP program for Organic analyses, under the USATHAMA (U.S. Army) program, by the Army Corps of Engineers, and the states of Colorado, New Jersey, Utah, and Florida, among others.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with either representative target compounds or surrogate compounds appropriate to the method being used. An SCS is prepared for each sample lot for which the DCS pair are not analyzed.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Enseco
A Corning Company

QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	602-A	18 AUG 92-1H	22 AUG 92-1H
024601-0003-TB	AQUEOUS	602-A	18 AUG 92-1H	24 AUG 92-1H

Enseco
A Corning Company

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H Concentration Units: ug/L								
Benzene	5.0	5.28	5.29	5.28	106	72-112	0.2	10
Toluene	5.0	4.99	5.01	5.00	100	74-109	0.4	10
Ethylbenzene	5.0	4.85	4.89	4.87	97	76-105	0.8	10
Xylenes (total)	5.0	4.82	4.88	4.85	97	74-111	1.2	10
1,3-Dichlorobenzene	5.0	4.83	4.94	4.88	98	72-121	2.3	15

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco
A Corning Company

SINGLE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 22 AUG 92-1H Concentration Units: ug/L				
a,a,a-Trifluorotoluene	30.0	31.2	104	90-113
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 24 AUG 92-1H Concentration Units: ug/L				
a,a,a-Trifluorotoluene	30.0	30.9	103	90-113

Calculations are performed before rounding to avoid round-off errors in calculated results.

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A Corning Company

METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8020-BTEX-AP Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 22 AUG 92-1H			
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50
Test: 8020-BTEX-AP Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 24 AUG 92-1H			
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50

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A Corning Company

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	ICP-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	AS-FAA-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	PB-FAA-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	HG-CVAA-AT	13 SEP 92-1A	13 SEP 92-1A
024601-0002-SA	SOIL	AS-FAA-S	11 SEP 92-1A	11 SEP 92-1A
024601-0002-SA	SOIL	ICP-S	14 SEP 92-1R	14 SEP 92-1R
024601-0002-SA	SOIL	PB-FAA-S	14 SEP 92-1R	14 SEP 92-1R

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L								
Aluminum	2.0	2.03	2.04	2.03	102	75-125	0.2	20
Antimony	0.5	0.510	0.499	0.505	101	75-125	2.2	20
Arsenic	0.5	0.480	0.453	0.467	93	75-125	5.7	20
Barium	2.0	1.92	1.93	1.92	96	75-125	0.4	20
Beryllium	0.05	0.0500	0.0497	0.0498	100	75-125	0.6	20
Cadmium	0.05	0.0468	0.0442	0.0455	91	75-125	5.7	20
Calcium	100	103	102	103	103	75-125	1.0	20
Chromium	0.2	0.190	0.195	0.192	96	75-125	2.6	20
Cobalt	0.5	0.471	0.467	0.469	94	75-125	0.9	20
Copper	0.25	0.281	0.269	0.275	110	75-125	4.4	20
Iron	1.0	1.01	1.00	1.01	101	75-125	1.0	20
Lead	0.5	0.472	0.475	0.473	95	75-125	0.7	20
Magnesium	50	51.1	50.6	50.8	102	75-125	1.0	20
Manganese	0.5	0.489	0.477	0.483	97	75-125	2.5	20
Nickel	0.5	0.483	0.478	0.480	96	75-125	1.1	20
Potassium	50	52.5	51.9	52.2	104	75-125	1.2	20
Silver	0.05	0.0488	0.0477	0.0483	97	75-125	2.2	20
Sodium	100	110	109	109	109	75-125	1.6	20
Vanadium	0.5	0.495	0.497	0.496	99	75-125	0.4	20
Zinc	0.5	0.496	0.489	0.492	98	75-125	1.6	20
Category: AS-FAA-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L								
Arsenic	0.03	0.0329	0.0348	0.0338	113	75-125	5.6	20
Category: PB-FAA-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L								
Lead	0.03	0.0349	0.0313	0.0331	110	75-125	11	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: HG-CVAA-AT Matrix: AQUEOUS QC Lot: 13 SEP 92-1A Concentration Units: mg/L								
Mercury	0.0010	0.000967	0.00100	0.000983	98	75-125	3.4	20
Category: AS-FAA-S Matrix: SOIL QC Lot: 11 SEP 92-1A Concentration Units: mg/kg								
Arsenic	145	102	104	103	71	59-141	1.0	20
Category: ICP-S Matrix: SOIL QC Lot: 14 SEP 92-1R Concentration Units: mg/kg								
Aluminum	10700	6840	7480	7160	67	47-153	8.8	20
Antimony	55.2	54.8	57.4	56.1	102	18-362	4.6	50
Arsenic	145	128	135	131	91	59-141	4.9	20
Barium	503	435	459	447	89	76-124	5.5	20
Beryllium	129	118	124	121	94	53-131	4.9	20
Cadmium	154	140	147	144	93	68-132	4.6	20
Calcium	7390	6600	6960	6780	92	79-121	5.4	20
Chromium	151	127	136	132	87	66-133	6.9	20
Cobalt	122	110	116	113	93	70-130	5.4	20
Copper	162	156	165	161	99	70-132	5.4	20
Iron	15400	12400	13400	12900	84	66-134	7.2	20
Lead	148	129	139	134	90	66-135	6.9	20
Magnesium	3740	3250	3480	3360	90	74-126	7.0	20
Manganese	423	376	397	387	91	74-125	5.5	20
Molybdenum	159	145	152	148	93	71-129	5.1	20
Nickel	166	154	162	158	95	67-133	5.1	20
Potassium	4050	3530	3770	3650	90	68-132	6.6	20
Silver	104	98.2	106	102	98	76-124	7.6	20
Sodium	747	717	766	741	99	57-130	6.6	20
Vanadium	154	135	142	138	90	73-127	5.2	20
Zinc	530	478	504	491	93	65-135	5.3	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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A Corning Company

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PB-FAA-S Matrix: SOIL QC Lot: 14 SEP 92-1R Concentration Units: mg/kg								
Lead	150	132	148	140	93	50-150	11	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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A Corning Company

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Barium	ND	mg/L	0.010
Cadmium	0.0099	mg/L	0.0050
Chromium	ND	mg/L	0.010
Test: AS-FAA-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Arsenic	ND	mg/L	0.0050
Test: PB-FAA-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Lead	ND	mg/L	0.0050
Test: HG-CVAA-AT			
Matrix: AQUEOUS			
QC Lot: 13 SEP 92-1A QC Run: 13 SEP 92-1A			
Mercury	ND	mg/L	0.00020
Test: AS-FAA-W			
Matrix: WASTE			
QC Lot: 11 SEP 92-1A QC Run: 11 SEP 92-1A			
Arsenic	ND	mg/kg	0.50
Test: ICP-W			
Matrix: WASTE			
QC Lot: 14 SEP 92-1R QC Run: 14 SEP 92-1R			
Cadmium	ND	mg/kg	0.50
Chromium	ND	mg/kg	1.0

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METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: PB-FAA-W Matrix: WASTE QC Lot: 14 SEP 92-1R QC Run: 14 SEP 92-1R			
Lead	ND	mg/kg	0.50

Enseco
A Corning Company

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	PH-A	19 AUG 92-1G	-
024601-0001-SA	AQUEOUS	TDS-A	25 AUG 92-1A	25 AUG 92-1A
024601-0001-SA	AQUEOUS	TOX-A	10 SEP 92-1A	-
024601-0002-SA	SOIL	TOX-S	15 SEP 92-1A	-

Enseco
A Corning Company

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PH-A Matrix: AQUEOUS QC Lot: 19 AUG 92-1G Concentration Units: units								
pH	9.1	9.04	9.05	9.04	99	98-102	0.1	5
Category: TDS-A Matrix: AQUEOUS QC Lot: 25 AUG 92-1A Concentration Units: mg/L								
Total Dissolved Solids	1170	1150	1130	1140	97	90-110	1.8	10
Category: TOX-A Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: ug Cl/L								
Total Organic Halogen as Cl	100	90.0	90.6	90.3	90	80-120	0.7	20
Category: TOX-S Matrix: SOIL QC Lot: 15 SEP 92-1A Concentration Units: mg/kg								
Total Organic Halogen as Cl	1.0	0.955	1.05	1.00	100	75-125	9.5	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco
A Corning Company

