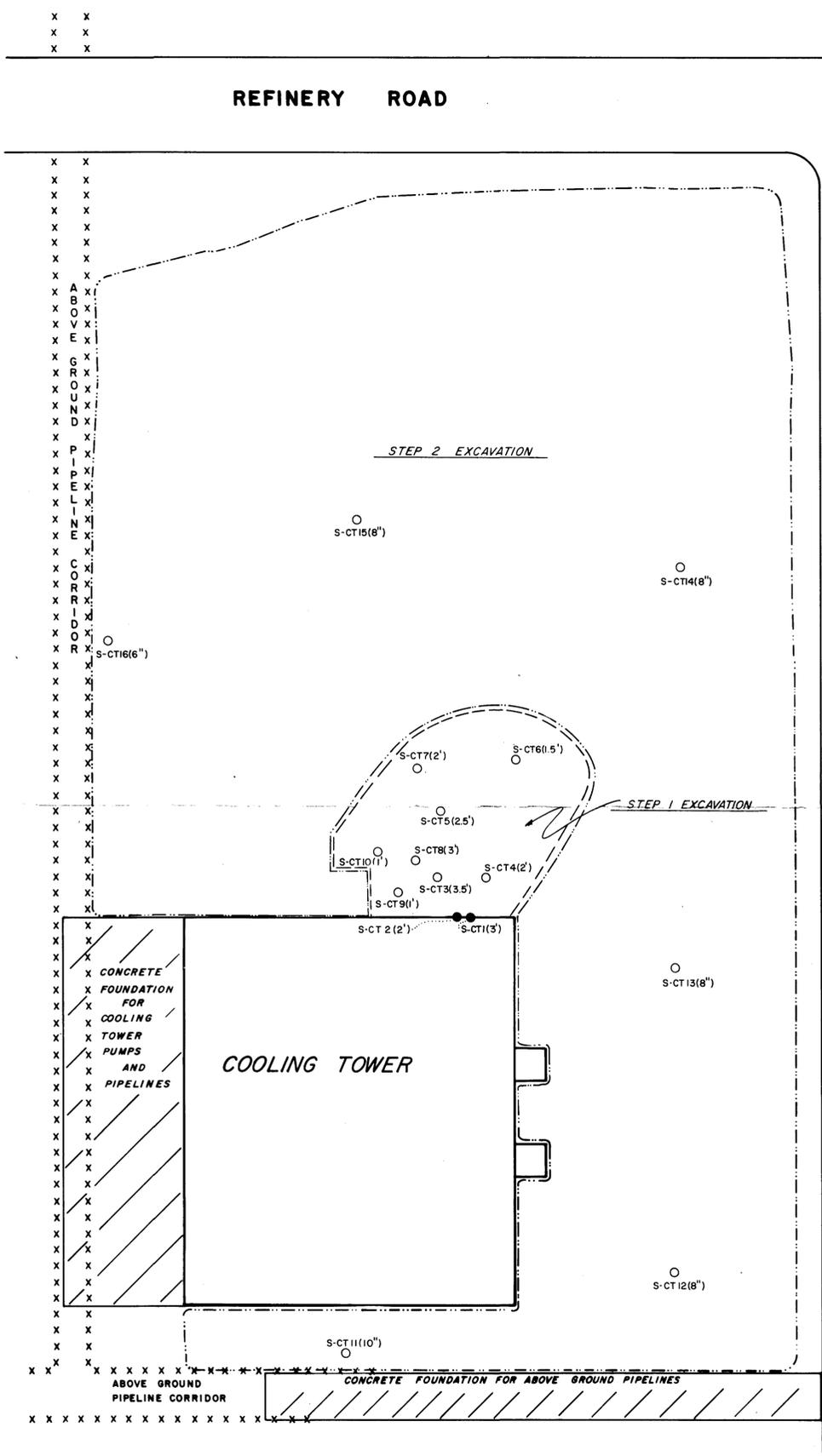


GW - 14

REPORTS

YEAR(S):

1990



SOIL ANALYTICAL DATA

STEP 1 EXCAVATION CONFIRMATION

DATE SAMPLED	SAMPLE I.D.	SAMPLE DEPTH ft.	CHROMIUM		TOTAL mg/kg
			EP TOX mg/L	TCLP mg/L	
02-12-90	S-CT1	3	<1	--	<20
03-07-90	S-CT2	2	<1	--	37
03-08-90	S-CT3	3.5	1.3	--	--
03-08-90	S-CT4	2	<1	--	--
03-08-90	S-CT5	2.5	<1	--	--
03-08-90	S-CT6	1.5	<1	--	--
03-08-90	S-CT7	2	<1	--	--
03-08-90	S-CT8	3	<1	--	--
03-08-90	S-CT9	1	1.5	--	--
03-08-90	S-CT10	1	<1	--	--

STEP 2 EXCAVATION CONFIRMATION

DATE SAMPLED	SAMPLE I.D.	SAMPLE DEPTH ft.	CHROMIUM		TOTAL mg/kg
			EP TOX mg/L	TCLP mg/L	
03-09-90	S-CT11	0.8	--	--	57
03-09-90	S-CT12	0.7	--	--	122
03-09-90	S-CT13	0.7	--	--	261
03-09-90	S-CT14	0.7	--	--	404
03-09-90	S-CT15	0.7	--	--	102
03-09-90	S-CT16	0.5	--	--	58

LEGEND

- STEP 1 EXCAVATION (MAXIMUM DEPTH 35 FEET)
- ___ STEP 2 EXCAVATION (MAXIMUM DEPTH 08 FEET)
- SOIL SAMPLE (FLOOR SAMPLE WITH DEPTH INDICATED)
- SOIL SAMPLE (WALL SAMPLE WITH DEPTH INDICATED)

**COOLING TOWER SUPPLEMENTAL
REMEDIAL REPORT
LEA REFINERY
LOVINGTON, NEW MEXICO**

**PREPARED FOR
SOUTHERN UNION COMPANY**

OCTOBER, 1990



**COOLING TOWER SUPPLEMENTAL
REMEDIAL REPORT
LEA REFINERY
LOVINGTON, NEW MEXICO**

**Prepared For
SOUTHERN UNION COMPANY
LOVINGTON, NEW MEXICO**

OCTOBER, 1990

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**COOLING TOWER SUPPLEMENTAL REMEDIAL REPORT
LEA REFINERY
LOVINGTON, NEW MEXICO**

EXECUTIVE SUMMARY

Remedial activities designed to remove chromium contaminated soils from the cooling tower area at the Lea Refinery commenced in early March of 1990. Excavation of soils identified as chromium impacted continued in a series of steps controlled by soil confirmation sampling until mid-October, 1990. The area of impacted soils was delineated in the spring of 1989 by Western Technologies, Inc. and outlined in a report by Geraghty & Miller, Inc. (formerly Reed & Associates) in August of 1989. This report also outlined the remedial action plan which was submitted to and received by the New Mexico Environmental Improvement Division.

As a first step, the area identified as containing hazardous levels of chromium was excavated and stockpiled separately. In the second step, the surface soils on the north, east and south sides of the cooling tower were removed to a depth of 1 to 2 feet. In the third step, this excavation was then expanded to remove chromium impacted, non-hazardous soils to a depth of about 19 feet. The deep excavation revealed that chromium impacted soils extended beneath the cooling tower structure at depth.

An angle hole drilling program was designed to identify the affected area beneath the tower. Eight borings were drilled at angles spread to cover the area behind the excavation face. Hazardous soils were identified in a few borehole samples and the impacted area was defined.

In the fourth step, the excavation walls were expanded to provide a slope to OSHA safety standards and the sidewall below the tower was shored. A window was placed in the shoring to excavate soils with a unique "vac-hoe" system. This compressed air-vacuum system

removed impacted soil using the cement grouted boreholes as a guide. When clay sediments were encountered, a trackhoe was used to finish the final soil removal to a depth of 42 feet.

The excavation was closed by grouting the area beneath the tower with concrete. The main excavation was backfilled with soil from the caliche pit identified in the remedial plan.

A 30-millimeter thick synthetic liner was installed over a clay layer at the top of the backfilled excavated area and sloped away from the tower for drainage. Another clay layer was spread on top of the liner and capped with caliche pavement.

A total of 1,457 cubic yards of soil were removed from the cooling tower area. Seventy-seven cubic yards of soil were removed from areas containing EP Toxicity chromium greater than 5 milligrams per liter (mg/L) and transported to a hazardous waste disposal facility in Carlyss, Louisiana. The remaining excavated soils, some 1,372 cubic yards, did not contain hazardous levels of chromium and were transported to the Rio Rancho Sanitary Landfill near Albuquerque, New Mexico. Approximately \$600,000 was expended on remediation and soil disposal.

INTRODUCTION

This report documents the remedial activities conducted in the area adjacent to and beneath the cooling tower at the Lea Refinery on State Highway 18 south of Lovington, Lea County, New Mexico. A location map and site plan may be found on Figures 1 and 2, respectively. Site photographs may be found in Appendix A. The Lea Refinery was formerly owned and operated by Southern Union Company of Dallas, Texas. The property was purchased by The Holly Corporation (Navajo Refining), also of Dallas, in 1989. The refinery is not in operation at this time.

The cooling tower operation from 1974 to 1981 involved the use of zinc chromate solution for corrosion and bacteriological control. The solution was stored in an aboveground

storage tank adjacent to the cooling tower. Levels of chromium above background were identified in the soils near this tank.

Southern Union Company employed Geraghty & Miller, Inc. (G&M), formerly Reed and Associates, to oversee characterization sampling of the soils near the cooling tower. Chemical Waste Management, Inc. (CWMI) and their subcontractor Western Technologies, Inc. performed the initial characterization sampling of the soils.

G&M developed a remedial plan, dated August 1, 1989, for the cooling tower soils at the request of Southern Union. The plan was submitted to the New Mexico Environmental Improvement Division (EID). CWMI was contracted by Southern Union to excavate and properly dispose of chromium impacted soils in accordance with the remedial plan. G&M provided input for identification of areas to be excavated as remediation progressed. This input included control of the confirmation soil sampling and analyses used to direct the steps of the removal process. Excavated materials were characterized for waste disposal and transported to EID approved landfill facilities by TAD Trucking of Hobbs, New Mexico. A total of 1,380 cubic yards of soils were transported to the Rio Rancho Sanitary Landfill near Albuquerque, New Mexico and a total of 77 cubic yards were taken to the Chemical Waste Management, Inc. hazardous waste landfill at Carlyss, Louisiana.

SITE SUBSURFACE CHARACTERISTICS

The subsurface materials in the area of the cooling tower include caliche, silt, sand and clay. A thin 0 to 1 foot layer of sandy soil exists at the surface. This soil is underlain by caliche that extends to a depth of about 16 feet. The caliche is indurated in the upper 3 to 8 feet and difficult to excavate. Below this level, the caliche is less hard and contains sand and silt.

The caliche grades into a layer of intermixed silt and fine sand sediment. This silt and sand is interrupted by lenses of soft plastic clay from 5 to 20 feet in depth. Below 20 feet, fine unconsolidated to friable sand is found in lenses interfingered with cemented sandstone.

This material was found to at least 42 feet, the maximum depth of excavation at the cooling tower.

Ground water at the cooling tower site is found at a depth of approximately 79 feet. A separate ground water report authored by Pilko & Associates, Inc. will be submitted separately. This report is entitled "Environmental Sampling and Testing of Soils and Groundwater at Selected Locations, Lovington, New Mexico Refinery".

REMEDIAL METHODOLOGY

The G&M cooling tower remedial plan, dated August 1, 1989, identified three areas of chromium contaminated soils. The remediation of the cooling tower followed the procedure proposed in the plan. The plan called for the excavation of the contaminated soils in three steps:

Step 1: Excavate by backhoe the yellow stained soils in the area near the north wall of the cooling tower as delineated by a 5 milligram per liter (mg/L) chromium EP Toxicity contour line on Figure 3 of the remedial plan.

Step 2: Excavate the surface soils by scraping the areas surrounding the cooling tower with a front-end loader. These soils are delineated on Figure 4 of the remedial plan.

Step 3: Excavate the area near the north wall of the cooling tower as delineated by D5, D6, and E5 on Figure 6 of the remedial plan.

The figures mentioned in the steps above may be found in Appendix B.

