

GRCO 06

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised October 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Giant Refining – Ciniza Refinery	Contact Jim Lieb
Address I-40, Exit 39, Jamestown NM 87347	Telephone No. 505-722-3227
Facility Name Ciniza Refinery	Facility Type Oil refinery

Surface Owner Giant Industries, Inc.	Mineral Owner Giant Industries, Inc.	Lease No.
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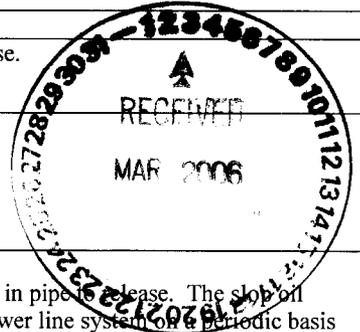
**LOCATION OF RELEASE**

Unit Letter	Section 23 & 33	Township 15N	Range 15W	Feet from the	North/South Line	Feet from the	East/West Line	County McKinley
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Latitude 35°29'30" Longitude 108°24'40"

**NATURE OF RELEASE**

Type of Release Slop oil	Volume of Release 1,680 gallons	Volume Recovered 1,596
Source of Release Main sewer line	Date and Hour of Occurrence 2/24/06 1900 hours	Date and Hour of Discovery 2/24/06 1900 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? National Response Center (Ms. Rawls) NRC Rpt 789164 OCD- Carl Chavez NMED – Hope Monzeglio	
By Whom? Steve Morris, within 24 hours of spill	Date and Hour 2/25/06 at 1100 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	



If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
Contractors working in sewer line excavation inadvertently caused a stop plug to become loose which allowed slop oil in pipe to release. The slop oil came out of drain pipe from the desalter interface level. The oil from the desalter interface must be drained into the sewer line system on a periodic basis for proper operation of the desalter. The spilled oil was immediately pumped out of excavation.

Describe Area Affected and Cleanup Action Taken.\*  
Excavation in refinery facility. All of the spill was confined to the excavation. None of the spill impacted surface waters. The spilled material was immediately vacuumed up into a vac truck and spill material was put back into refinery process system.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>ED RIOS</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: ED RIOS	Approved by District Supervisor:	
Title: Refinery Manager	Approval Date:	Expiration Date:
E-mail Address: erios@giant.com	Conditions of Approval:	
Date: 2-28-06 Phone: 505.722.0202	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

**Monzeglio, Hope, NMENV**

**From:** Jim Lieb [jlieb@giant.com]  
**Sent:** Tuesday, February 28, 2006 8:53 AM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Ed Riege; Monzeglio, Hope, NMENV; Foust, Denny, EMNRD; Price, Wayne, EMNRD  
**Subject:** RE: 2/25/06 spill

Carl:

The spilled material was crude oil that was in the sewer pipe.

In preparing the form I assumed that the oil was all pumped out. On second thought some oil may have been absorbed by the clay. So I will make an estimate that up to 5 % was absorbed =  $0.05 \times 1680$  gallons = 84 gallons. Hence the amount recovered is estimated as  $1680 - 84 = 1596$  gallons.

The asterisks were already on the form I have. They do not mean anything.

I will revise the form and re-submit to you and Denny and Hope.

I apologise for any confusion this may have caused. I didn't mean to be inaccurate.

Sincerely,

Jim Lieb  
Environmental Engineer

**From:** Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]  
**Sent:** Tuesday, February 28, 2006 7:44 AM  
**To:** Jim Lieb; Monzeglio, Hope, NMENV  
**Cc:** Ed Riege; Price, Wayne, EMNRD; denny.faust@state.nm.us  
**Subject:** RE: 2/25/06 spill

Jim:

Good morning. The phone message I received on 2/25/06 from Steve Morris of Giant indicated that the release was a crude oil release; however, your report seems to indicate that the release occurred from a sewer line that may have contained oily refinery water. Was the release crude oil or oily water?

Another point of concern from the report is the volume of the release in comparison to the volume recovered. The volumes should not be equal and the concern is that Giant is not accurately recording the true volume recovered on the C-141. Please resubmit the C-141 with the correct volume and cause of problem information. Lastly, is there any reason for the asterisk denoted on the form? Thank you.