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TDS-BAL-A			
Matrix: AQUEOUS			
QC Lot: 25 AUG 92-1A QC Run: 25 AUG 92-1A			
Total Dissolved Solids	ND	mg/L	10.0

Appendix

Enseco
A Corning Company

Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
303/421-6611 FAX: 303/431-7171

CHAIN OF CUSTODY

ENSECO CLIENT	PACKED BY	SEAL NUMBER
PROJECT	SEAL INTACT UPON RECEIPT BY SAMPLING COMPANY	CONDITION OF CONTENTS
SAMPLING COMPANY	SEALED FOR SHIPPING BY	INITIAL CONTENTS TEMP. °C
SAMPLING SITE	SEAL NUMBER	SAMPLING STATUS ☐ Done ☐ Continuing Until
TEAM LEADER	SEAL INTACT UPON RECEIPT BY LAB. ☐ Yes ☐ No	CONTENTS TEMPERATURE UPON RECEIPT BY LAB. JM °C

SAMPLE SAFE™ CONDITIONS

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	# CONTAINERS	ANALYSIS PARAMETERS	REMARKS
8-18-92	12:49	CEDAR HILL CDP WASTE WATER TANK	LIQUID AQUEOUS	1	PH / TDS	01
8-18-92	12:50	" "	LIQUID AQUEOUS	1	PH / TDS	02
8-18-92	12:45	" "	LIQUID ~~METALS~~	4T	METALS	01 01
8-18-92	12:47	" "	LIQUID ~~METALS~~	4T	METALS	02
8-18-92	12:40	" "	LIQUID	15	TOX -- SINGLE	01
8-18-92	12:40	" "	LIQUID	15	TOX -- SINGLE	02
8-18-92	11:30	WASTE OIL TANK CEDAR HILL	USED OIL			
8-18-92	11:45	WASTE OIL TANK CEDAR HILL	USED OIL			02
8-18-92	11:50	WASTE OIL TANK CEDAR HILL	USED OIL			
8-18-92	12:00	WASTE OIL TANK CEDAR HILL	USED OIL			

CUSTODY TRANSFERS PRIOR TO SHIPPING

RELINQUISHED BY (SIGNED)	RECEIVED BY (SIGNED)	DATE	TIME
Vern Rothhaupt	Frank Gallegos	8/18/92	2:07

SHIPPING DETAILS

DELIVERED TO SHIPPER BY

METHOD OF SHIPMENT | AIRBILL NUMBER

RECEIVED FOR LAB: RMR | SIGNED | DATE/TIME: 0845 8/19/92

ENSECO PROJECT NUMBER: 24601

ENS—1133

White – CLIENT Pink – LAB

Enseco
A Corning Company

Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
303/421-6611 FAX: 303/431-7171

CHAIN OF CUSTODY

ENSECO CLIENT	PACKED BY	SEAL NUMBER
PROJECT	SEAL INTACT UPON RECEIPT BY SAMPLING COMPANY	CONDITION OF CONTENTS
SAMPLING COMPANY	SEALED FOR SHIPPING BY	INITIAL CONTENTS TEMP. °C
SAMPLING SITE	SEAL NUMBER	SAMPLING STATUS ☐ Done ☐ Continuing Until
TEAM LEADER	SEAL INTACT UPON RECEIPT BY LAB. ☐ Yes ☐ No	CONTENTS TEMPERATURE UPON RECEIPT BY LAB. °C

SAMPLE SAFE™ CONDITIONS

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	# CONTAINERS	ANALYSIS PARAMETERS	REMARKS
8-18-92	12:51	CEDAR HILL COP WASTE WATER	LIQUIDS AQUEOUS	11	VOA	> 01
8-18-92	12:53	11 11	LIQUIDS AQUEOUS	11	VOA	
8-18-92	12:55	11 11	LIQUIDS AQUEOUS	11	VOA	

CUSTODY TRANSFERS PRIOR TO SHIPPING

RELINQUISHED BY (SIGNED)	RECEIVED BY (SIGNED)	DATE	TIME

SHIPPING DETAILS

DELIVERED TO SHIPPER BY

METHOD OF SHIPMENT | AIRBILL NUMBER

RECEIVED FOR LAB: PHIL | SIGNED: [signature] | DATE/TIME: 8/19/92 0845

ENSECO PROJECT NUMBER: 24601

ENS—1133

White - CLIENT Pink - LAB

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-208) - WILLIAMS Field Services, Ms. Leigh Gooding, 801-584-6543, P.O. BOX 58900, M.S. 2G1,Salt Lake City, Utah, 84158-0900 has submitted a Discharge plan application for their Hart Mountain Compressor facility located in the SE/4 NE/4, Section 27, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. The total waste water discharge will be about 138 gallons/day, this water will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 2,000 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of June, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY, Director

SEAL NO EFFECT FINDING
The described action will have no effect on listed species, wetlands, or other important wildlife resources.
Date July 10, 1995
Consultation # GW95OCD1
Approved by
U.S. FISH and WILDLIFE SERVICE
NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE
ALBUQUERQUE, NEW MEXICO

OIL CONSERVATION DIVISION

July 20, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-720

Ms. Leigh E. Gooding
Williams Field Services
P.O. Box 58900, M.S. 2G1
Salt Lake City, Utah 84158-0900

RE: Discharge Plan GW-208
Hart Mountain Compressor Station
San Juan County, New Mexico

Dear Ms. Gooding:

The NMOCD has received the proposed Hart Mountain Compressor Station discharge plan application for the facility located in SE/4 NE/4, Section 27, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. The application filing fee in the amount of $50 was received by the NMOCD along with the discharge plan application. The NMOCD has prepared and sent out the public notice for the Hart Mountain Compressor Station facility as stated in WQCC section 3-108. NMOCD has conducted a preliminary review of the proposed discharge plan as received from Williams Field Services on June 20, 1995.

The following comments and request for additional information are based on the review of the Williams Field Services Compressor Station application. **Please note that unless otherwise stated, Williams Field Service response to all comments shall be received and reviewed by the OCD prior to approval of the discharge plan application.**

I. Under 2.1 Process Fluids

A. What were the results of previous tests conducted on similar waste streams? Provide the OCD with a copy of these analytical results for the GW-208 file.

B. WQCC 1-101.44 needs to be changed to WQCC 1-101.ZZ.

II. Under 2.2 Spill/Leak.....

A. Williams Field Services should consider the elimination of the word HAZARDOUS WASTE and simply use WASTE as it is unknown that wastes generated at this facility are hazardous-in fact most wastes are exempt.

B. Williams Field Services needs to make certain that exempt and non-exempt waste streams are not commingled if the waste is to be disposed of down a class II injection well. Also, non-exempt streams need to be characterized for hazardous constituents.

C. Include a diagram showing equipment layout and waste streams generated at the proposed facility. This will be included as Figure 4. "Site Layout".

III. Under 2.3 Disposal of Waste Fluids

A. Upon disposal of the fluid waste streams-make certain that non-exempt streams have been characterized for hazardous constituents.

B. Provide a more detailed description of the proposed below grade tank shown in Figure 3 - include installation/construction procedure as well as engineering design parameters - such as strength of the material/shell and material compatibility to the fluids and temperature range the tank will be exposed.

C. Clarify the fluid transfer and transportation method - Per our phone conversation on June 22, 1995 Ms. Gooding stated that the subpump would not be installed as stated in the WFS submittal dated June 13, 1995.

Submittal of the requested information and commitments in a timely fashion will expedite the final review of the application and approval of the discharge plan.

If you have any questions, please feel free to call me at (505)-827-7156.

Sincerely,

Patricio W. Sanchez
Petroleum Engineer

xc: Mr. Denny Foust - Environmental Representative District III

STATE OF NEW MEXICO
County of Bernalillo SS

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being of the 28th day of June, 1995, and the subsequent consecutive publications on _____, 1995

Bill Tafoya

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 28th day of June 1995

PRICE $30.09
Statement to come at end of month.