The remedial plan also described supplemental investigation and remediation beneath the cooling tower if warranted. Step 3 indicated that soils beneath the tower were impacted. A soil boring program beneath the cooling tower delineated a small quantity of

contaminated soil. The remedial plan was expanded to include a fourth step to address these impacted soils. This step involved excavation by trackhoe and through a unique soil vacuum extraction method.

Step 1 soils were disposed of at an approved hazardous waste disposal facility located in Carlyss, Louisiana. Step 2 and Step 3 soils were sampled for EP Toxicity chromium to verify the non-hazardous character as indicated by earlier delineation and were disposed of at an authorized non-hazardous waste landfill. Step 4 soils were sampled for EP Toxicity and disposed of according to this waste characterization and Toxicity Characteristic Leachate Procedure (TCLP) parameters.

HEALTH & SAFETY PLAN

The Health & Safety Plan for the Lea Refinery cooling tower remedial program was provided by CWMI. A copy of the CWMI Environmental Management Department Approval Package can be found in Appendix C along with copies of the Daily Safety Briefing Reports.

The companies and all personnel directly involved with the Lea Refinery cooling tower remediation are listed below. Not all of the listed personnel were involved in the excavation process.

Chemical Waste Management, Inc.

Don Shosky
Bob Hulet
Larry Youngless
Dan Oskarson
John Meier
Darrell Hellman
Manuel Hoyos

Shawn Nay
Geraghty & Miller, Inc.
Allan Schmidt
Steve Tischer
Miller Pipeline Corporation
Darrin Unger
Tim Reily

Copies of the Certificates of Completion for health and safety requirements of the 29 CFR 1910.120 OSHA/RCRA Off-Site Safety Training 40 Hour Course may be found in Appendix C for the various personnel directly involved with the excavation process.

The Lea Refinery is totally enclosed by a security fence with locking gates. These gates were secured and locked at the end of each work day. Additional security provisions included the use of caution tape around the perimeter of the cooling tower and the use of the heavy machinery to block any access to the excavation.

The walls of the excavation (Step 3) were inclined to OSHA requirements before any personnel entered the area. Shoring was constructed according to a plan developed by a civil engineer with Parkhill, Smith & Cooper (PS&C) of Lubbock, Texas. The shoring and bracing were placed in the excavation by CWMI personnel. The majority of the shoring protected the excavation's south wall below the cooling tower from possible soil failure. An additional shoring wall was constructed along the west wall of the excavation where a sloped wall was not possible. After the shoring was in place the PS&C engineer inspected the structure.

A system of fire hydrants exist around the cooling tower. The fire hydrants were charged every working day by turning on a 50 horsepower pump located at the refinery. The water from the hydrants was used periodically for dust abatement.

There were no incompatible materials handled during this remediation program.

There was a telephone accessible at the Lea Refinery office which was approximately one-eighth mile away. Also, a siren is centrally located on the facility and may be used in case of emergency.

FIELD PROGRAM

A complete chronology of remediation activities is summarized in Appendix D. The discussion below outlines the procedures followed in the field program.

Excavation (Steps 1, 2 & 3)

The excavation of Step 1 soils was conducted March 5-8, 1990 (Figure 3, Photograph 1). The yellow stained soils were stockpiled east of the cooling tower and covered. The maximum depth of the excavation was 3.5 feet. The volume of soil excavated was 77 cubic yards. This material was considered hazardous and segregated from other soils for disposal at the Carlyss, Louisiana landfill.

The Step 2 excavation, scraping of soils around the tower, began on March 8, 1990 and was completed on March 26th (Figures 3 and 4, Photograph 2). The maximum excavation depth was 2 feet. The volume of soil excavated was 601 cubic yards. The excavated soils were stockpiled on plastic sheeting north of the Step 1 soils.

The deep Step 3 excavation was conducted on March 12, 1990 (Figure 4, Photograph 3). The soils were removed to a depth ranging from 18 to 19 feet. The volume of soil excavated was 717 cubic yards. These soils were stockpiled on plastic sheeting north of the Step 2 soils.

Soil samples were taken during and after completion of the excavation steps. This

confirmation sampling was done to determine if the soil removal was proceeding to the proper width and depth to remove all hazardous soils and/or those containing non-hazardous chrome above background levels. In several areas, this process was repeated as many as 3 times to assure that all of the impacted materials were removed.

The Step 1 soil stockpile was considered hazardous based on previous chemical analyses. For this reason, a composite sample was not collected. Steps 2 and 3 soils were stockpiled and representative composite samples were collected for analysis. Representative samples of excavated soils were collected for every 200 cubic yards.

The Step 3 excavation revealed some yellow staining along the south face. A soil sample, SCT-1, collected on February 12, 1990, prior to Step 3 did not reveal chromium contamination below the cooling tower near the surface. Following Step 3 excavation, angle borings were drilled to determine the extent of impacted soils beneath the cooling tower.

Angle Borings

A drilling program was initiated following the completion of Step 3 excavation to delineate the area of impacted soils beneath the cooling tower. Eight angle borings, BD-1 thru BD-8 were drilled beneath the cooling tower and soil samples were collected and analyzed for total and EP Toxicity chromium (Photograph 4). BD-1 thru BD-4 were drilled March 27-29, 1990 and borings BD-5 thru BD-8 were drilled June 26-29, 1990. The drilling was performed by Southwestern Laboratories under the direction of G&M.

Boring locations and orientations were designed to give the best maximum coverage of the cooling tower subsurface (Figure 5). Hollow stem augers were advanced and 4-inch diameter continuous core samples were collected and analyzed.

Drilling equipment was decontaminated between borings. Stainless steel sampling equipment was decontaminated between sample intervals. All borings were grouted to the

surface with neat cement following completion.

The borings were advanced to vertical depths ranging from 28 to 48 feet. Boring angles of depression ranged from 45 to 75 degrees. Lithologic information obtained from the borings indicates that caliche varies from 5 to 16 feet in thickness below the tower. The caliche is underlain by silts and/or clays. Sands were encountered at depths ranging from 12 to 20 feet. Ground water was not encountered in any of the borings. Boring logs can be found in Appendix E .

Samples from the boring program indicated some chromium impacted sediments beneath the tower. Chromium EP Toxicity levels above 5 mg/L were encountered in borings BD-1 and BD-5. A plan for removal of these impacted soils from beneath the cooling tower was engineered by CWMI with input from G&M. Step 4 excavation followed this plan.

Excavation (Step 4)

On August 29, 1990, the walls of the Step 3 excavation were cut back to a 3:1 slope to meet U.S. Occupational Safety & Health Administration (OSHA) requirements (Photograph 5 and 6). The Step 3 excavation was shored according to OSHA standards and inspected on September 7, 1990 by Mr. Michael Cartwright, a professional engineer with Parkhill, Smith and Cooper of Lubbock, Texas.

A unique soil vacuum process (vac-hoe) was used to keep the removal of soil below the tower to a minimum to prevent structural damage . This system employs compressed air to break loose unconsolidated and friable sediments which are then brought to the surface with a vacuum line. A minimum amount of unimpacted soil was removed, thus limiting the need for special support structures.

Vacuum extraction of the Step 4 soils was conducted during the period September 10-19, 1990 by CWMI subcontractor, Miller Pipeline Corporation (Photographs 7, 8 and 9). A

DRAFTER

MOB.

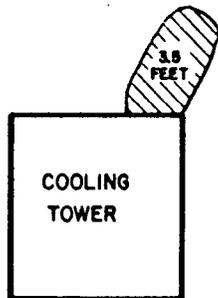
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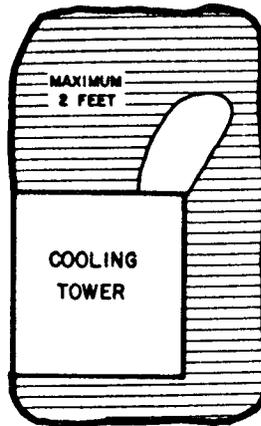
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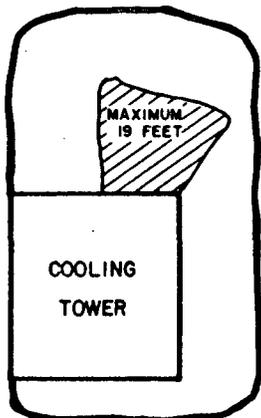
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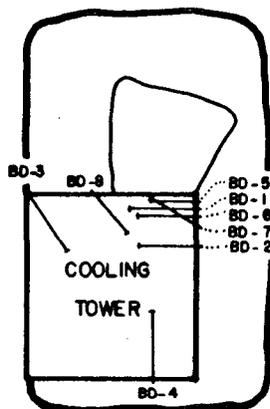
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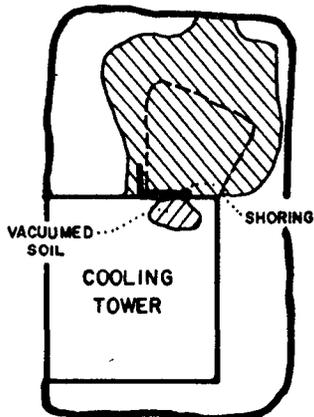
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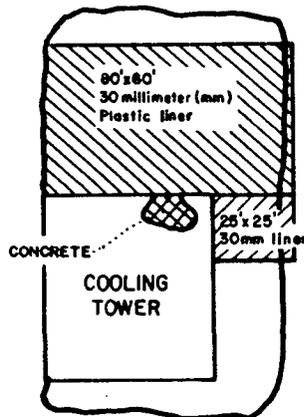
STEP 3



ANGLE BORINGS



STEP 4



CLOSURE

SCALE
NTS

STEPS FOR REMOVAL OF
CHROMIUM IMPACTED SOILS AT
THE LEA REFINERY
COOLING TOWER

DIAGRAM



1

window was opened in the south face of the Step 3 excavation and the impacted soils were located by following the grouted boreholes from the exploratory phase. This operation continued to a depth of 35 feet where clays were encountered. These clays could not be vacuumed out and a trackhoe was brought in to complete the excavation. Excavation of Step 4 soils was completed by trackhoe on October 4, 1990 (Figure 5). The maximum depth of the excavation was 1 foot below the bottom of boring BD-5 at a depth of 42 feet. Confirmation samples were collected during the Step 4 excavation. Confirmation samples were analyzed for EP Toxicity, TCLP, and total chromium. Stockpile samples were analyzed for EP Toxicity and TCLP chromium.

Soil Sampling

Excavation and stockpile soil samples were collected by Geraghty & Miller personnel using clean stainless steel sampling equipment (trowel and hand auger). Angle boring samples consisted of near-surface auger cuttings followed by continuous cores. The angle boring samples were collected in 5 foot intervals and composited into one sample container. Step 1, 2, 3 and 4 excavation soil samples were collected from a depth of about 6 inches in the sidewalls and the excavation floors. Stockpile soil samples were collected for approximately every 200 yards for each stockpile from Steps 2, 3 and 4. The stockpile samples were collected by digging into the pile to a depth of about 1 foot at randomly spaced locations and composited in one sample container. A total of 42 excavation (Table 1), 10 stockpile (Table 2) and 41 angle boring (Table 3) samples were collected and analyzed.

Samples were placed in polyethylene or glass jars with teflon lined caps, labeled and sealed. Samples were shipped to Southwestern Laboratories facilities in Midland and Dallas, Texas via overnight mail for analysis. Quality control and chain of custody procedures were employed. Soil samples were analyzed for EP Toxicity and total chromium. Step 4 excavation and stockpile soil samples were analyzed for EP Toxicity, TCLP and Total chromium. Laboratory analyses can be found in Appendix F. A diagram presenting each of the steps involved may be seen on the following page.

RESULTS

Step 1

Eight grab and two composite samples were collected for confirmation of the Step 1 excavation (Figure 3, Table 1). Wall samples S-CT1 and S-CT2 were collected on February 12, and March 7, 1990, respectively, at depths of 2 to 3 feet below grade and 3 to 23 inches into the wall below the cooling tower. S-CT1 and S-CT2 were analyzed for EP Toxicity and total chromium. EP Toxicity chromium values were less than detection limits of 1 mg/L for both samples. Total chromium concentrations ranged from less than 20 milligrams per kilogram (mg/kg) to 37 mg/kg. Eight floor samples, S-CT3 thru S-CT10, were collected on March 8, 1990 and analyzed for EP Toxicity chromium. The sample depths ranged from 1 to 3.5 feet. EP Toxicity chromium results ranged from less than 1 mg/L (detection limit) to a high of 1.5 mg/L (S-CT9).