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")

2/28/2006

**From:** Jim Lieb [mailto:jlieb@giant.com]  
**Sent:** Monday, February 27, 2006 5:09 PM  
**To:** Monzeglio, Hope, NMENV  
**Cc:** Ed Riege; Price, Wayne, EMNRD; Chavez, Carl J, EMNRD; denny.faust@state.nm.us  
**Subject:** RE: 2/25/06 spill

Hope:

I have prepared a Release Notification and Corrective Action form (Form C-141) for the spill. I will put a hard copy with original signature to you and provide the required 2 copies to the OCD district office in Aztec.

Sincerely,

Jim Lieb

---

**From:** Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]  
**Sent:** Monday, February 27, 2006 11:34 AM  
**To:** Jim Lieb; Ed Riege  
**Cc:** Chavez, Carl J, EMNRD; Cobrain, Dave, NMENV; WPRICE@state.nm.us  
**Subject:** RE: 2/25/06 spill

Jim

Thank you for the follow up. NMED would like Giant to collect confirmation soil samples upon excavating to clean soil in the excavation area which the crude spill occurred in. The size of the excavation will determine the number of samples you will need to collect. The samples should be analyzed for EPA Method 8021B for BTEX, EPA Method 8015B for GRO and DRO extended covering the carbon range C32-C36.

Call me with any questions. 505-428-2545

Hope

---

**From:** Jim Lieb [mailto:jlieb@giant.com]  
**Sent:** Monday, February 27, 2006 12:16 PM  
**To:** Monzeglio, Hope, NMENV  
**Cc:** Chavez, Carl J, EMNRD; Ed Riege  
**Subject:** RE: 2/25/06 spill

Hope:

We are planning to excavate the contaminated soil and place it into 40 yard boxes from Enichem. The boxes will be kept covered with rain repellent tarps. The boxes will be kept on site pending approval by Enichem for disposal as hazardous waste at a permitted TSDF. If Enichem does not have boxes available, we will place the excavated soil onto plastic tarp material and construct an enclosing berm surrounding the soil. I will keep you informed which method of accumulation is used. We will excavate to clean soil based on visual and olfactory observations.

I performed calculation on constituents in the spilled material and have determined that the spilled crude contained an RQ of benzene (80 pounds) and xylene (166 pounds). I reported this information to the NRC today at approx. 11:45 am.

If you have any questions, please contact me by email or at (505) 722-3227 or Ed Riege at (505) 722-3217.

Sincerely,

Jim Lieb  
Environmental Engineer

---

**From:** Ed Riege  
**Sent:** Monday, February 27, 2006 8:28 AM  
**To:** 'Monzeglio, Hope, NMENV'  
**Cc:** Jim Lieb

2/28/2006

**Subject:** RE: 2/25/06 spill

Hope,  
After the contaminated soil is removed there will be no further excavation. Jim is researching the options on the plans for the contaminated soil and will get back with you. We are not sure whether to go with drums or plastic in a bermed area and then ship off site for disposal.  
Thanks  
Ed

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

**From:** Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]  
**Sent:** Monday, February 27, 2006 8:18 AM  
**To:** Ed Riege  
**Subject:** 2/25/06 spill

Ed

I received the message from Steve this morning about the spill. I have a few questions pertaining to the spill. Is Giant still excavating the area where the spill occurred after the contaminated soil is removed? What are Giants plans for the contaminated soil.

Thanks

Hope

Hope Monzeglio  
Environmental Specialist  
New Mexico Environment Department  
Hazardous Waste Bureau  
2905 Rodeo Park Drive East, BLDG 1  
Santa Fe NM 87505  
Phone: (505) 428-2545  
Fax: (505)-428-2567  
hope.monzeglio@state.nm.us

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**Monzeglio, Hope, NMENV**

**From:** Jim Lieb [jlieb@giant.com]  
**Sent:** Tuesday, February 28, 2006 1:48 PM  
**To:** Chavez, Carl J, EMNRD; Monzeglio, Hope, NMENV; Foust, Denny, EMNRD  
**Cc:** Ed Riege; Price, Wayne, EMNRD  
**Subject:** RE: 2/25/06 spill

Carl,Hope,Denny:

I have revised the form as per your request. I did some further checking here which I should have done more thoroughly earlier. The spilled material is not crude oil but is slop oil from the desalter unit. I thought it was crude because Steve M. had it written down as crude in his report. The desalter is designed to be hard piped to the sewer system. The slop oil from the desalter is blown down periodically into the sewer system otherwise the desalter would malfunction. The slop oil is then skimmed off at the API and sent back into the refinery process.