OFFICIAL SEAL
Megan Garcia
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 5-20-98

Megan Garcia

CLA-22-A (R-1/93) ACCOUNT NUMBER C80932

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-208)- WILLIAMS Field Services, Ms. Leigh Gooding, 801-584-6543, P.O. BOX 58900, M.S. 2G1, Salt Lake City, Utah, 84158-0900 has submitted a Discharg plan application for their Hart Mountain Compressor facility located in the SE/4 NE/4, Section 27, Township 31 NOrth, Range 10 West, NMPM, San Juan County, New Mexico. The total waste water discharge will be about 138 gallons/day, this water will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 2,000 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil ConservationDivision and may submit written comments to the Director of the Oil Conservation Division at the address given above.The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearingis held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disaprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of June, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/WILLIAM J. LEMAY, Director

Journal: June 28, 1995

AFFIDAVIT OF PUBLICATION

No. 34978

STATE OF NEW MEXICO
County of San Juan:

ROBERT LOVETT being duly sworn says: That he is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Wednesday, June 28, 1995

and the cost of publication was: $58.35

On ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

My Commission Expires March 21, 1998

COPY OF PUBLICATION

Legals

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

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of June, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

/s/ William J. LeMay
WILLIAM J. LEMAY, Director

Legal No. 34978 published in The Daily Times, Farmington, New Mexico, Wednesday, June 28, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

[X] Telephone [ ] Personal | Time 8:00 AM | Date 6-22-95

Originating Party	Other Parties
L. Gooding - WFS	Pat Sanchez - NMOCD

Place: WFS - GW-208 "Hart Mountain" C.S.

Discussion: Leigh Gooding called back regarding below grade Fiber glass tank at proposed GW-208 site. She discussed with engineering and "they" told her it was more "economic" for this Fiber-glass tank to be installed because below grade holes would corrode and fill with water and short out their heat trace. They will give her material spec's so she can include them in the discharge plan.

Conclusions or Agreements: Leigh will send more detailed spec's regarding the proposed below grade tank at GW-208.

Distribution

Signed Patricia W. Sanchez
6/22/95

NOTICE OF PUBLICATION

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

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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

P.O. Box 58900
Salt Lake City, UT 84158-0900
(801) 584-7033
FAX: (801) 584-6483

June 13, 1995

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87504

Re: Discharge Plan for Hart Mountian Booster Compressor Station - San Juan County

Dear Mr. Anderson:

Enclosed please find two copies of the Discharge Plan for Williams Field Services' Hart Mountain Booster Compressor Station located in San Juan County, New Mexico. Also enclosed, please find a check for $50.00, payable to the New Mexico Water Quality Management Fund, to cover the application fee for the above referenced project.

If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543.

Sincerely,

Leigh E. Gooding

Leigh E. Gooding, P.G.
Environmental Specialist

enclosure

cc: Denny Foust, OCD District III Office (letter and enclosure)

RECEIVED

JUN 2 0 1995

Environmental Bureau
Oil Conservation Division

DISCHARGE PLAN

MANZANARES GATHERING SYSTEM
HART MOUNTAIN BOOSTER COMPRESSOR STATION

Williams Field Services Company

June 1995

1.0 GENERAL INFORMATION

1.1 Legally Responsible Party

Williams Field Services
P.O. Box 58900, M.S. 2G1
Salt Lake City, Utah 84158-0900
(801) 584-6543

Contact Person

Ms. Leigh E. Gooding, Environmental Specialist
Phone and Address, Same as Above

1.2 Location of Discharge

The Hart Mountain Booster Compressor Station will be located in the SE/4 NE/4 of Section 27, Township 31 North, Range 10 West, San Juan County, New Mexico. A Site Location map is attached (USGS 7.5 Min. Quadrangle: Turley, New Mexico) as Figure 1. The cleared site for this Compressor Station is 0.24 acre. The site boundary survey is provided in Figure 2.

1.3 Type of Natural Gas Operation

The Hart Mountain Booster Compressor Station will provide metering and compression services for Trunk C for coal seam methane gas (Fruitland Coal Formation) for ultimate delivery through the Milagro Plant (CO_2 removal) near Bloomfield, New Mexico.

Two (2) Waukesha 7042GL lean-combustion natural gas fired reciprocating engines are currently planned for this site. Both units are skid-mounted and self contained.

This facility is classified as a field compressor station. Consequently there will be no formal office or other support facilities not essential to field compression.

1.4 Affirmation

I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief.

Signature

June 12, 1995
Date

Terry G. Spradlin

Manager, Environmental, Health & Safety

2.0 GENERAL PROCESSES

2.1 Process Fluids

Table 1 lists the sources and planned disposition of liquid waste process and fluids with approximations of the quantity and type. Material Safety Data Sheets for glycol and oil used in the equipment were previously provided to New Mexico Oil Conservation Division (OCD) by Williams Field Services (WFS). For reference, representative samples of washdown wastewater and used motor oil have previously been collected at a typical WFS compressor station and analyzed for the parameters listed below.

Sample	Parameters
Washdown Wastewater	TDS, pH, BTEX, As, Ba, Cd, Cr, Pb, Hg, TOX.
Used Motor Oil	As, Cd, Cr, Pb, TOX, Flash Point

Analytical results found that washdown water did not exhibit any of the hazardous characteristics and used oil was suitable for recycling. Additional Chemicals listed in WQCC 1-101.44 and 3-103 are not expected to be present in any process fluids or in the conventional gas transported at the Hart Mountain Booster Compressor Station.

2.2 Spill/Leak Prevention and Housekeeping Procedures

Production Operators, Incorporated (POI) will be contracted to operate and maintain the facility. The facility will be inspected several times per week at a minimum and a POI operator will be on call 24 hours per day, 7 days per week, 52 weeks per year. The facility will be remotely monitored for equipment malfunctions. Production Operators must comply with WFS's spill response procedures. In the event of a release of a reportable quantity, POI will immediately notify WFS's Environmental Services Department and WFS will report the release to OCD. WFS will comply with all applicable spill reporting and recordkeeping requirements of federal, state and local laws and regulations pertaining to hazardous substances, hazardous wastes and oil.

Environmental Protection will be a contractual obligation as follows:

POLLUTION/HAZARDOUS WASTE. POI shall take all necessary precautions to control pollution of any kind resulting from POI's operation of the compression equipment. At POI's sole cost, all hazardous substances, wastes and oil will be managed to prevent contamination of property and associated surface and groundwater resources.

POI shall be responsible for all costs related to the cleanup and disposal of contaminated material as well as personal or property damage resulting from such contamination on said property. Hazardous wastes will be properly stored and disposed of in accordance with applicable state and federal laws and regulations.

TABLE 1

Sources and Disposition of
Process Fluids

Source	Disposition	Quantity	Quality Type	Additives
Compressor Engines	Collected Separately in Tank	125 gal each quarter	Used Motor Oil	None
Gas Inlet Separator	Collected Separately in Blowdown Tank	Variable, available for upsets	High TDS Water	None
Washdown water	Collected Separately in Tank	Intermittent	Rainwater, Tapwater with Traces of Used Motor Oil & TEG	Soap
Lube Oil	Compressor Engines		Motor Oil	None

For overflow containment, tanks on saddle racks are underlain by concrete splash aprons equipped with retainment curbs. Fluids which collect within the curbed area drain through a pipe into a closed containment system. A drip pan will be placed beneath the catwalk adjacent to the oil filter on each compressor unit to contain spillage during maintenance activities.

Spill containment dikes around the bulk storage tanks will contain 1 1/3 volume of the largest vessel. Spill containment is also provided around the tank loading valves. Surface runoff within the site will drain by sheet flow to the east.

WFS corporate policy and procedure for the controlling and reporting of Discharges or Spills of Oil or Hazardous Substances is provided in Appendix A. Significant spills and leaks will be reported to the OCD pursuant to Rule 116 using the OCD form and WQCC 1-203 Notification of Discharge (see Appendix B).

All pressure vessels on site will be tested in accordance with the requirement of the ASME Boiler and Pressure Vessel Code. All interconnecting gas piping on site will be tested in accordance with the requirements of the ASME Code for Pressure Piping, B31.8 Gas Transmission and Distribution Piping Systems.

2.3 Disposal of Waste Fluids

The disposition of waste fluids is described in Table 1 of Section 2.1.

Used motor oil is collected in a closed-piping system from each individual unit to a common above-ground collection tank and trucked from the site by an EPA-registered used oil marketer or recycler.

Washdown wastewater from engine deck plates is collected in a closed piping system directly to a below-grade wastewater sump and disposed of at a commercial facility authorized by the OCD. The sump will be constructed in accordance with OCD Guidelines for the Selection and Installation of Below-Grade Produced Water Tanks (revised 10/91).