A total of 77 cubic yards of soil were excavated in Step 1. The excavated material was considered to be hazardous based on earlier sample analyses. No stockpile samples were obtained.

Step 2

A total of 14 grab samples were collected and analyzed for confirmation of the Step 2 excavation (Table 1). Six samples, S-CT11 thru S-CT16 were obtained on March 9, 1990 and analyzed for total chromium (Figure 3). The results ranged from 57 to 404 mg/kg chromium for depths ranging from 6 to 10 inches. Additional scraping was conducted and samples S-CT11B through S-CT16B were collected on March 16, 1990 and analyzed for EP Toxicity and total chromium (Figure 4). EP Toxicity results for all samples were less than the laboratory detection limit of 0.1 mg/L for chromium. Total chromium values ranged from 18 to 36 mg/kg. The depths of the March 16 samples ranged from 1 to 1.5 feet below original grade. The final confirmation samples, S-CT12C and S-CT13C were collected on

March 26, 1990 after additional scraping down to depths of 1.5 to 2 feet (Figure 4). Total chromium results were 17.7 mg/kg and 22.0 mg/kg.

A total of 601 cubic yards of soil was excavated from the Step 2 area. One stockpile sample, S-CT17, was collected on March 13 and analyzed for EP Toxicity and total chromium. The EP Toxicity concentration was less than 0.5 mg/L (detection limit) and total chromium measured 844 mg/kg. Two additional stockpile samples, S-CT31 and S-CT32, were collected on March 23 and March 26, respectively, and analyzed for EP Toxicity and total chromium. Sample S-CT31 results were 2.29 mg/L (EP Toxicity) and 78.0 mg/kg (total) chromium. Sample S-CT32 results were 1.44 mg/L (EP Toxicity) and 51.5 mg/kg (total) chromium (Table 2).

Step 3

Ten soil samples, S-CT20 thru S-CT29, were collected on March 13, 1990 and analyzed for confirmation of the Step 3 excavation (Figure 4, Table 1). All samples were analyzed for EP Toxicity and total chromium. Composite wall samples were collected from each wall at depths of 8 feet and 15 feet. The eight wall sample EP Toxicity results ranged from less than 1.0 mg/L up to 1.6 mg/L and total chromium ranged from 8.2 mg/kg to 61.0 mg/kg. Two floor samples, S-CT22 and S-CT27 were collected at depths of 18 and 19 feet. EP Toxicity results were less than 1.0 mg/L for both samples. Total chromium results were 15.0 mg/kg (S-CT22) and 5.7 mg/kg(S-CT27).

A total of 717 cubic yards of soil were excavated in Step 3. Three stockpile samples, S-CT18, S-CT19 and S-CT30, were collected on March 13. The samples were analyzed for EP Toxicity and total chromium (Table 2). EP Toxicity results were less than 1.0 mg/L for all three samples. Total chromium ranged from 33 to 61 mg/kg for the Step 3 stockpile soils.

Angle Borings

A total of 41 soil boring samples were collected from borings (BD-1 thru BD-8) during March 27-29 and June 26-29, 1990 and analyzed for EP Toxicity and total chromium (Table 3). Total chromium results ranged from less than laboratory detection limits of 5 mg/kg to a high of 76.8 mg/kg. EP Toxicity chromium results ranged from less than 0.30 mg/L (detection limit) to a high 8.90 mg/L. EP Toxicity chromium concentrations greater than 5 mg/L were found in borings BD-1 and BD-5. Samples BD-1 (27-32') and BD-5 (39-44') had EP Toxicity chromium concentrations of 6.60-8.90 and 6.48 mg/L, respectively. The locations of BD-1 (27-32') and BD-5 (39-44') are shown in Figure 5. The results of the chemical analyses can be found in Table 3. Additional excavation was conducted in Step 4 based on these sample results.

Step 4

A total of eight grab soil samples were collected from September 11 to October 4, 1990 and analyzed for EP Toxicity, TCLP and total chromium for confirmation of the Step 4 excavation (Figure 5, Table 1). Confirmation samples, S-CT36 and S-CT37 were collected on September 11 after excavation in the area of BD-1. S-CT36 results were 4.0 mg/L (EP Toxicity), 3.12 mg/L (TCLP) and 38 mg/kg (total) chromium. S-CT37 results were 4.1 mg/L (EP Toxicity), 2.46 mg/L (TCLP) and 51.5 mg/kg (total) chromium. Samples S-CT39 and S-CT40 were collected on September 15 after excavating around BD-6. S-CT39 results were 3.76 mg/L (EP Toxicity) and 3.73 mg/L (TCLP). S-CT40 results were 1.91 mg/L (EP Toxicity) and 1.42 mg/L (TCLP) chromium. Total chromium concentrations for S-CT39 and S-CT40 were 10 mg/kg and 25 mg/kg, respectively. Samples S-CT41 and S-CT42 were collected on September 19 after excavating down to a zone approximately 1 foot above BD-5 soils with EP Toxicity chromium concentrations greater than 5 mg/L. S-CT41 results were 4.21 mg/L (EP Toxicity) and 2.50 mg/L (TCLP) chromium. S-CT42 results were 3.58 mg/L (EP Toxicity) and 2.15 mg/L (TCLP) chromium. On October 4, 1990, final confirmation samples S-CT45 and S-CT46 were collected below BD-5 after excavation of the soils with

EP Toxicity chromium concentrations greater than 5 mg/L. Sample S-CT45 results were 0.14 mg/L (EP Toxicity), less than 0.05 mg/L (TCLP) and less than 5 mg/kg (total) chromium. Sample S-CT46 results were 0.32 mg/L (EP Toxicity), less than 0.05 mg/L (TCLP) and less than 5 mg/kg (total) chromium.

A total of 62 cubic yards of Step 4 soils were excavated. Four stockpile samples, S-CT35, S-CT38, S-CT43 and S-CT44 were collected on September 11-12 and 19, and October 4, 1990. The stockpile samples were analyzed for EP Toxicity and TCLP chromium (Table 2). The EP Toxicity results ranged from less than 0.1 mg/L up to 1.87 mg/L chromium. The TCLP results ranged from 0.16 mg/L to 1.68 mg/L.

Backfill Operations

Backfilling operations began on October 5, 1990 and were completed on October 10, 1990. The Step 4 excavation beneath the cooling tower was filled with concrete. Shoring was removed and the Step 3 excavation was backfilled with clean fill from a borrow pit located southwest of the site. The fill was brought up to within 2 feet of the original grade. The Step 2 shallow excavation was backfilled to original grade. A one foot layer of clay was placed over the Step 1 and 3 areas. A 30-mil synthetic liner was placed over the clay (Photograph 10). Another one foot of clay was placed over the liner. Six inches of caliche pavement were placed over the clay (Photograph 11). The cap measured 25 feet by 25 feet along the east side and 60 feet by 80 feet along the north side of the cooling tower.

Soil Disposal

Excavated soils from Steps 2, 3 and 4 were characterized as non-hazardous chromium contaminated soils and written approval was received from the New Mexico EID for disposal of the soils at the Rio Rancho sanitary landfill located near Albuquerque, New Mexico (Appendix G). TAD Trucking of Hobbs, New Mexico, loaded and transported 1,380 cubic yards of non-hazardous Steps 2, 3 and 4 soils during the periods of March 20-22,

April 13-16 and October 9, 1990 to the Rio Rancho sanitary landfill (Photograph 12). Non-hazardous Special Waste Manifests are in Appendix G.

Step 1 excavated soils were transported off-site for disposal to Chemical Waste Management's Carlyss, Louisiana disposal facility on April 20, 1990. TAD Trucking of Hobbs, New Mexico, loaded and transported 77 cubic yards of hazardous Step 1 soils to this CWMI facility. Uniform Hazardous Waste Manifests for the Step 1 soils are in Appendix G.

EP Toxicity values for the stockpile composite samples ranged from less than laboratory detection limits of 0.1 mg/L to a high of 2.29 mg/L chromium. Total chromium values ranged from 19 mg/kg to 844 mg/kg. Step 4 stockpile soils TCLP chromium results ranged from 0.16 to 1.68 mg/L. A summary of soil stockpile analyses can be found in Table 2.

CONCLUSIONS

The remedial activities at the Lea Refinery cooling tower are completed. The remedial plan of August 1989 was expanded to include the removal of chromium impacted soils beneath the tower. These soils were delineated in an angle hole drilling program which involved the installation of eight boreholes beneath the tower.

All identified soils containing levels of EP Toxicity chrome above 5 mg/L were removed from beneath and around the cooling tower. Additional soils containing non-hazardous levels of chrome were also removed. Extensive sampling of the deep soils remaining beneath the cooling tower indicated no total chromium levels above 38 mg/kg. One shallow soil confirmation sample, S-CT23, measured 61 mg/kg total chromium. This sample was collected from a well-indurated caliche zone along the south face of the Step 3 excavation at a depth of 8 feet. These soils could not be removed without risking damage to the tower structure and the safety of the workers in the excavation.

A cap was installed over the area of the excavation and the surface pavement sloped away from the cooling tower. This cap should effectively prevent the subsurface infiltration of rainfall in the area of the tower.

All excavated soils were transported from the site and properly disposed of in approved landfills.

Respectfully submitted,

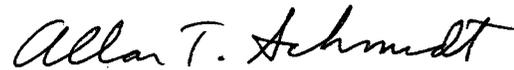
GERAGHTY & MILLER, INC.



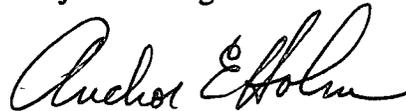
Steve Maryn
Geologist



Steven P. Tischer
Staff Geologist



Allan T. Schmidt
Project Manager



Anchor E. Holm, P. E.
Office Manager/Associate

ATS/clb

FIGURES

DRAFTER:

MGR.:

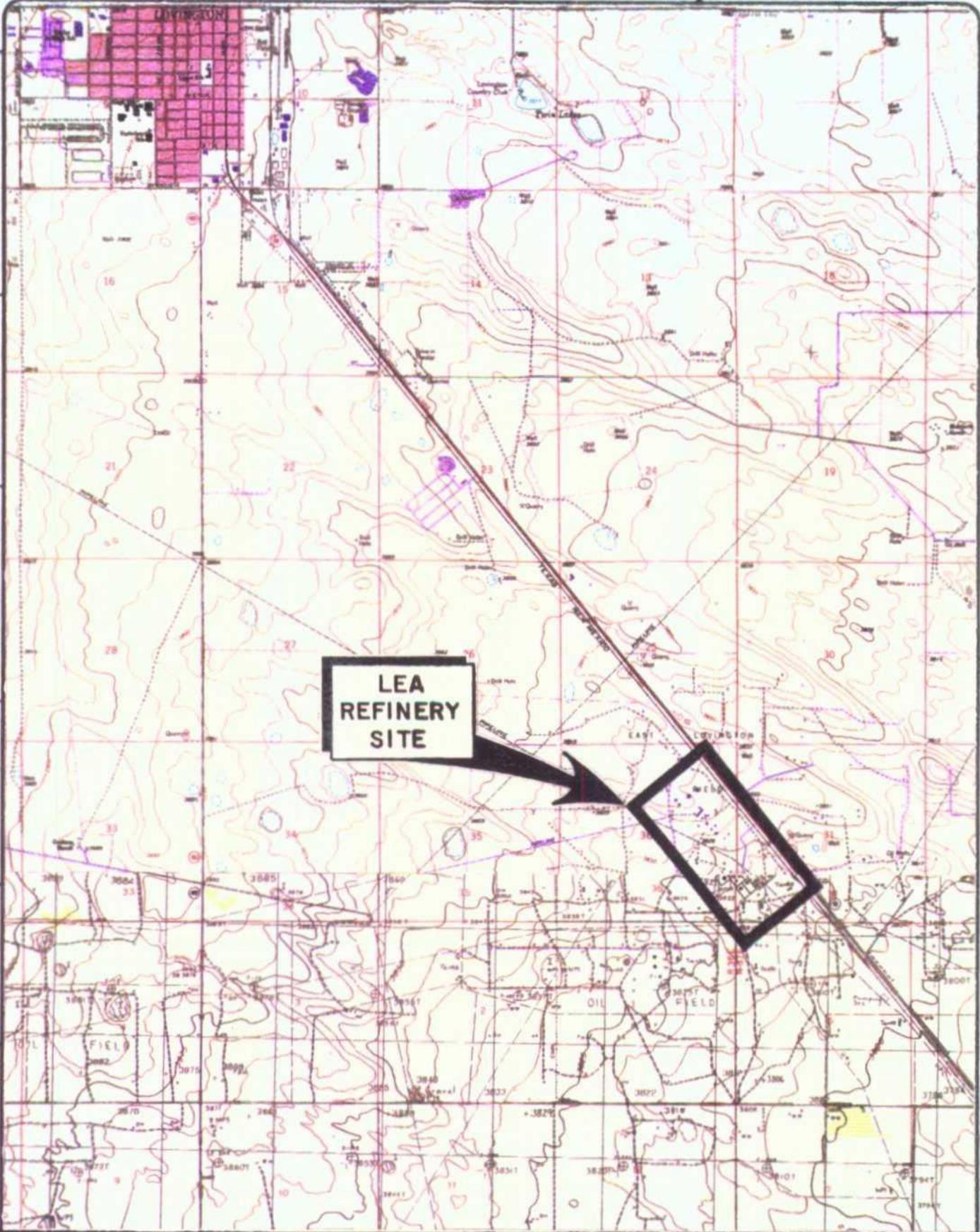
COMPLIER:

CAD FILE: NON-CAD

FILE NO.:

PRJCT. NO.:

DATE:



**LEA
REFINERY
SITE**



**GERAGHTY
& MILLER, INC.**
Environmental Services

**LEA REFINERY SITE
LOCATION MAP**

FIGURE
1

SOUTHERN UNION COMPANY LEA COUNTY, NEW MEXICO



DRAFTER: R.A.C.