I also put in the estimated recovered spill amount (1,596 gallons).

If you need more information please contact me.

Hope: we will sample the DRO over the range of from C10 to C36 as per your directions.

Sincerely,

Jim Lieb  
Environmental Engineer

**From:** Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]  
**Sent:** Tuesday, February 28, 2006 12:20 PM  
**To:** Jim Lieb  
**Subject:** RE: 2/25/06 spill

Thanks Jim.

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  
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Website: <http://www.emnrd.state.nm.us/ocd/>  
(Pollution Prevention Guidance is under "Publications")

**From:** Jim Lieb [mailto:jlieb@giant.com]  
**Sent:** Tuesday, February 28, 2006 12:12 PM  
**To:** Chavez, Carl J, EMNRD  
**Subject:** RE: 2/25/06 spill

Carl:

I did some further checking here. The spilled material is not crude oil but is slop oil from the desalter unit. I thought it was crude because Steve M. had it written down as crude in his report. The desalter is designed to be hard piped to the sewer system. The slop oil from the desalter is blown down periodically into the sewer system otherwise the desalter would malfunction. The slop oil is then skimmed off at the API and sent back into the refinery process.

2/28/2006

**Monzeglio, Hope, NMENV**

**From:** Jim Lieb [jlieb@giant.com]  
**Sent:** Monday, February 27, 2006 1:15 PM  
**To:** Monzeglio, Hope, NMENV  
**Cc:** Ed Riege  
**Subject:** RE: 2/25/06 spill

Hope:

That is OK. We will sample as NMED requires. I will get back to you with expected size of excavation so we can agree on number of samples. Oh, by the way I got the name of the company wrong. The correct company name is Rinchem of Albuquerque (not Enichem). Too many environmental companies with similar names.

-Jim

**From:** Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]  
**Sent:** Monday, February 27, 2006 11:34 AM  
**To:** Jim Lieb; Ed Riege  
**Cc:** Chavez, Carl J, EMNRD; Cobrain, Dave, NMENV; WPRICE@state.nm.us  
**Subject:** RE: 2/25/06 spill

Jim

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Call me with any questions. 505-428-2545

Hope

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**Sent:** Monday, February 27, 2006 12:16 PM  
**To:** Monzeglio, Hope, NMENV  
**Cc:** Chavez, Carl J, EMNRD; Ed Riege  
**Subject:** RE: 2/25/06 spill

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If you have any questions, please contact me by email or at (505) 722-3227 or Ed Riege at (505) 722-3217.  
Sincerely,

Jim Lieb  
Environmental Engineer

2/28/2006

**From:** Ed Riege  
**Sent:** Monday, February 27, 2006 8:28 AM  
**To:** 'Monzeglio, Hope, NMENV'  
**Cc:** Jim Lieb  
**Subject:** RE: 2/25/06 spill

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Jim Lieb  
Environmental Engineer

2/28/2006

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Environmental Specialist  
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**Monzeglio, Hope, NMENV**

**From:** Jim Lieb [jlieb@giant.com]  
**Sent:** Monday, March 06, 2006 8:42 AM  
**To:** Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD  
**Cc:** Ed Riege; Ed Rios; Steve Morris; Johnny Sanchez; Jim Hallock  
**Subject:** Clean up of Sewer Excavation Slop Oil Spill

Hope and Carl:

Per your request for Giant to sample the process sewer slop oil spill that occurred in the excavation, I have prepared a figure showing the spill area with proposed sampling locations. I have shown the spill area within the excavation with a dark line showing the limits of spill. The spill was limited to within the shelf areas. Giant proposes to sample at 6 locations as shown on the figure. We will excavate the spill contaminated soil and take the samples. Samples will be delivered to Hall Environmental Analysis Laboratory in Albuquerque under chain of custody. At request of NMED the samples will be sampled for EPA Method 8021B for BTEX, EPA Method 8015B for GRO and DRO (DRO must cover the range from C10 to C36).