Waste water will gravity-drain from concrete containment skids below compressor units and lube oil day tanks to the sump. The sump will consist of a six foot diameter, 740-gallon fiberglass tank set within an eight foot diameter fiberglass tank. A submersible pump equipped with a float control will be placed in the inner tank through a thirty-inch well. Any waste water accumulations will be pumped from the inner tank to an above-ground holding tank. An eight-inch inspection port will be installed within the outer tank for visual inspection. A schematic drawing of the sump is attached as Figure 3. Based on volumes recorded at similar WFS facilities, approximately 100 barrels of wastewater is expected to be hauled off site each month.

Porta-pottys present at this facility will be serviced under a contract requiring proper sewage disposal in accordance with applicable laws and regulations.

3.0 Site Characteristics

A. Hydrologic Features

The Hart Mountain Booster Compressor Station is located in the SE/4 NE/4 of Section 27, Township 31 North, Range 10 West, San Juan County, approximately 4.6 miles south-southeast of Cedar Hill, New Mexico. The graded site elevation is approximately 6,200 feet above mean sea level. The undeveloped site is covered by sagebrush, crested wheat grass, and native grasses. The site is underlain by quaternary alluvium which has been deposited over the sandstones and shales of the San Jose Formation.

The site is located approximately 4,500 feet northwest of Bootlegger Spring. The spring is located at an elevation of approximately 6,400 feet. A review of the available hydrologic data[1] for this area revealed that the closest documented source of ground water downgradient of the subject site is the alluvial deposits of an unnamed drainage channel located 100 feet south of the subject site at an elevation of approximately 6,180 feet. Ground water within these alluvial deposits flows south toward the San Juan River and is expected to have a total dissolved solids (TDS) concentration of approximately 2,000 mg/l.

The nearest identified ground water wells are domestic wells owned by R.C. Crawford, Art D'Anca, and Jerry Stalcup. All three wells are located in the SE 1/4 of Section 27, Township 31 North, Range 10 West at an approximate elevation of 6,250 feet. The depth to water in these wells ranges from 100 to 195 feet. Based on the elevation and depths of the wells, the expected depth to groundwater at the subject site is approximately 50 feet below ground surface.

B. Flood Protection

After final excavation and grading are complete, surface water runoff from the area surrounding the site will be diverted around the site into the natural drainage path.

---

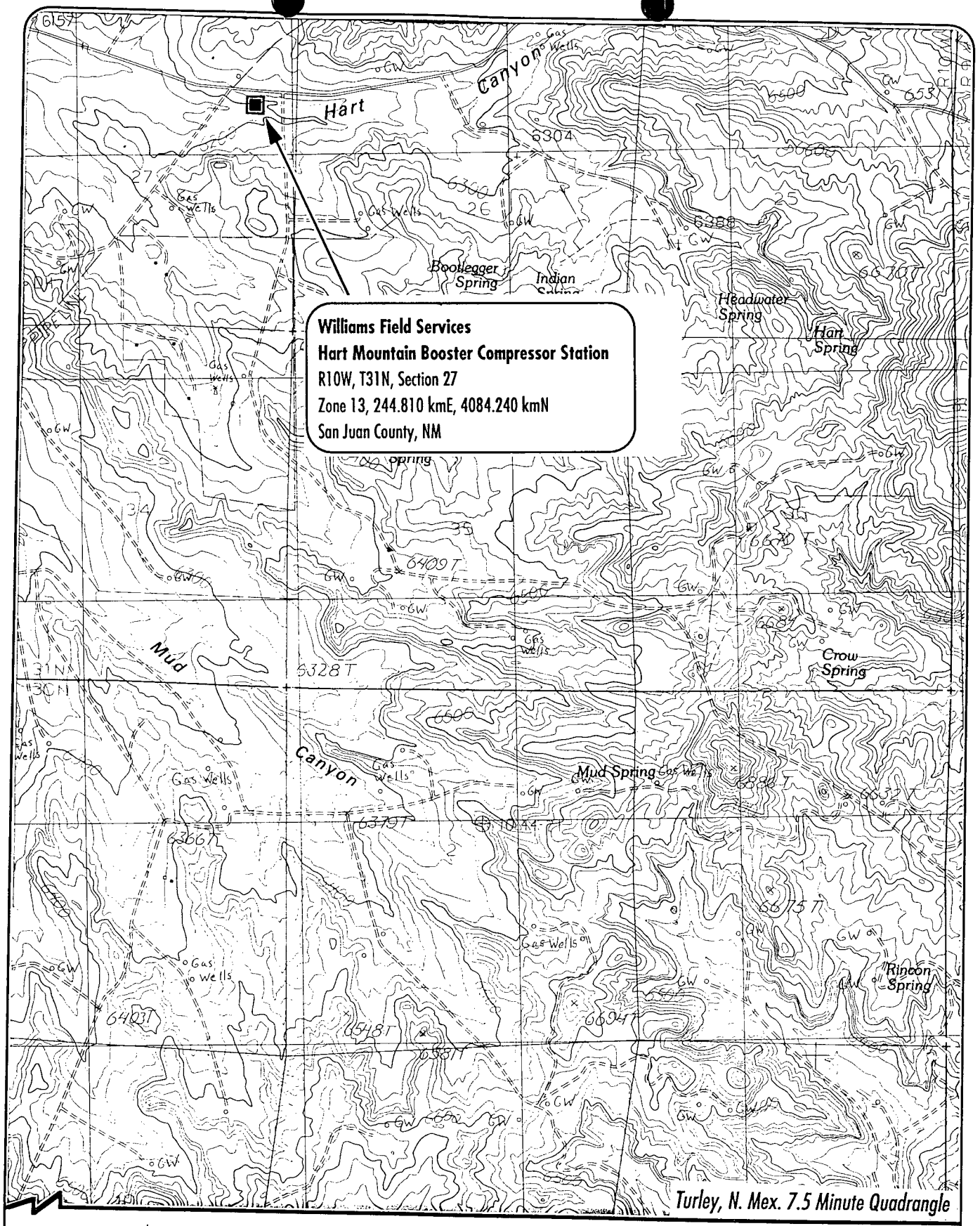
[1] Klausing, R.L. and G.E. Welder, "Availability of Hydrologic Data in San Juan County, New Mexico:, U.S.G.S. Open-File Report 84-608, 1984.

Lyford, F.P., "Ground Water in the San Juan Basin, New Mexico and Colorado", U.S.G.S. Water-Resource Investigations 79-73, May, 1979.

Stone, W.J., F.P. Lyford, P.F. Frenzel, N.H. Mizel, E.P. Padgett, "Hydrogeology and Water Resources of San Juan Basin, New Mexico", Hydrologic Report 6, New Mexico Bureau of Mines & Mineral Resources, 1983.