MGR.: A. Schmidt

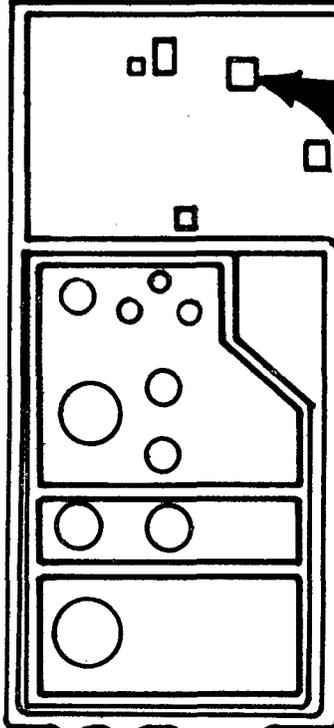
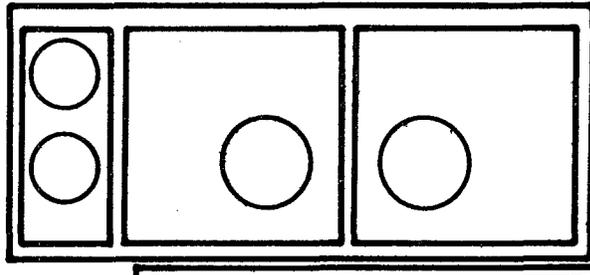
COMPILER: S. Maryn

CAD FILE: NON-CAD

FILE NO.:

PRJCT. NO.: CC032.01

DATE: 10/90



COOLING TOWER

OFFICE

PLANT ENTRANCE

TEXAS & NEW MEXICO RAILROAD

STATE HIGHWAY 18



SCALE
10 / 90



GERAGHTY
& MILLER, INC.
Environmental Services

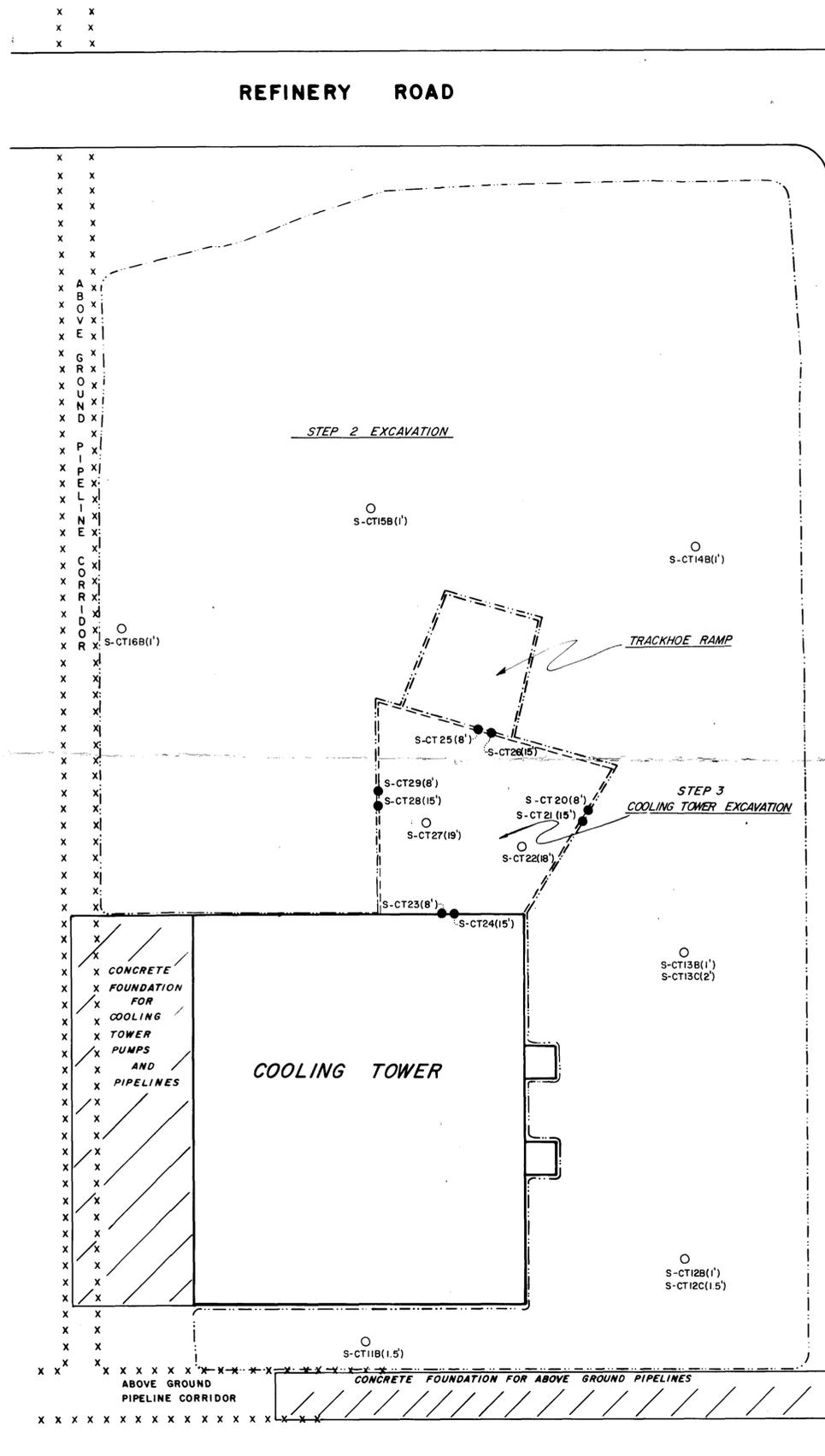
SOUTHERN UNION COMPANY

LEA REFINERY SITE PLAN (Northern Half)

LEA COUNTY, NEW MEXICO

FIGURE

2



SOIL ANALYTICAL DATA

STEP 2 EXCAVATION CONFIRMATION

DATE SAMPLED	SAMPLE I.D.	SAMPLE DEPTH ft.	EP TOX mg/L	CHROMIUM		TOTAL mg/kg
				TCLP mg/L		
03-19-90	S-CT11B	1.5	<0.1	--		18
03-19-90	S-CT12B	1	<0.1	--		26
03-19-90	S-CT13B	1	<0.1	--		36
03-19-90	S-CT14B	1	<0.1	--		19
03-19-90	S-CT15B	1	<0.1	--		18
03-19-90	S-CT16B	1	<0.1	--		25
03-26-90	S-CT12C	1.5	--	--		17.7
03-26-90	S-CT13C	2	--	--		22.0

STEP 3 EXCAVATION CONFIRMATION

DATE SAMPLED	SAMPLE I.D.	SAMPLE DEPTH ft.	EP TOX mg/L	CHROMIUM		TOTAL mg/kg
				TCLP mg/L		
03-13-90	S-CT20	8	<1.0	--		8.2
03-13-90	S-CT21	15	<1.0	--		9.6
03-13-90	S-CT22	18	<1.0	--		61
03-13-90	S-CT23	8	<1.0	--		52
03-13-90	S-CT24	15	1.6	--		16
03-13-90	S-CT25	8	<0.1	--		3.2
03-13-90	S-CT26	15	<0.1	--		5.7
03-13-90	S-CT27	19	<0.1	--		23
03-13-90	S-CT28	15	<0.1	--		25
03-13-90	S-CT29	8	<0.1	--		

LEGEND

- STEP 2 EXCAVATION (MAXIMUM DEPTH 2 FEET)
- STEP 3 EXCAVATION (MAXIMUM DEPTH 19 FEET)
- SOIL SAMPLE (FLOOR SAMPLE WITH DEPTH INDICATED)
- SOIL SAMPLE (WALL SAMPLE WITH DEPTH INDICATED)

SCALE 0 10'

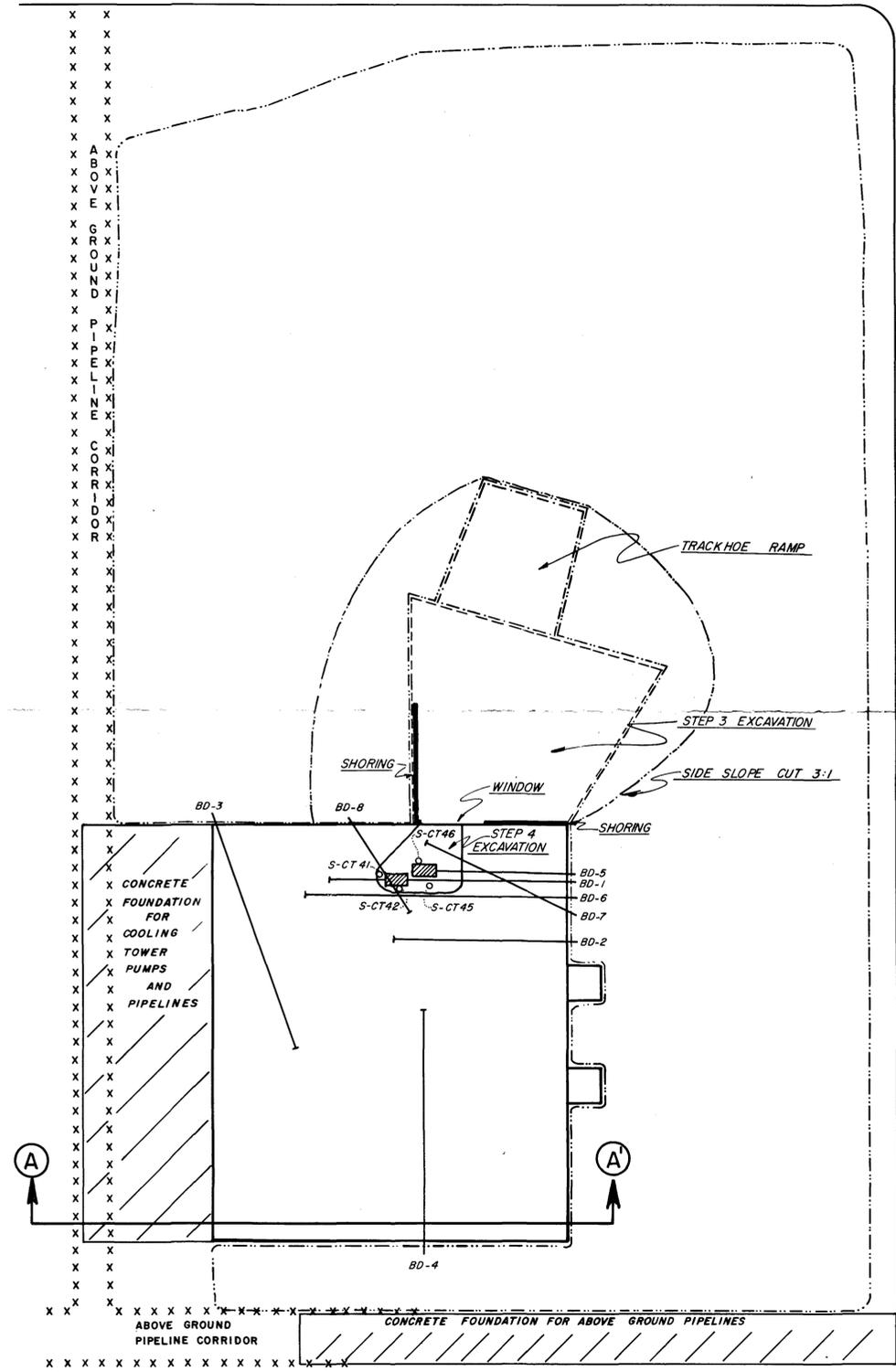


LEA REFINERY COOLING TOWER
STEPS 2 & 3 (3-23-90)