Ciniza expects the excavation of the contaminated soils will begin today. Because this is an active construction and process area we cannot leave open the excavation. Due to safety concerns of leaving an open hole area inside an active process area Ciniza will backfill with clean overburden after excavation of the oil-contaminated soil. We could not begin excavation till now because of on-going construction work in the excavation area to the east of the contaminated zone.

I have included a figure showing the location of the excavation area within the refinery. It is adjacent to the sulfur recovery unit building which I have shown on both figures including an arrow showing north.

Please let me know if the proposed sampling locations are acceptable to NMED.

Sincerely,

Jim Lieb  
Environmental Engineer  
Giant - Ciniza Refinery  
jlieb@giant.com  
(505) 722-3227

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3/6/2006

GIANT  
CINIZA  
REFINERY

EXCAVATION PIT DETAIL  
PROCESS SEWER LINE SLOP OIL SPILL OF 2-24-06  
SPILL AREA SAMPLING LOCATIONS (PROPOSED)

X = PROPOSED SAMPLE LOCATION  
S

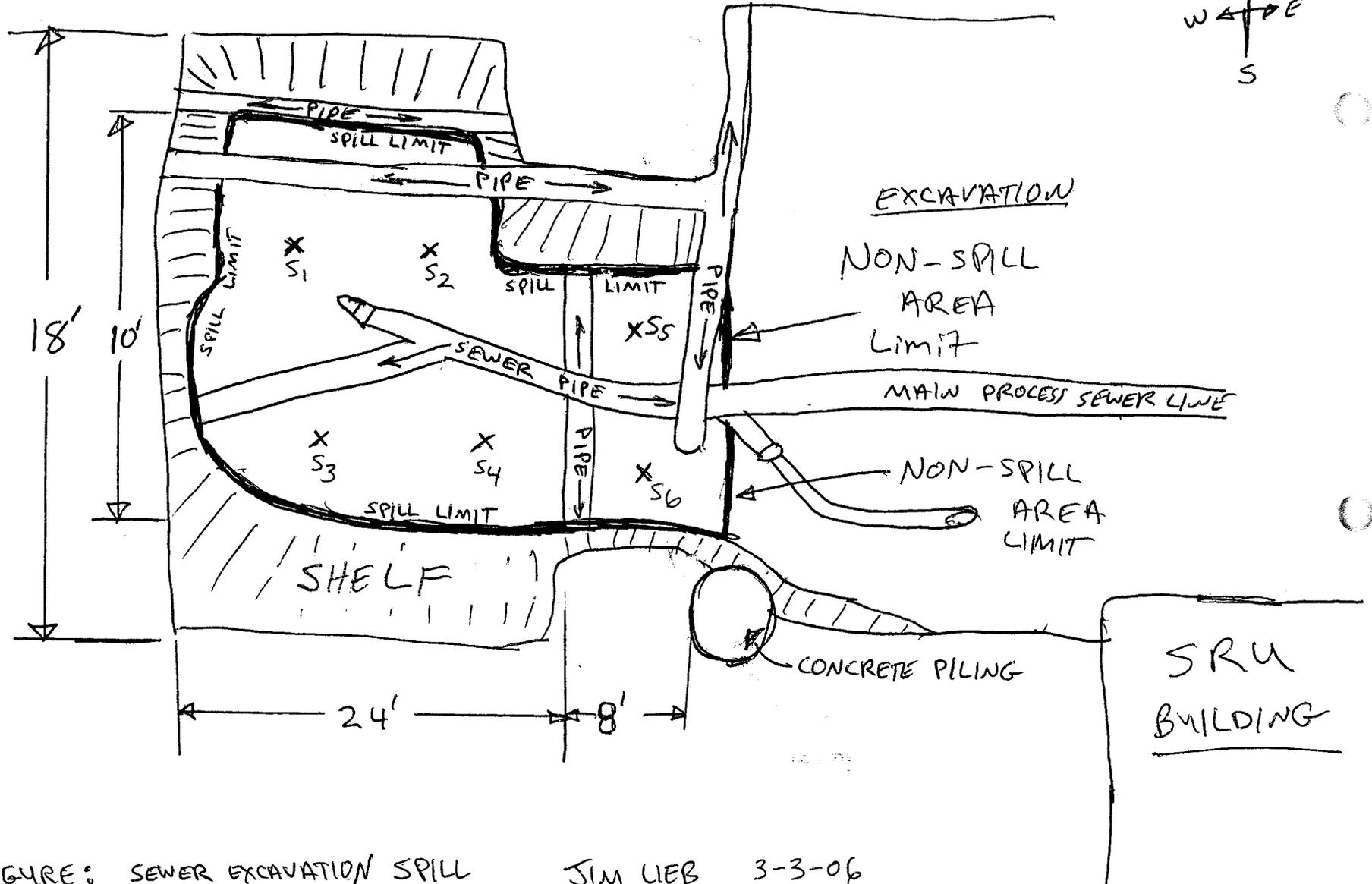
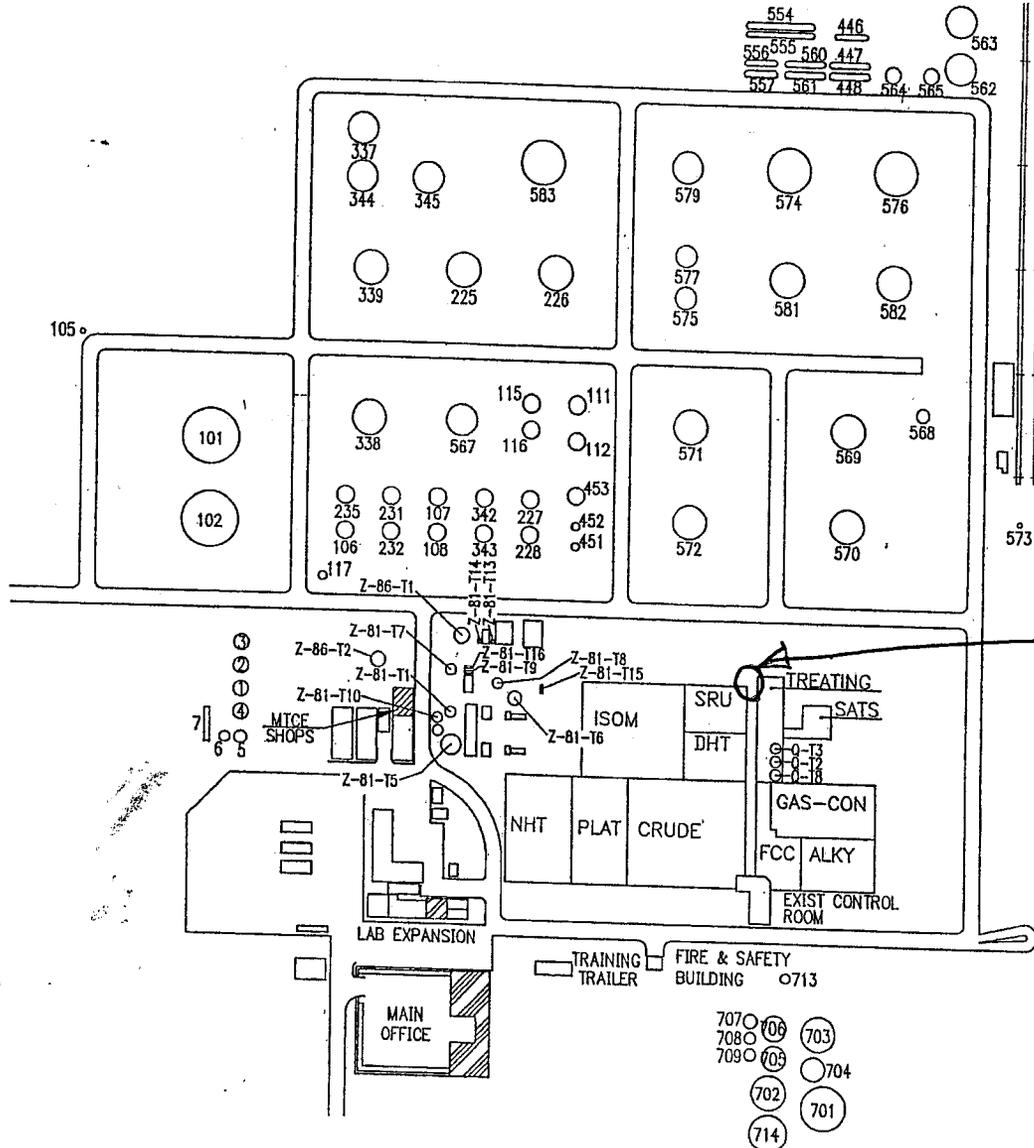