FIGURE 1

SITE LOCATION MAP



Scale: 1 in = 2000 ft = 0.610 km
1:24,000

N

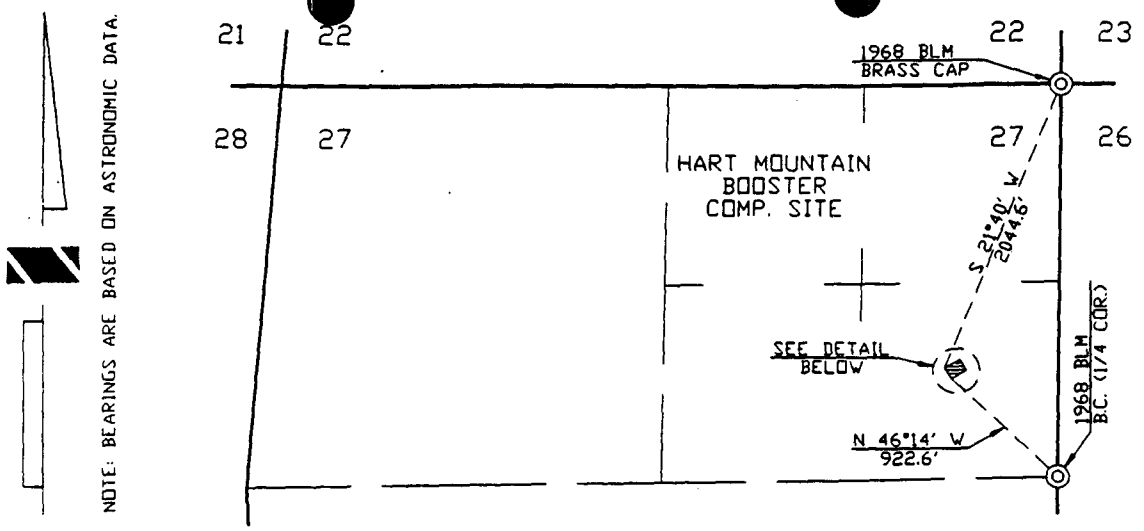
1 mile

Location of Facility

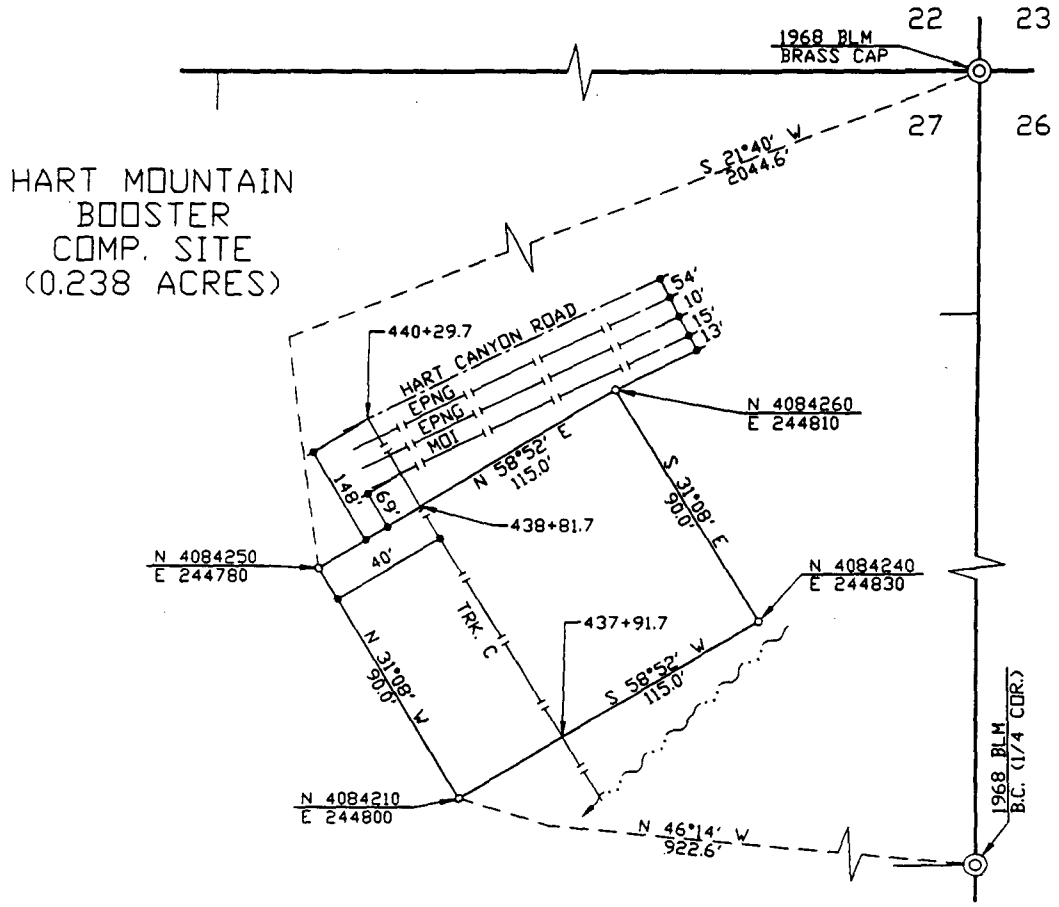
Environmental Services Inc • 4665 Indian School NE • Suite 106 • Albuquerque NM 87110 • 505 266 6611

FIGURE 2

SITE SURVEY PLOT PLAN



PLAN VIEW



DETAIL
SCALE: 1"=50'

NOTE
1. 1/2" REBAR @ CORNERS OF SITE.
2. ALL COORDINATES AS SHOWN ARE UTM COORDINATES. NAD 27 ZONE 13, IN METERS. ELEV. 6200' USGS.
3. ACCESS CORRIDOR IS 148' LONG.

NO	DATE	BY	REVISION	APP
2	5/3/95	CJF	REVISED PER CORNER TIES	MH
1	4/25/95	CJF	ISSUED FOR REVIEW	MH

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

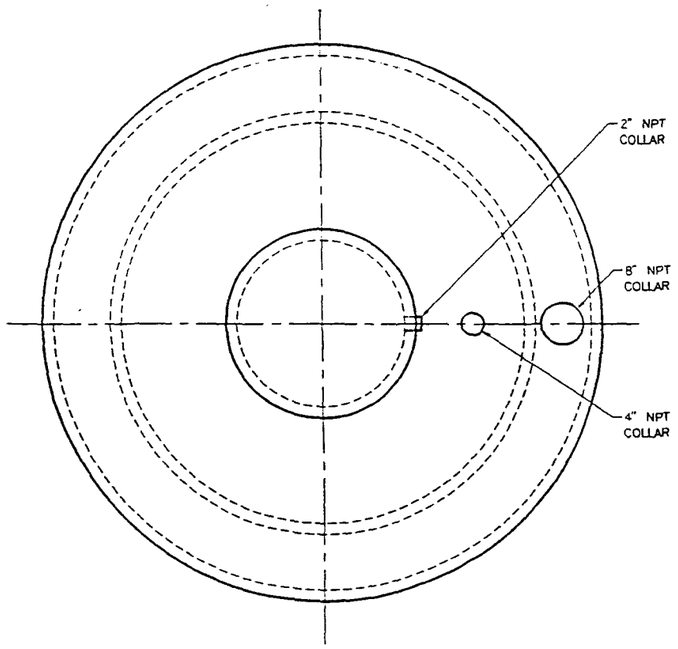
MANZANARES GATHERING SYSTEM
HART MOUNTAIN BOOSTER COMP. SITE
SEC. 27, T-31-N, R-10-W
SAN JUAN COUNTY, NEW MEXICO

R/W NO:		SURVEYED: 4/20/95	REF. DWG:	SCALE: 1"=1000'	DATE: 4/25/95	APPROVED BY: MH	REV.
W.O. NO:		MILE POST:	OWNER: BLM	DRAWN BY: CJF	CHECKED BY: FAD	DWG. NO: 798.12-X-15	1

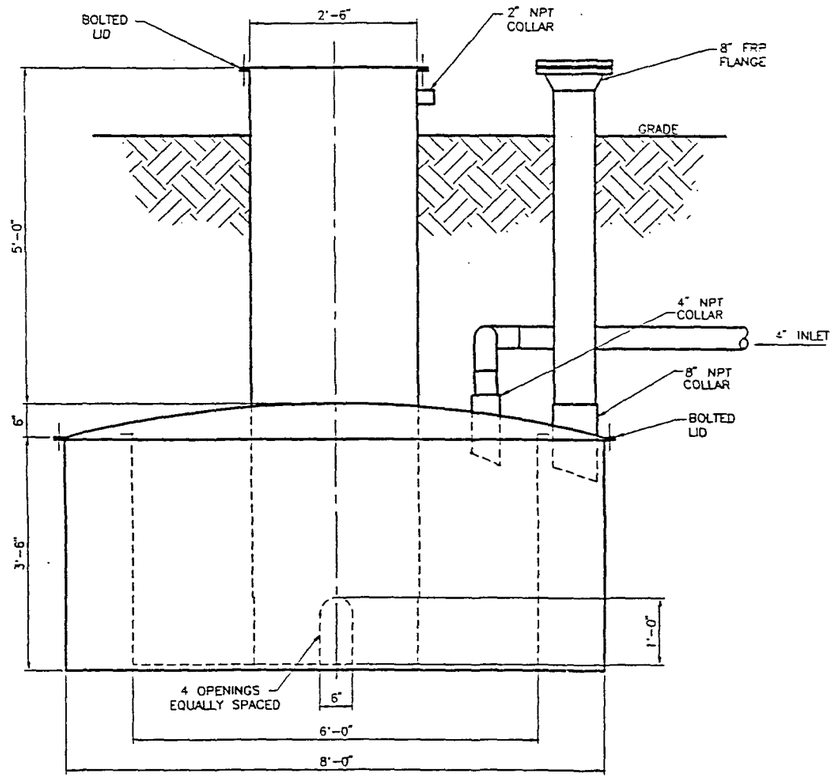
F1415 (11/94)

FIGURE 3

BELOW-GRADE WASTEWATER SUMP



WASTE WATER SUMP
PLAN VIEW



WASTE WATER SUMP
ELEVATION

PRELIMINARY

LEGEND	REFERENCE DRAWINGS			REVISIONS																
	DRAWING NO.	TITLE	DRAWING NO.	TITLE	NO.	DATE	BY	DESCRIPTION	V.O.NO.	CHK	APP.	NO.	DATE	BY	DESCRIPTION	V.O.NO.	CHK	APP.		