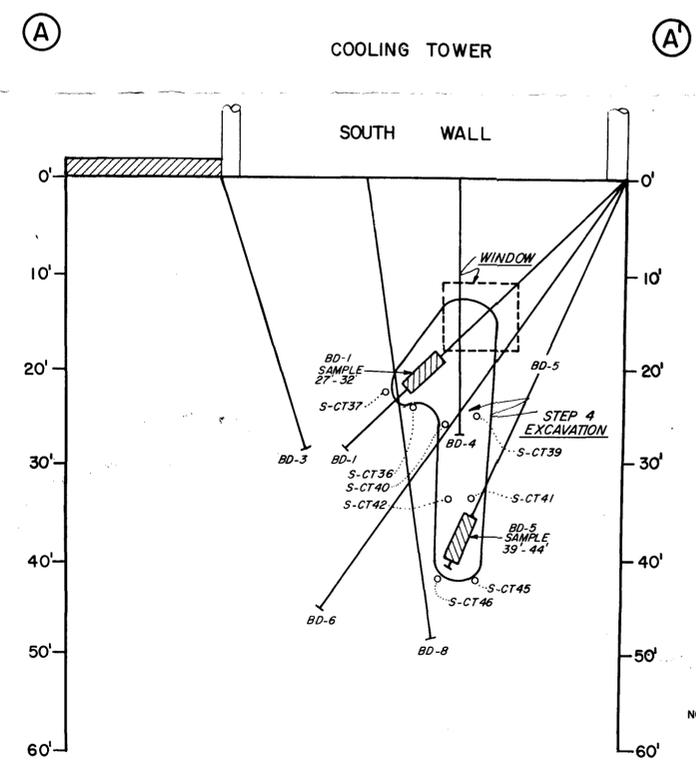
REFINERY ROAD

REFINERY ROAD



LEGEND

- STEP 2 EXCAVATION
- STEP 3 EXCAVATION
- 3:1 SLOPE CUT
- ▨ SOIL SAMPLE, EP TOX >5 mg/L



PROJECTED CROSS-SECTION

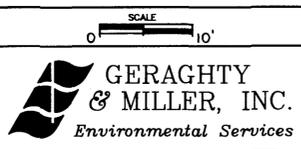
SOIL ANALYTICAL DATA
ANGLE BORINGS

DATE SAMPLED	SAMPLE I. D.	BOREHOLE INTERVAL ft.	VERTICAL DEPTH ft.	CHROMIUM		TOTAL mg/kg
				EP TOX mg/L	TCLP mg/L	
03-27-90	BD-1	0-5	0-3.5	0.28	--	15.4
03-27-90	BD-1	7-12	5-8.5	0.17	--	9.1
03-27-90	BD-1	17-22	12-15.6	2.75	--	33.2
03-27-90	BD-1	22-27	15.6-19.1	2.04	--	23.9
03-27-90	BD-1	27-32	19.1-22.6	6.60	--	76.8
03-27-90	BD-1	32-37	19.1-26.2	0.082	--	25.53
03-27-90	BD-1	37-40	26.2-28.3	2.1	--	26.17
03-27-90	BD-2	0-5	0-3.5	0.22	--	10.32
03-28-90	BD-2	7-12	5-8.5	0.18	--	7.36
03-28-90	BD-2	17-22	12-15.6	0.23	--	16.91
03-28-90	BD-2	27-30	19.1-21.2	0.16	--	26.76
03-28-90	BD-3	5-10	3.5-7.1	0.31	--	11.96
03-28-90	BD-3	15-20	10.6-14.1	0.20	--	5.46
03-28-90	BD-3	25-30	17.7-21.2	0.21	--	<5.0
03-28-90	BD-3	35-40	24.8-28.3	0.124	--	5.55
03-29-90	BD-4	6-9	4.2-6.4	1.25	--	7.92
03-29-90	BD-4	14-18	9.9-12.7	0.32	--	6.29
03-29-90	BD-4	23-28	16.3-19.8	0.19	--	<5
03-29-90	BD-4	33-38	23.3-26.9	1.43	--	17.29
06-29-90	BD-5	14-19	12.7-17.2	0.74	--	<10.00
06-29-90	BD-5	24-29	21.8-26.3	2.06	--	13.99
06-29-90	BD-5	29-34	26.3-30.8	3.44	--	37.76
06-26-90	BD-5	39-44	35.4-39.9	6.48	--	59.36
06-26-90	BD-6	5-10	4.1-8.2	0.56	--	11.40
06-26-90	BD-6	15-20	12.3-16.4	1.04	--	10.19
06-26-90	BD-6	20-25	16.4-20.5	0.96	--	10.83
06-26-90	BD-6	25-30	20.5-24.6	4.02	--	21.91
06-26-90	BD-6	30-35	24.6-28.7	2.86	--	26.65
06-27-90	BD-6	40-45	32.8-36.9	0.99	--	<10.00
06-27-90	BD-6	50-55	41-45	0.36	--	<10.00
06-27-90	BD-7	20-25	18.1-22.7	1.23	--	<5.00
06-27-90	BD-7	25-30	22.7-27.2	1.47	--	34.3
06-27-90	BD-7	30-35	27.2-31.7	0.69	--	6.88
06-27-90	BD-7	40-45	36.2-40.8	4.09	--	34.6
06-27-90	BD-8	0-5	0-4.8	0.76	--	26.5
06-27-90	BD-8	5-10	4.8-9.7	<0.30	--	10.66
06-28-90	BD-8	15-20	14.5-19.3	0.60	--	<5.00
06-28-90	BD-8	20-25	19.3-24.2	0.64	--	<5.00
06-28-90	BD-8	25-30	24.2-29	1.14	--	15.8
06-28-90	BD-8	35-40	33.8-38.6	1.66	--	11.2
06-28-90	BD-8	45-50	43.5-48.3	<0.30	--	<5.0

SOIL ANALYTICAL DATA
STEP 4 - EXCAVATION CONFIRMATION

DATE SAMPLED	SAMPLE I. D.	SAMPLE DEPTH ft.	CHROMIUM		TOTAL mg/kg
			EP TOX mg/L	TCLP mg/L	
09-11-90	S-CT36	26	4.0	3.12	38
09-11-90	S-CT37	26	4.1	2.46	34
09-15-90	S-CT39	25	3.76	3.73	10
09-15-90	S-CT40	26	1.91	1.42	25
09-19-90	S-CT41	35	4.21	2.50	--
09-19-90	S-CT42	35	3.58	2.15	--
10-04-90	S-CT45	42	0.14	<0.05	<5
10-04-90	S-CT46	42	0.32	<0.05	<5

NOTE: BD-2 AND BD-7 ARE APPROX. COINCIDENT WITH BD-1 AND BD-5 RESPECTIVELY ON ELEVATION VIEW.



LEA REFINERY COOLING TOWER
STEPS 3 & 4 (10-4-90)

SOUTHERN UNION COMPANY

LEA COUNTY, NEW MEXICO

TABLES

TABLE 1

SOIL CONFIRMATION ANALYSES

DATE SAMPLED	SAMPLE I.D.	TYPE/DEFINITION	STEP LOCATION	BELOW GROUND	CHROMIUM		TOTAL
				LEVEL DEPTH (ft.)	EP TOX	TCLP	
02-12-90	S-CT-1	CONFIRMATION	1	2	<1	--	<20
03-07-90	S-CT-2	CONFIRMATION	1	3	<1	--	37
03-08-90	S-CT-3	CONFIRMATION	1	3.5	1.3	--	--
03-08-90	S-CT-4	CONFIRMATION	1	2	<1	--	--
03-08-90	S-CT-5	CONFIRMATION	1	2.5	<1	--	--
03-08-90	S-CT-6	CONFIRMATION	1	1.5	<1	--	--
03-08-90	S-CT-7	CONFIRMATION	1	2	<1	--	--
03-08-90	S-CT-8	CONFIRMATION	1	3	<1	--	--
03-08-90	S-CT-9	CONFIRMATION	1	1	1.5	--	--
03-08-90	S-CT-10	CONFIRMATION	1	1	<1	--	--
03-09-90	S-CT-11	CONFIRMATION	2	0.8	--	--	57
03-19-90	S-CT-11B	CONFIRMATION	2	1.5	<0.1	--	18
03-09-90	S-CT-12	CONFIRMATION	2	0.7	--	--	122
03-19-90	S-CT-12B	CONFIRMATION	2	1	<0.1	--	26
03-26-90	S-CT-12C	CONFIRMATION	2	1.5	--	--	17.7
03-09-90	S-CT-13	CONFIRMATION	2	0.7	--	--	261
03-19-90	S-CT-13B	CONFIRMATION	2	1	<0.1	--	36
03-26-90	S-CT-13C	CONFIRMATION	2	2	--	--	22.0
03-09-90	S-CT-14	CONFIRMATION	2	0.7	--	--	404
03-19-90	S-CT-14B	CONFIRMATION	2	1	<0.1	--	19
03-09-90	S-CT-15	CONFIRMATION	2	0.5	--	--	102
03-19-90	S-CT-15B	CONFIRMATION	2	1	<0.1	--	18
03-09-90	S-CT-16	CONFIRMATION	2	0.5	--	--	58
03-19-90	S-CT-16B	CONFIRMATION	2	1	<0.1	--	25
03-13-90	S-CT-20	CONFIRMATION	3	8	<1.0	--	8.2
03-13-90	S-CT-21	CONFIRMATION	3	15	<1.0	--	9.6
03-13-90	S-CT-22	CONFIRMATION	3	20	<1.0	--	15
03-13-90	S-CT-23	CONFIRMATION	3	8	<1.0	--	61
03-13-90	S-CT-24	CONFIRMATION	3	15	1.6	--	52
03-13-90	S-CT-25	CONFIRMATION	3	8	<1.0	--	16
03-13-90	S-CT-26	CONFIRMATION	3	15	<1.0	--	3.2
03-13-90	S-CT-27	CONFIRMATION	3	21	<1.0	--	5.7
03-13-90	S-CT-28	CONFIRMATION	3	15	<1.0	--	23
03-13-90	S-CT-29	CONFIRMATION	3	8	<1.0	--	25

TABLE 1

SOIL CONFIRMATION ANALYSES

DATE SAMPLED	SAMPLE I.D.	TYPE/DEFINITION	STEP LOCATION	BELOW GROUND LEVEL DEPTH (ft.)	CHROMIUM		TOTAL
					EP TOX	TCLP	
09-11-90	S-CT-36	CONFIRMATION/FOR BD-1	4	26	4.0	3.12	38
09-11-90	S-CT-37	CONFIRMATION/FOR BD-1	4	26	4.1	2.46	34
09-15-90	S-CT-39	CONFIRMATION/FOR BD-6	4	25	3.76	3.73	10
09-15-90	S-CT-40	CONFIRMATION/FOR BD-6	4	26	1.91	1.42	25
09-19-90	S-CT-41	CONFIRMATION/ABOVE BD-5	4	35	4.21	2.50	--
09-19-90	S-CT-42	CONFIRMATION/ABOVE BD-5	4	35	3.58	2.15	--
10-04-90	S-CT-45	CONFIRMATION/FOR BD-5	4	42	0.14	<0.05	<5
10-04-90	S-CT-46	CONFIRMATION/FOR BD-5	4	42	0.32	<0.05	<5