FIGURE: SEWER EXCAVATION SPILL

JIM LIEB 3-3-06



PROCESS  
SEWER PIPE  
EXCAVATION  
SLOP OIL  
SPILL

CONTRACTOR:			
CINZA REFINERY	<b>GIANT</b> REFINING CO. <small>A DIVISION OF GIANT INDUSTRIES</small>	GALLUP NEW MEXICO	
GIANT REFINERY TANK FARM PLAN			
DRW. BY: CLW	DATE: 10DEC02	RFE/RFC No: -	
CHKD. BY: -	DATE: -	SCALE: NTS	
APPD. BY: -	DATE: -	CAD REF: -	EQUILIBRIUM
WELD SPEC: -		PAINT: -	
DRAWING NO.	Z-01-100		REV 0

**Monzeglio, Hope, NMENV**

**From:** Monzeglio, Hope, NMENV  
**Sent:** Monday, March 06, 2006 9:03 AM  
**To:** 'Jim Lieb'; Chavez, Carl J, EMNRD  
**Cc:** Ed Riege; Ed Rios; Steve Morris; Johnny Sanchez; Jim Hallock; Cobrain, Dave, NMENV  
**Subject:** RE: Clean up of Sewer Excavation Slop Oil Spill

Jim

The sampling locations are acceptable to NMED.

Hope

**From:** Jim Lieb [mailto:jl Lieb@giant.com]  
**Sent:** Monday, March 06, 2006 8:42 AM  
**To:** Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD  
**Cc:** Ed Riege; Ed Rios; Steve Morris; Johnny Sanchez; Jim Hallock  
**Subject:** Clean up of Sewer Excavation Slop Oil Spill

Hope and Carl:

Per your request for Giant to sample the process sewer slop oil spill that occurred in the excavation, I have prepared a figure showing the spill area with proposed sampling locations. I have shown the spill area within the excavation with a dark line showing the limits of spill. The spill was limited to within the shelf areas. Giant proposes to sample at 6 locations as shown on the figure. We will excavate the spill contaminated soil and take the samples. Samples will be delivered to Hall Environmental Analysis Laboratory in Albuquerque under chain of custody. At request of NMED the samples will be sampled for EPA Method 8021B for BTEX, EPA Method 8015B for GRO and DRO (DRO must cover the range from C10 to C36).

Ciniza expects the excavation of the contaminated soils will begin today. Because this is an active construction and process area we cannot leave open the excavation. Due to safety concerns of leaving an open hole area inside an active process area Ciniza will backfill with clean overburden after excavation of the oil-contaminated soil. We could not begin excavation till now because of on-going construction work in the excavation area to the east of the contaminated zone.

I have included a figure showing the location of the excavation area within the refinery. It is adjacent to the sulfur recovery unit building which I have shown on both figures including an arrow showing north.

Please let me know if the proposed sampling locations are acceptable to NMED.

Sincerely,

Jim Lieb  
Environmental Engineer  
Giant - Ciniza Refinery  
jl Lieb@giant.com  
(505) 722-3227

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3/6/2006