DRAFTING	BY	DATE
DRAWN	RJB	03/03/95
CHECKED		
APPROVED		
ENGINEERING	BY	DATE
PROJ. APPROVED		

WILLIAMS GAS PROCESSING
ONE OF THE WILLIAMS COMPANIES

GATHERING SYSTEM STANDARD
FIBERGLASS WATER SUMP

SCALE: 1"=1'
V.O. NO. 11907

DWG. NO. STD-D-1-4042

REV.

APPENDIX A

SPILL CONTROL PROCEDURES

WILLIAMS FIELD SERVICES COMPANY
ONE OF THE WILLIAMS COMPANIES

OPERATIONS

Manual	Department	
O & M Procedure		
Section	Tab	Document No.
Safety/General	10	21.10.020
Effective Date	Issue No.	Page No.
JUN 16 1993	1	1 of 6

Subject of Title

DISCHARGES OR SPILLS OF OIL OR HAZARDOUS SUBSTANCES; Preventing, Controlling and Reporting of

A. PURPOSE AND SCOPE

A.1 To establish the policy and procedure for preventing, controlling, and reporting of spills or discharges of oil or hazardous substances to the environment in accordance with Company practices and federal, state, and local requirements, including Title 40 of the Code of Federal Regulations - Part 112 (Oil Pollution Prevention).

A.2 This document pertains to Company personnel and Company and non-company facilities. The spill prevention and control requirements in this Policy and Procedure are Federally mandated guidelines for oil pollution prevention. The Company policy is to also apply these standards, where appropriate, to facilities containing hazardous substances. This is a discretionary applicaton of the standards; however, variations from the standards should be approved by the responsible Director.

B. CONTENTS

C. POLICY

C.1 GENERAL

C.1.1 All Company facilities which could discharge or spill oil or hazardous substances which may affect natural resources or present an imminent and substantial danger to the public health or welfare including, but not limited to fish, shellfish, wildlife, shorelines, and beaches are subject to the provisions of this document.

C.1.2 Hazardous Substance, for purposes of this procedure, is defined as any chemical or material that has or should have a Material Safety Data Sheet (MSDS); however, hazardous substances are further defined by the following environmental statutes:

a. Section 101 (N) and Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

b. Section 307(a) and Section 311 (b)(2)(A) of the Clean Water Act

c. Section 3001 of the Solid Waste Act (excluding items suspended by Congress)

d. Section 112 of the Clean Air Act

e. Section 7 of the Toxic Substance Control Act

Supersedes Policy and Procedure 12.10.020 dated July 7, 1989.

Approval (Page 1 Only)	Approval (Page 1 Only)	Approval (Page 1 Only)
	6/14/93	

FORM 1711 (1/92)

C.1.3 The term hazardous substance does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance in the first sentence of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

C.1.4 Oil, for the purpose of this document, means oil of any kind or in any form, including but not limited to petroleum, fuel oil, Y grade, mixed products, sludge, oil refuse, and oil mixed with wastes other than dredged spoil (earth and rock). LPG (propane, butane, ethane) are not considered to be oil.

C.1.5 Facilities which could discharge or spill oil or hazardous substances into a watercourse must comply with the required federal, state, or local laws and regulations. A discharge includes but is not limited to any spilling, leaking, pumping, pouring, emitting, emptying, or dumping. A watercourse is any perennial or intermittent river, stream, gully, wash, lake, or standing body of water capable of collecting or transporting an oil or hazardous substance.

C.1.6 Facilities which are subject to the requirements stated in this policy are as follows:

a. <u>Non-Transportation Related Facilities</u>

(1) Storage or drip tanks and other aboveground containers (excluding pressurized or inline process vessels) having a capacity in excess of 660 gallons for each single container or an aggregate capacity of 1,321 gallons or more for multiple containers.

(2) Underground storage facilities having a total capacity in excess of 42,000 gallons.

b. <u>Transportation Related Facilities</u>

(1) All vehicles, pipeline facilities, loading/unloading facilities, and other mobile facilities which transport oil or hazardous substances.

C.1.7 Each Company location which has facilities subject to paragraph C.1.1 shall have a site specific Spill Prevention Control and Countermeasure Plan (SPCC Plan) which identifies all facilities subject to 40 CFR 112. The plan shall identify all hazardous substance storage vessels at the facility and the spill prevention measures in place to control discharges or spills. This plan shall also identify all regulatory agencys that must be notified in case of a spill.

C.1.8 The facility supervisor is responsible for spill prevention. His/her duties include, but are not limited to, the following:

a. Instructing personnel in the operation and maintenance of equipment to prevent the discharge of oil.
b. Conduct briefings for operating personnel at intervals frequent enough to assure adequate understanding of the Spill Plan at that facility.
c. Briefings should highlight and describe known discharges or spills, and recently developed precautionary measures.

C.1.9 Each individual facility is checked by the supervisor or designee to determine the potential for discharges or spills of oil or hazardous substances in harmful quantities that violate water quality standards or which may cause a film, sheen, or discoloration on the surface of water. All facilities which have the potential for discharging or spilling harmful quantities of oil or hazardous substances into a watercourse are required to have the following preventive measures:

a. Examination of all tanks, valves and fittings, at least annually, to determine any maintenance requirements.

b. All tank batteries should, as far as practicable, have a secondary means of containment for the entire contents of the largest single tank plus sufficient freeboard in the containment facility to allow for precipitation.
c. A annual monitoring and inspection program to prevent accidental spills or discharges into watercourses. This includes annual inspection for faulty systems and monitoring line valves and liquid pipelines for leaks or blowouts.

C.1.10 Any field drainage ditches, road ditches, traps, sumps, or skimmers should be inspected at annual scheduled intervals for accumulation of liquid hydrocarbons or other hazardous substances which may have escaped from small leaks. Any such accumulations should be removed.

C.2 BULK STORAGE TANKS

C.2.1 A tank should not be used for storage of oil or hazardous substances unless the material and construction of the tank is compatible with the material stored and conditions of storage such as pressure and temperature. Buried storage tanks must be protected from corrosion by coatings, cathodic protection, or other methods compatible with local soil conditions. Aboveground tanks should be subject to visual inspection for system integrity.

C.2.2 The facility supervisor should evaluate level monitoring requirements to prevent tank overflow.

C.2.3 Leaks which result in loss of oil or hazardous substances from tank seams, gaskets, rivets and bolts sufficiently large to cause accumulation of oil or hazardous substances in diked areas should be promptly corrected.

C.2.4 Mobile or portable oil or hazardous substances storage tanks should be positioned or located to prevent the contents from reaching a watercourse. The mobile facilities should be located so their support structure will not be undermined by periodic flooding or washout.

C.3 FACILITY DRAINAGE

C.3.1 Make provisions for drainage from diked storage areas where necessary in areas with high precipitation levels. Drainage from dike areas should be restrained by valves or other means to prevent a discharge or spill. Diked areas should be emptied by pumps or ejectors which are manually activated. Valves used for the drainage of diked areas should be of manual, open-and-closed design.

C.3.2 Rain water may be drained from diked areas providing drainage water does not contain oil or hazardous substances that may cause a harmful discharge. Drain valves must be closed following drainage of diked areas.

C.3.3 When possible, drainage systems from undiked areas should flow into ponds, lagoons, or catchment basins designed to retain oil or hazardous substances or return the substances to the facility. Any drainage system which is not designed to allow flow into ponds, lagoons, or catchment basins should be equipped with a diversion system that could, in the event of a discharge or spill, contain the oil or hazardous substances on the Site.