- 1 - STEP 1 EXCAVATION
- 2 - STEP 2 EXCAVATION
- 3 - STEP 3 EXCAVATION
- 4 - STEP 4 EXCAVATION

TABLE 2

SOIL STOCKPILE CHEMICAL ANALYSES

DATE SAMPLED	SAMPLE I.D.	TYPE/DEFINITION	STEP LOCATION	BELOW GROUND	CHROMIUM		TOTAL
				LEVEL DEPTH (ft.)	EP TOX	TCLP	
03-13-90	S-CT-17	STOCKPILE	2	NA	<0.5	--	844
03-23-90	S-CT-31	STOCKPILE/B-SAMPLES	2	NA	2.29	--	78.0
03-26-90	S-CT-32	STOCKPILE/C-SAMPLES	2	NA	1.44	--	51.5
03-13-90	S-CT-18	STOCKPILE	3	NA	<1.0	--	61
03-13-90	S-CT-19	STOCKPILE	3	NA	<1.0	--	19
03-13-90	S-CT-30	STOCKPILE	3	NA	<1.0	--	33
09-11-90	S-CT-35	STOCKPILE/FOR BORING CUTTINGS	4	NA	<0.1	0.25	--
09-12-90	S-CT-38	STOCKPILE/FOR BD-1 & BD-6	4	NA	1.87	1.68	--
09-19-90	S-CT-43	STOCKPILE/ABOVE BD-5	4	NA	1.58	0.09	--
10-04-90	S-CT-44	STOCKPILE/FOR BD-5	4	NA	0.32	0.16	--

- 1 - STEP 1 EXCAVATION
- 2 - STEP 2 EXCAVATION
- 3 - STEP 3 EXCAVATION
- 4 - STEP 4 EXCAVATION

TABLE 3

SOIL BORING CHEMICAL ANALYSES

DATE SAMPLED	SAMPLE I.D.	SAMPLE INTERVAL (along borehole) ft.	SAMPLE DEPTH ft.	CHROMIUM		TOTAL mg/kg
				EP TOX mg/L	TCLP mg/L	
03-27-90	BD-1	0-5	0-3.5	0.28	--	15.4
03-27-90	BD-1	7-12	5-8.5	0.17	--	9.1
03-27-90	BD-1	17-22	12-15.6	2.75	--	33.2
03-27-90	BD-1	22-27	15.6-19.1	2.04	--	23.9
03-27-90	BD-1	27-32	19.1-22.6	6.60	--	76.8
03-27-90	BD-1	32-37	19.1-26.2	0.082	--	25.53
03-27-90	BD-1	37-40	26.2-28.3	2.1	--	26.17
03-27-90	BD-2	0-5	0-3.5	0.22	--	10.32
03-28-90	BD-2	7-12	5-8.5	0.18	--	7.36
03-28-90	BD-2	17-22	12-15.6	0.23	--	16.91
03-28-90	BD-2	27-30	19.1-21.2	0.16	--	26.76
03-28-90	BD-3	5-10	3.5-7.1	0.31	--	11.96
03-28-90	BD-3	15-20	10.6-14.1	0.20	--	5.46
03-28-90	BD-3	25-30	17.7-21.2	0.21	--	<5.0
03-28-90	BD-3	35-40	24.8-28.3	0.124	--	5.55
03-29-90	BD-4	6-9	4.2-6.4	1.25	--	7.92
03-29-90	BD-4	14-18	9.9-12.7	0.32	--	6.29
03-29-90	BD-4	23-28	16.3-19.8	0.19	--	<5
03-29-90	BD-4	33-38	23.3-26.9	1.43	--	17.29
06-29-90	BD-5	14-19	12.7-17.2	0.74	--	<10.00
06-29-90	BD-5	24-29	21.8-26.3	2.06	--	13.99
06-29-90	BD-5	29-34	26.3-30.8	3.44	--	37.76
06-26-90	BD-5	39-44	35.4-39.9	6.48	--	59.36
06-26-90	BD-6	5-10	4.1-8.2	0.56	--	11.40
06-26-90	BD-6	15-20	12.3-16.4	1.04	--	10.19
06-26-90	BD-6	20-25	16.4-20.5	0.96	--	10.83
06-26-90	BD-6	25-30	20.5-24.6	4.02	--	21.91
06-26-90	BD-6	30-35	24.6-28.7	2.86	--	26.65
06-27-90	BD-6	40-45	32.8-36.9	0.99	--	<10.00
06-27-90	BD-6	50-55	41-45	0.36	--	<10.00
06-27-90	BD-7	20-25	18.1-22.7	1.23	--	<5.00
06-27-90	BD-7	25-30	22.7-27.2	1.47	--	34.3
06-27-90	BD-7	30-35	27.2-31.7	0.69	--	6.88
06-27-90	BD-7	40-45	36.2-40.8	4.09	--	34.6

TABLE 3

SOIL BORING CHEMICAL ANALYSES

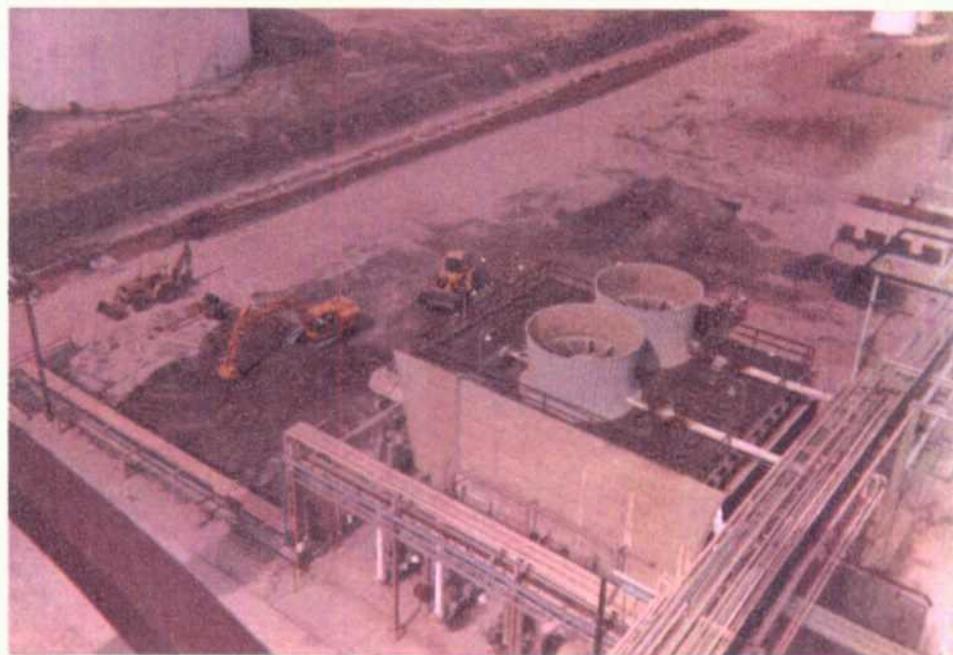
DATE SAMPLED	SAMPLE I.D.	SAMPLE INTERVAL (along borehole) ft.	SAMPLE DEPTH ft.	CHROMIUM		TOTAL mg/kg
				EP TOX mg/L	TCLP mg/L	
06-27-90	BD-8	0-5	0-4.8	0.76	--	26.5
06-27-90	BD-8	5-10	4.8-9.7	<0.30	--	10.66
06-28-90	BD-8	15-20	14.5-19.3	0.60	--	<5.00
06-28-90	BD-8	20-25	19.3-24.2	0.64	--	<5.00
06-28-90	BD-8	25-30	24.2-29	1.14	--	15.8
06-28-90	BD-8	35-40	33.8-38.6	1.66	--	11.2
06-28-90	BD-8	45-50	43.5-48.3	<0.30	--	<5.0

APPENDIX A

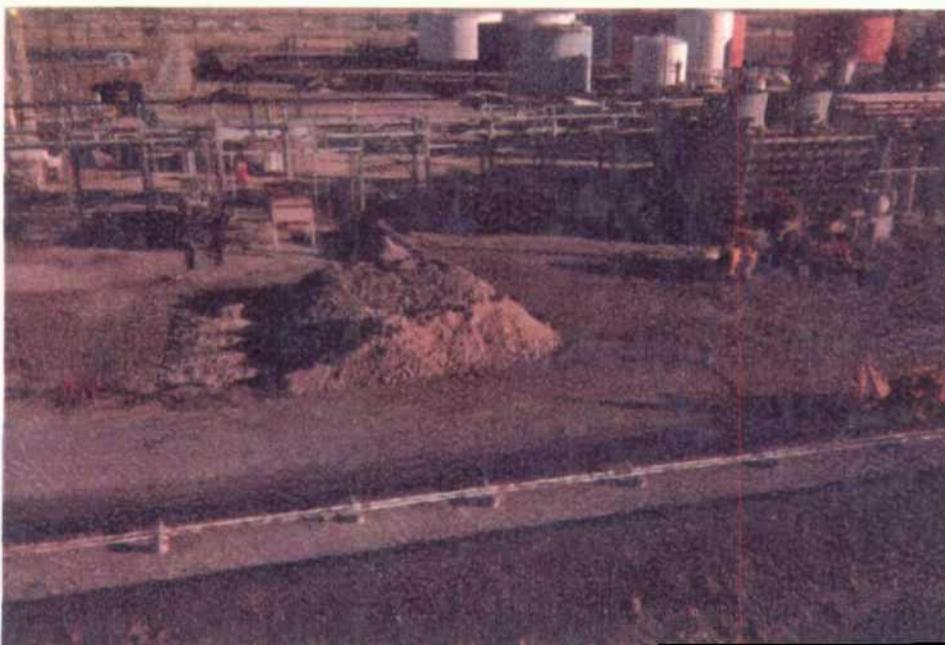
**APPENDIX A
PHOTOGRAPHS**



1.
STEP 1, EXCAVATION OF
STAINED SOILS ALONG
NORTH WALL.



2.
STEP 2, EXCAVATION, VIEW
NORTH.



3.
STEP 3, DEEP EXCAVATION,
STOCKPILED SOILS, VIEW
SOUTH.



4.
ANGLE BORING BD-1.

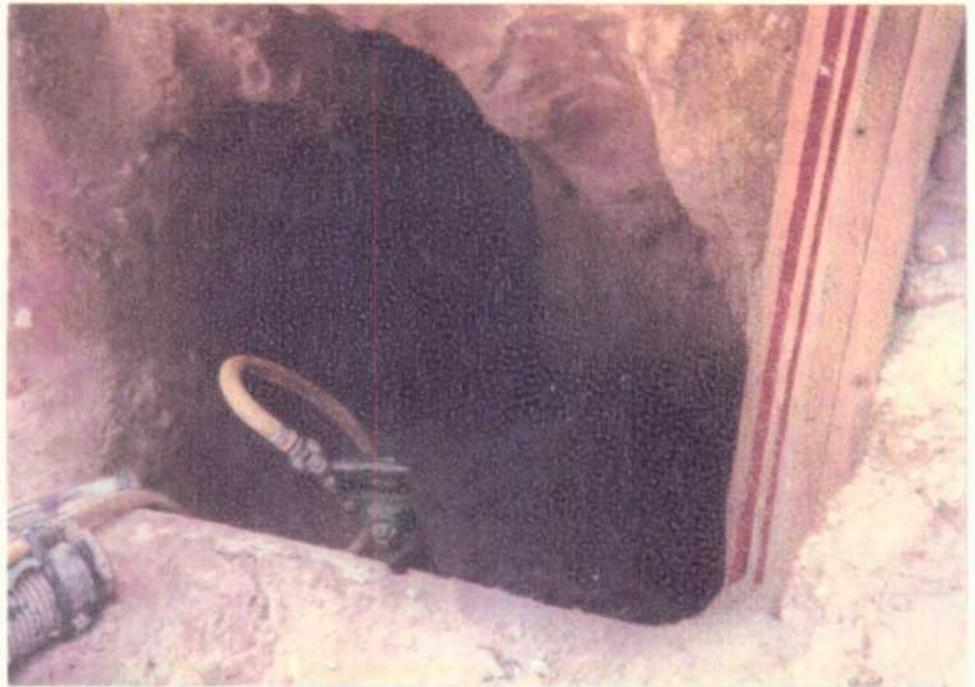
5.
STEPS 1, 2 & 3 COMPLETED,
STOCKPILED BACKFILL
MATERIAL, VIEW SOUTH.



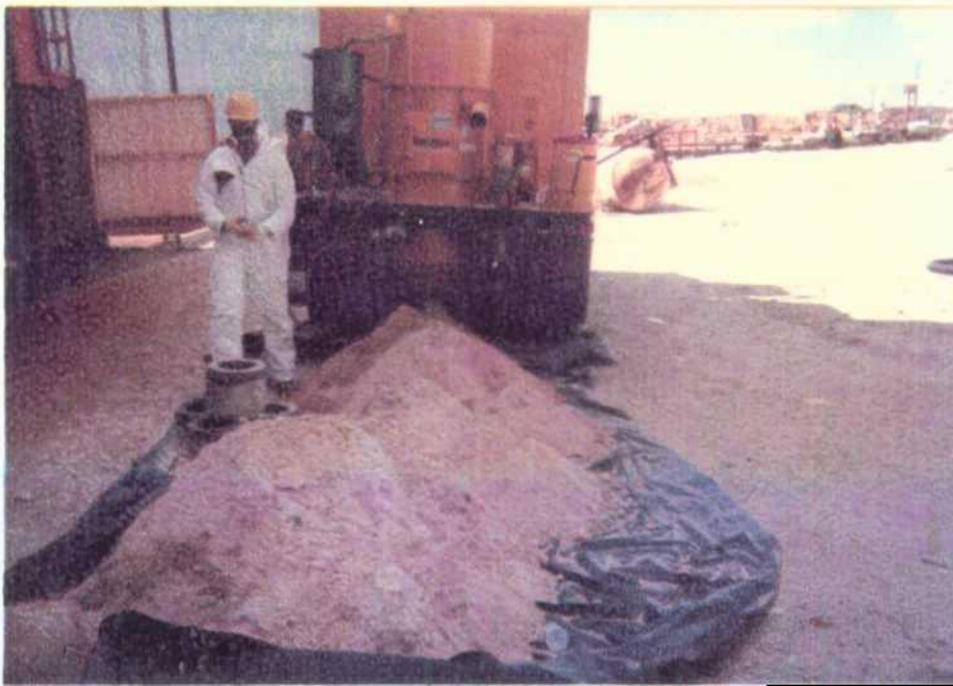
6.
SLOPE CUTS BEFORE SHORING
EXCAVATION, VIEW SOUTH.



7.
STEP 4, VACUUM EXTRACTION
OF SOILS, VIEW SOUTH.



8.
STEP 4, EXCAVATION ALONG
BOREHOLES.



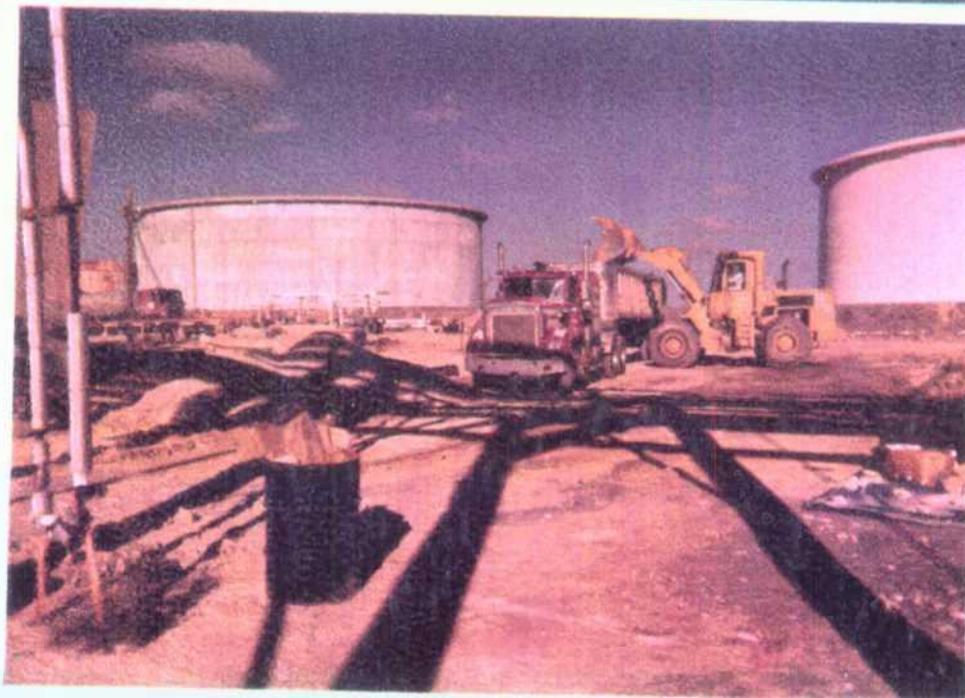
9.
STEP 4, SOIL STOCKPILE.



10.
INSTALLATION OF PVC AND
CLAY CAP, VIEW SOUTH.



11.
VIEW SOUTH, COMPLETED
CAP ALONG EAST AND
NORTH SIDES.

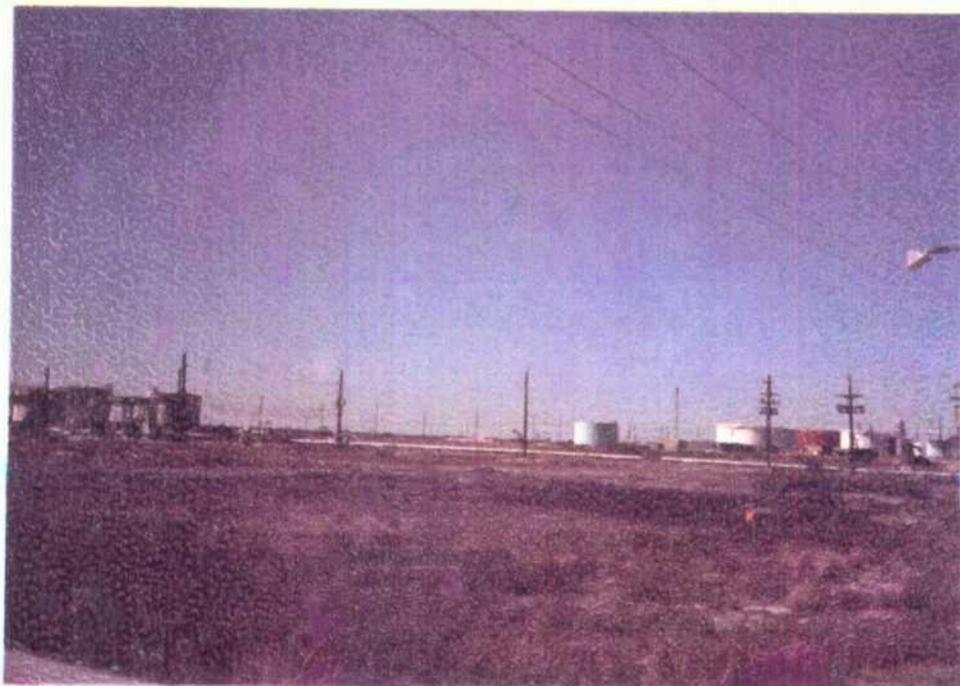
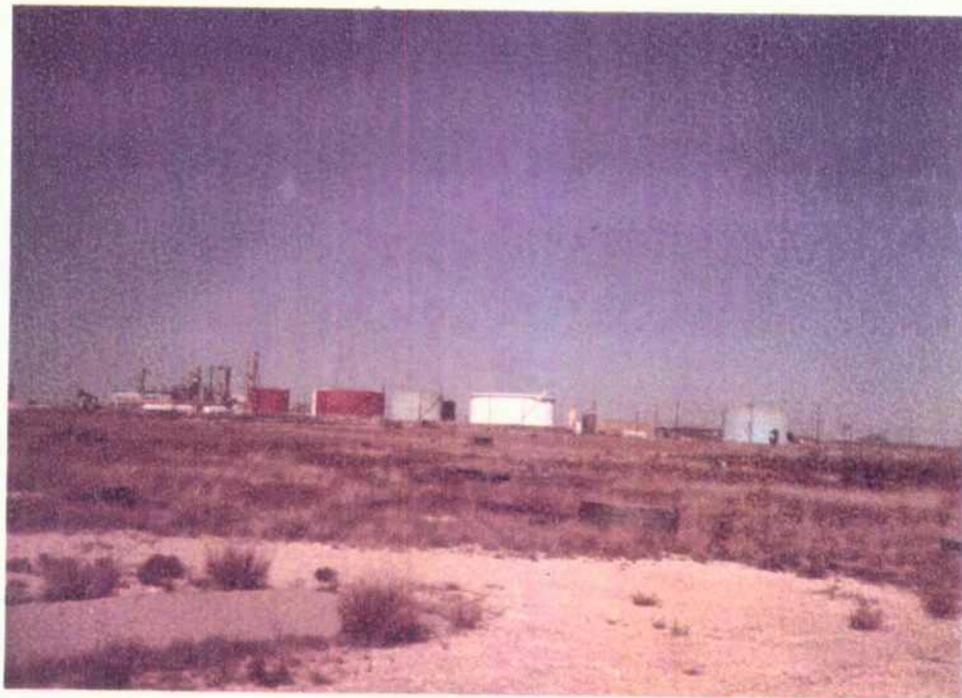


12.
LOADING OF SOIL FOR
TRANSPORT TO DISPOSAL
FACILITY.



13.
VIEW EAST FROM SOUTH
ENTRANCE TO LEA REFINERY.

14.
VIEW NORTHEAST OF
REFINERY FROM WESTERN
BOUNDARY OF THE PROPERTY.



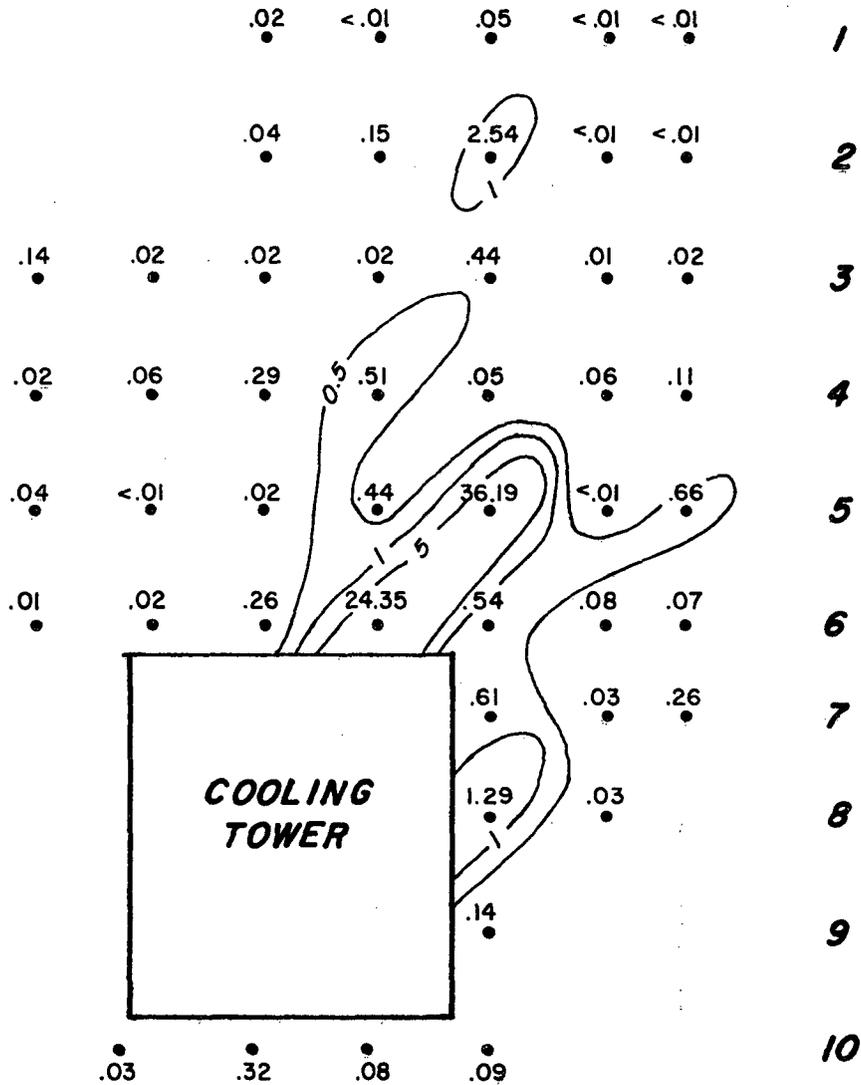
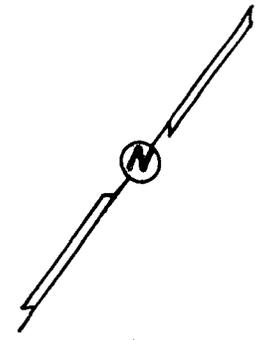
15.
VIEW NORTHWEST OF REFINERY
FROM THE SOUTHEAST CORNER
OF THE PROPERTY.