C.3.4 The principal means of containing discharges or spills is the use of dikes which are constructed wherever regulated quantities of oil or hazardous substances have the potential of reaching a watercourse. The construction of dikes must meet the following requirements:

a. Capacity must be at least equivalent to the storage capacity of the largest tank of the battery plus sufficient freeboard to allow for pecipitation, or displacement by foreign materials.
b. Small dikes for temporary containment are constructed at valves where potential leaking of oil or hazardous substances may occur.

c. Any dike three feet or higher should have a minimum cross section of two feet at the top.

C.3.5 Other means of containment or spill control include, but are not limited to:

a. Berms or retaining walls;
b. Curbing;
c. Culverting, gutters, or other drainage systems;
d. Weirs, booms, or other barriers;
e. Spill diversion ponds or retention ponds;
f. Sorbent materials

C.4 TRANSFER OPERATIONS, PUMPING, AND IN-PLANT/STATION PROCESS

C.4.1 Aboveground valves and pipelines should be examined annually by operating personnel to determine whether there are any leaks from flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, valve locks, and metal surfaces.

C.5 FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK

C.5.1 Rack area drainage which does not flow into a catchment basin or treatment facility designed to handle spills should have a quick drainage system for use in tank truck loading and unloading areas. The containment system should have a maximum capacity of any single compartment of a truck loaded or unloaded in the station.

C.5.2 Aboveground piping that has potential for damage by vehicles entering the Site should be protected by logically placed warning signs or by concrete-filled pipe barriers.

C.5.3 Loading and unloading areas should be provided with an interlocked warning light, grounding shutdown, physical barrier system, or warning signs to prevent vehicular departure before complete disconnect of flexible or fixed transfer lines. All drains and outlets of any truck should be closely examined for leakage prior to filling and departure. All drains and outlets which may allow leakage should be tightened, adjusted, or replaced to prevent liquid leakage while in transit.

NOTE: LPG loading facilities and remote field loading of condensate are exempt from the C.5 requirements of this document.

D. PROCEDURE

D.1 IDENTIFYING, CONTAINING AND INITIAL REPORTING OF A DISCHARGE OR SPILL OF OIL OR HAZARDOUS SUBSTANCE

Any Employee

D.1.1 Upon noticing a discharge or spill of an oil or hazardous substance in any quantity initiates immediate containment procedures and notifies facility supervisor.

NOTE: Refer to Attachment A for containment procedures.

Facility Supervisor

D.1.2 Contacts Gas Control and responsible Director immediately by telephone and provides the following information:

a. Name of company facility and/or location of facility and nature of discharge or spill
b. Description and quantity of emission or substance discharged
c. Name, title, and telephone number of person initially reporting the discharge or spill and person reporting to Gas Control
d. Action taken or being taken to mitigate and correct discharge or spill
e. Water bodies or streams involved
f. Time and duration of discharge or spill
g. Outside involvement during discharge or spill (public government agencies, etc. See Emergency Operating Procedure Manuals)

Gas Control Personnal

D.1.3 Advises Environmental Services departments immediately by telephone concerning the incident including any incidents reported by persons not employed with the Company.

NOTE: If Gas Control is contacted by a person not employed with the Company, the necessary information is obtained as indicated in D.1.2 and the Supervisor and Environmental Services are immediately contacted to begin containment and clean-up of the discharge or spill.

D.1.4 If Environmental Services cannot be contacted, notifies Director over Environmental Services.

Facility Supervisor

D.1.5 Coordinates containment and clean-up of discharge or spill, keeping the responsible Director Informed.

D.1.6 If the discharge or spill is too large for Company personnel to contain, contacts qualified local contractors for assistance. (See Emergency Operating Procedure Manuals tab #11, contractors with available equipment and services).

D.1.7 Advises Environmental Services by telephone if emergency containment or clean-up assistance from a state agency or a response team from the U.S. Coast Guard is required.

Environmental Services

D.1.8 Contacts Legal Department (and Right-of-Way Department, if appropriate) and assesses reporting requirements to state and federal agencies. (See Emergency Operating Procedure Manuals).

D.1.9 Makes appropriate contacts with U.S. Coast Guard and state agencies when necessary.

D.1.10 If spill is significant, dispatches Environmental Specialist to scene to oversee cleanup and reporting responsibilities.

D.2 SUBMITTING WRITTEN NOTIFICATION OF A DISCHARGE OR SPILL

Facility Supervisor

D.2.1 Completes a written description of the incident as soon as possible after initial notification is given, which should include the following:

a. Time and date of discharge or spill
b. Facility name and location
c. Type of material spilled
d. Quantity of material spilled
e. Area affected
f. Cause of spill
g. Special circumstances
h. Corrective measures taken
i. Description of repairs made
j. Preventative measures taken to prevent recurrence.

D.2.2 Forwards the completed report to Environmental Services and a copy to Legal Department. Retains a copy for future reference.

NOTE: Environmental Services, in coordination with the Legal Department, submits written reports to government agencies.

ATTACHMENT A

Discharge or Spill Containment Procedures and Materials

Type of Facility where the Discharge or Spill occurs	Containment Procedures	Material Used for Containment
A. Oil Pipeline (as defined in C.1.4)	1. Closes appropriate block valves. 2. Contains discharge or spill by: ditching covering, applying sorbents, constructing an earthen dam, or burning. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	1. Straw 2. Loose Earth 3. Oil Sorbent - 3M Brand 4. Plain Wood Chips 5. Sorb - Oil Chips Banta Co. 6. Sorb - Oil Swabs - Banta Co. 7. Sorb - Oil Mats - Banta Co. 8. Or Equivalent Materials.
B. Vehicle	1. Contains discharge or spill by: ditching, covering surface with dirt, constructing earthen dams, applying sorbents, or burning. 2. Notifies immediately the Compliance and Safety Department and if there is any imminent danger to local residents; notifies immediately the highway patrol or local police officials. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning. **NOTE: Any vehicle carrying any hazardous or toxic substance will carry a shovel or other ditching device to contain a spill. If the vehicle has sufficient room, sorbent materials should also be carried.**	
c. Bulk Storage Tanks or any other Facilities	1. Contains discharge or spill by: ditching, covering, applying sorbents, constructing an earthen dam, or burning. 2. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	

APPENDIX B

OCD NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS AND WQCC 1-203 NOTIFICATION OF DISCHARGE

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR						ADDRESS	TELEPHONE #
REPORT OF	FIRE	BREAK	SPILL	LEAK		BLOWOUT	OTHER*
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE	GASO PLNT	OIL RFY	OTHER*
FACILITY NAME:							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage						SEC.	TWP. / RGE. / COUNTY
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK							
DATE AND HOUR OF OCCURRENCE						DATE AND HOUR OF DISCOVERY	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED			IF YES, TO WHOM	
BY WHOM						DATE AND HOUR	
TYPE OF FLUID LOST						QUANTITY OF LOSS	VOLUME RECOVERED
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO	QUANTITY				
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**							
DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER*			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**							

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED | PRINTED NAME AND TITLE | DATE

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

A. The Division shall be notified of any fire, break, leak, spill, or blowout occurring at any injection or disposal facility or at any oil or gas drilling, producing, transporting, or processing facility in the State of New Mexico by the person operating or controlling such facility.

B. "Facility," for the purpose of this rule, shall include any oil or gas well, any injection or disposal well, and any drilling or workover well; any pipe line through which crude oil, condensate, casinghead or natural gas, or injection or disposal fluid (gaseous or liquid) is gathered, piped, or transported (including field flow-lines and lead-lines but not including natural gas distribution systems); any receiving tank, holding tank, or storage tank, or receiving and storing receptacle into which crude oil, condensate, injection or disposal fluid, or casinghead or natural gas is produced, received, or stored; any injection or disposal pumping or compression station including related equipment; any processing or refining plant in which crude oil, condensate, or casinghead or natural gas is processed or refined; and any tank or drilling pit or slush pit associated with oil or gas well or injection or disposal well drilling operations or any tank, storage pit, or pond associated with oil or gas production or processing operations or with injection or disposal operations and containing hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, or other deleterious chemicals or harmful contaminants.

C. Notification of such fire, break, leak, spill, or blowout shall be in accordance with the provisions set forth below:

(1) Well Blowouts. Notification of well blowouts and/or fires shall be "immediate notification" described below. ("Well blowout" is defined as being loss of control over and subsequent eruption of any drilling or workover well, or the rupture of the casing, casinghead, or wellhead or any oil or gas well or injection or disposal well, whether active or inactive, accompanied by the sudden emission of fluids, gaseous or liquid, from the well.)

(2) "Major" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 25 or more barrels of crude oil or condensate, or 100 barrels or more of salt water, none of which reaches a watercourse or enters a stream or lake; breaks, spills, or leaks in which one or more barrels of crude oil or condensate or 25 barrels or more of salt water does reach a watercourse or enters a stream or lake; and breaks, spills, or leaks of hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, gases, or other deleterious chemicals or harmful contaminants of any magnitude which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" described below.

(3) "Minor" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 5 barrels or more but less than 25 barrels of crude oil or condensate, or 25 barrels or more but less than 100 barrels of salt water, none of which reaches a watercourse or enters a stream or lake, shall be "subsequent notification" described below.

(4) "Gas Leaks and Gas Line Breaks. Notification of gas leaks from any source or of gas pipe line breaks in which natural or casinghead gas of any quantity has escaped or is escaping which may with reasonable probability endanger human health or result in substantial damage to property shall be "immediate notification" described below. Notification of gas pipe line breaks or leaks in which the loss is estimated to be 1000 or more MCF of natural or casinghead gas but in which there is no danger to human health nor of substantial damage to property shall be "subsequent notification" described below.

(5) Tank Fires. Notification of fires in tanks or other receptacles caused by lightning or any other cause, if the loss is, or it appears that the loss will be, 25 or more barrels of crude oil or condensate, or fires which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" as described below. If the loss is, or it appears that the loss will be at least 5 barrels but less than 25 barrels, notification shall be "subsequent notification" described below.

(6) Drilling Pits, Slush Pits, and Storage Pits and Ponds. Notification of breaks and spills from any drilling pit, slush pit, or storage pit or pond in which any hydrocarbon or hydrocarbon waste or residue, strong caustic or strong acid, or other deleterious chemical or harmful contaminant endangers human health or does substantial surface damage, or reaches a watercourse or enters a stream or lake in such quantity as may with reasonable probability endanger human health or result in substantial damage to such watercourse, stream, or lake, or the contents thereof, shall be "immediate notification" as described below. Notification of breaks or spills of such magnitude as to not endanger human health, cause substantial surface damage, or result in substantial damage to any watercourse, stream, or lake, or the contents thereof, shall be "subsequent notification" described below, provided however, no notification shall be required where there is no threat of any damage resulting from the break or spill.

(7) IMMEDIATE NOTIFICATION. "Immediate Notification" shall be as soon as possible after discovery and shall be either in person or by telephone to the district office of the Division district in which the incident occurs, or if the incident occurs after normal business hours, to the District Supervisor, the Oil and Gas Inspector, or the Deputy Oil and Gas Inspector. A complete written report ("Subsequent Notification") of the incident shall also be submitted in DUPLICATE to the appropriate district office of the Division within ten days after discovery of the incident.

(8) SUBSEQUENT NOTIFICATION. "Subsequent Notification" shall be a complete written report of the incident and shall be submitted in duplicate to the district office of the Division district in which the incident occurred within ten days after discovery of the incident.

(9) CONTENT OF NOTIFICATION. All reports of fires, breaks, leaks, spills, or blowouts, whether verbal or written, shall identify the location of the incident by quarter-quarter, section, township, and range, and by distance and direction from the nearest town or prominent landmark so that the exact site of the incident can be readily located on the ground. The report shall specify the nature and quantity of the loss and also the general conditions prevailing in the area, including precipitation, temperature, and soil conditions. The report shall also detail the measures that have been taken and are being taken to remedy the situation reported.

(10) WATERCOURSE, for the purpose of this rule, is defined as any lake-bed or gully, draw, stream bed, wash, arroyo, or natural or man-made channel through which water flows or has flowed.

Title:NM - Environment Department • Environmental Improvement Board • Water Quality Control Commission • Groundwater Protection and Remediation Bureau • WQCC 82-1 • Part I • 1-200 • 1-203

Section: 1-203 Notification of Discharge -- Removal
Date: November 18, 1993
Subject
Terms:

1-203. Notification of Discharge -- Removal.

A. With respect to any discharge from any facility of oil or water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, the following notifications and corrective actions are required;

1. As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, any person in charge of the facility shall orally notify the Chief, Ground Water Bureau, Environmental Improvement Division, or his counterpart in any constituent agency delegated responsibility for enforcement of these rules as to any facility subject to such delegation. To the best of that person's knowledge, the following items of information shall be provided:

a. the name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility;

b. the name and address of the facility;

c. the date, time, location, and duration of the discharge;

d. the source and cause of discharge;

e. a description of the discharge, including its chemical composition;

f. the estimated volume of discharge; and

g. any actions taken to mitigate immediate from the discharge.

2. When in doubt as to which agency to notify, the person in charge of the facility shall notify the Chief, Ground Water Bureau, Environmental Improvement Division. If that division does not have authority pursuant to Commission delegation, the division shall notify the appropriate constituent agency.

3. Within one week after the discharger has learned of the discharge, the facility owner and/or operator shall send written notification to the same division official, verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification.

4. The oral and written notification and reporting requirements contained in the three preceding paragraphs and the paragraphs below are not intended to be duplicative of discharge notification and reporting requirements promulgated by the Oil Conservation Commission (OCC) or by the Oil Conservation Division (OCD); therefore, any facility which is subject to OCC or OCD discharge

notification and reporting requirements need not additionally comply with the notification and reporting requirements herein.

5. As soon as possible after learning of such a discharge, the owner/operator of the facility shall take such corrective actions as are necessary or appropriate to contain and remove or mitigate the damage caused by the discharge.

6. If it is possible to do so without unduly delaying needed corrective action, the facility owner/operator shall endeavor to contact and consult with the Chief, Ground Water Bureau, Environmental Improvement Division or appropriate counterpart in a delegated agency, in an effort to determine the division's views as to what further corrective actions may be necessary or appropriate to the discharge in question. In any event, no later than fifteen (15) days after the discharger learns of the discharge, the facility owner/operator shall send to said Bureau Chief a written report describing any corrective actions taken and/or to be taken relative to the discharge. Upon a written request and for good cause shown, the Bureau Chief may extend the time limit beyond fifteen (15) days.

7. The Bureau Chief shall approve or disapprove in writing the foregoing corrective action report within thirty (30) days of its receipt by the division. In the event that the report is not satisfactory to the division, the Bureau Chief shall specify in writing to the facility owner/operator any shortcomings in the report or in the corrective actions already taken or proposed to be taken relative to the discharge, and shall give the facility owner/operator a reasonable and clearly specified time within which to submit a modified corrective action report. The Bureau Chief shall approve or disapprove in writing the modified corrective action report within fifteen (15) days of its receipt by the division.

8. In the event that the modified corrective action report also is unsatisfactory to the division, the facility owner/operator has five (5) days from the notification by the Bureau Chief that it is unsatisfactory to appeal to the division director. The division director shall approve or disapprove the modified corrective action report within five (5) days of receipt of the appeal from the Bureau Chief's decision. In the absence of either corrective action consistent with the approved corrective action report or with the decision of the director concerning the shortcomings of the modified corrective action report, the division may take whatever enforcement or legal action it deems necessary or appropriate.

B. Exempt from the requirements of this section are continuous or periodic discharges which are made:

1. in conformance with water quality control commission regulations and rules, regulations or orders of other state or federal agencies; or

2. in violation of water quality control commission regulations but pursuant to an assurance of discontinuance or schedule of compliance approved by the Commission or one of its duly authorized constituent agencies.

C. As used in this section:

1. "discharge" means spilling, leaking, pumping, pouring, emitting, emptying, or dumping into water or in a location and manner where there is a reasonable probability that the discharged substance will reach surface or subsurface water;

2. "facility" means any structure, installation, operation, storage tank, transmission line, motor vehicle, rolling stock, or activity of any kind, whether stationary or mobile;

3. "oil" means oil of any kind or in any form including petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes.

4. "operator" means the person or persons responsible for the overall operation of a facility; and

5. "owner" means the person or persons who own a facility, or part of a facility.

D. Notification of discharge received pursuant to this regulation or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except for perjury or for giving a false statement.