APPENDIX B

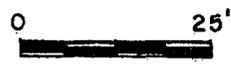
APPENDIX B
REMEDIAL PLAN FIGURES

COLUMNS

A B C D E F G



**COOLING
TOWER**



2.54 Value in mg/l.

LEA COUNTY, NEW MEXICO
SOUTHERN UNION COMPANY-LEA REFINERY
EP TOXICITY CHROMIUM CONCENTRATION
SURFACE SAMPLING



REED & ASSOCIATES, INC.
A Geraghty & Miller Company

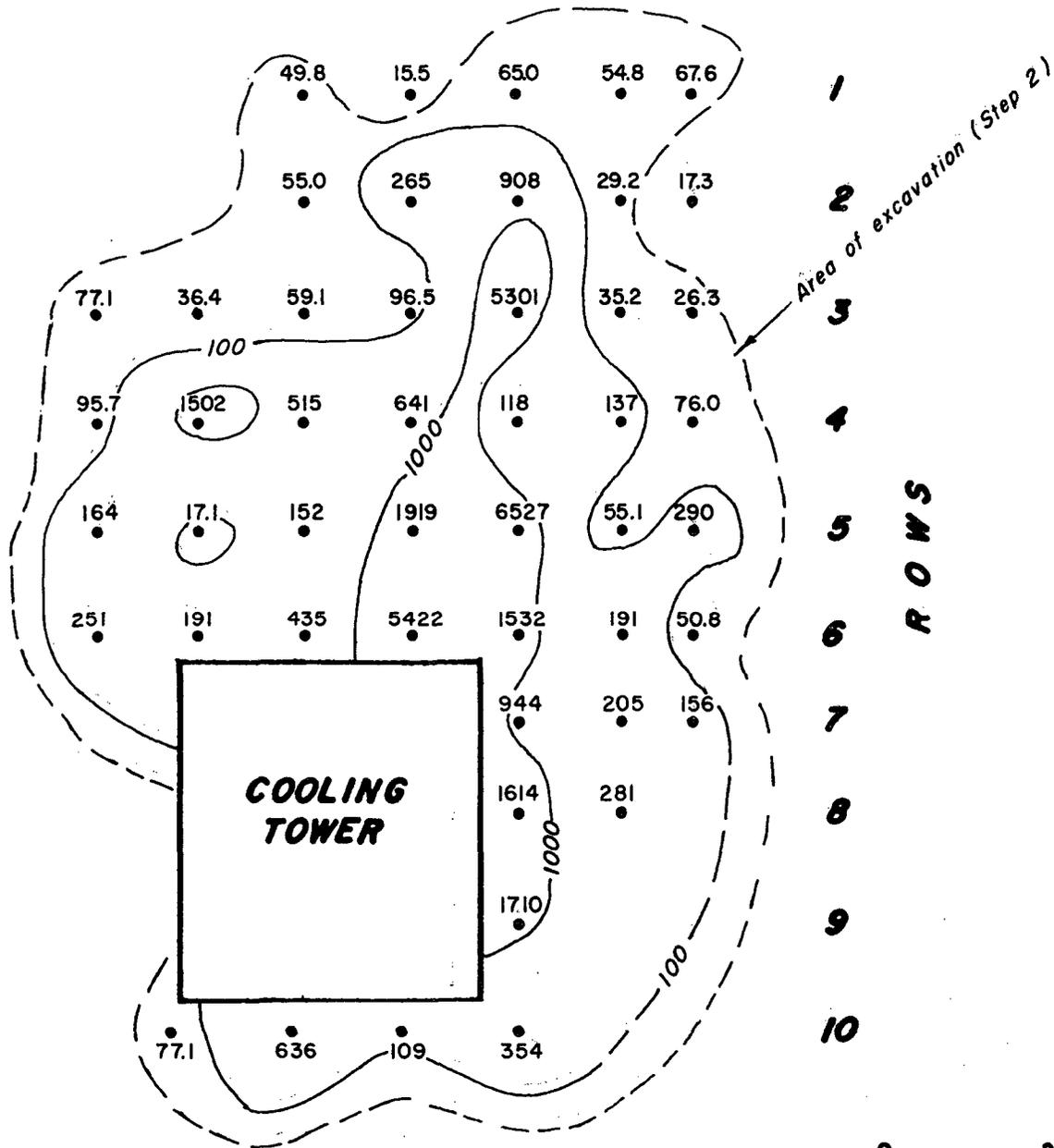
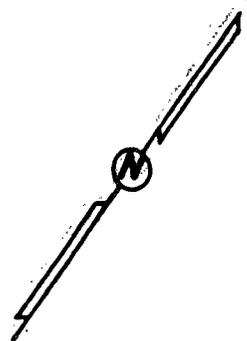
HYDROLOGISTS & ENVIRONMENTAL
CONSULTANTS

Date: 7-24-89

Figure: **3**

COLUMNS

A B C D E F G



1919 Value in ug/g

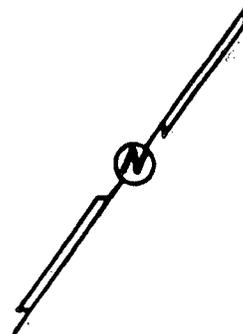
LEA COUNTY, NEW MEXICO
 SOUTHERN UNION COMPANY - LEA REFINERY
 TOTAL CHROMIUM CONCENTRATION MAP,
 SURFACE SAMPLING

REED & ASSOCIATES, INC.
 A Groggity & Miller Company
 HYDROLOGISTS & ENVIRONMENTAL
 CONSULTANTS

Date: 7-25-89 Figure: 4

COLUMNS

A B C D E F G



Depth (ft.)	Total Cr	Total Zn
2.5 - 3	5.9	1.3
5.5 - 6	7.5	6.1
10.5 - 11	41.9	5.7
15.5 - 16	10.7	3.5
20.5 - 21	40.2	17.9
25.5 - 26	6.7	5.9
30.5 - 31	3.7	4.8

Depth (ft.)	Total Cr	Total Zn
5.5 - 6	3.2	3.4
10.5 - 11	9	4.4
15.5 - 16	3.9	7.5
20.5 - 21	22.5	14.6
25.5 - 26	12.2	21.0
30.5 - 31	11.9	8.2

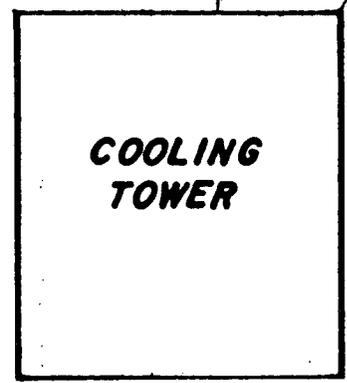
Depth (ft.)	Total Cr	Total Zn
2.5 - 3	109.3	405.9
6	38.3	10.6
11	40.9	3.5
15.5 - 16	38.2	2.3
20.5 - 21	46.9	24.8
25.5 - 26	6.5	7.7
30.5 - 31	10.0	4.7

Depth (ft.)	Total Cr	Total Zn
4-4.5	3.1	6.8
5.5-6	2.7	17.7
10.5-11	1.2	14.1
15.5-16	2.8	9.2
21.5-22	4.4	47.4
25.5-26	4.0	12.7
30.5-31	12.9	24.5

ROWS

1
2
3
4
5
6
7
8
9
10

Area of excavation (Step 3)



COOLING TOWER



LEA COUNTY, NEW MEXICO
 SOUTHERN UNION COMPANY - LEA REFINERY
 TOTAL CHROMIUM and ZINC
 CONCENTRATION MAP, SUBSURFACE SAMPLING

REED & ASSOCIATES, INC.
 A Searight & Miller Company
 HYDROLOGISTS & ENVIRONMENTAL
 CONSULTANTS

Date: 7-25-89 Figure: 6

APPENDIX C

**APPENDIX C
PERSONNEL HEALTH AND
SAFETY DOCUMENTS**



CHEMICAL WASTE MANAGEMENT INC.
ENVIRONMENTAL MANAGEMENT DEPARTMENT
APPROVAL PACKAGE

DIVISION NAME ENRAC-Denver

PACKAGE PREPARER NAME AND TITLE Larry Youngless/ Project Manager

CUSTOMER NAME Southern Union Gas Company

CUSTOMER ADDRESS Lovington, Texas , Highway 18

CUSTOMER CONTACT Russell Biss PHONE 409-962-8555

START DATE OF PROJECT _____ DURATION OF PROJECT _____

NAME AND TITLE OF PROJECT MANAGER ~~Larry Youngless~~ Bob Hulet

Project Manager

COMMENTS _____

APPROVED BY (PRINT NAME AND TITLE) Cheryl A. Grede

Env. H+S Mgr.

APPROVAL SIGNATURE Cheryl A. Grede

OTHER APPROVALS REQUIRED

PRINT NAME AND TITLE

SIGNATURE AND DATE



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PURPOSE

THIS DOCUMENT DEFINES THE HEALTH, SAFETY AND ENVIRONMENTAL CONSIDERATIONS FOR THE OFFSITE MANAGEMENT OF HAZARDOUS WASTES BY CHEMICAL WASTE MANAGEMENT PERSONNEL AND CONTRACTORS. THIS DOCUMENT IS REQUIRED BY CWM POLICIES AND PROCEDURES AND OSHA 29 CFR 1910.120. THE BASIC REQUIREMENTS FOR THE HEALTH AND SAFETY OF THE PROJECT WORKERS ARE DELINEATED IN THE CWM AND DIVISION HEALTH AND SAFETY PROCEDURES. ALL PERSONNEL ON SITE WILL BE INFORMED ABOUT THE PERTINENT SECTIONS OF THE EMD APPROVAL.

PROJECT STAFFING

TITLE

PROJECT MANAGER

NAME ~~Larry Youngless~~ Bob Hulet

OPERATIONS MANAGER

NAME Don Shosky

SITE SAFETY OFFICER(S)

NAME Larry Youngless

NAME _____

Operator

NAME ~~Carson Miricle~~ John Meier

Technician

NAME Shawn Noy

NAME _____

NAME _____

NAME _____

NAME _____

NAME _____

NAME _____

Overflow Pond, Mucke Back Area, and Tank Bottoms spots piles. Level B @ HNU Monitor with HNU. Upgrade if necessary to Level C.



I. SCOPE OF WORK

CHECK OFF APPROPRIATE CATEGORIES (MORE THAN ONE MAY APPLY)

- | | | | |
|----------------------------------|------------------------------|----------------------------------|------------------|
| <input type="radio"/> | TANK EXCAVATION | <input type="radio"/> | ONSITE TREATMENT |
| <input checked="" type="radio"/> | SOIL EXCAVATION | <input type="radio"/> | CONFINED SPACE |
| <input type="radio"/> | POND CLEANUP | <input type="radio"/> | ASBESTOS |
| <input type="radio"/> | BUILDING DECONTAMINATION | <input checked="" type="radio"/> | ONSITE STORAGE |
| <input type="radio"/> | EQUIPMENT DECONTAMINATION | <input type="radio"/> | CONSTRUCTION |
| <input type="radio"/> | DRUM SAMPLING AND MANAGEMENT | <input type="radio"/> | DEMOLITION |
| <input type="radio"/> | LAB PACK | <input type="radio"/> | OTHER _____ |
| <input type="radio"/> | EMERGENCY RESPONSE | | |

(BRIEF DESCRIPTION OF PROJECT INCLUDING TYPES OF MAJOR EQUIPMENT TO BE USED, QUANTITIES OF MATERIAL TO BE MANAGED, CONTAMINANTS, NUMBER OF SPECIFIC JOB LOCATIONS (IE. NUMBER OF TANKS, SUMPS, ETC.). DESCRIBE SPECIFIC WORK TASKS.

CVM - ENRAC will excavate and stockpile soils until samples are analyzed. The soils are currently profiled (#AMA02758) for disposal at Waste Management's East Oak Landfill in Oklahoma City, OK. Levels confirmed in profile samples will require modified level D P.P.E. for "non-contact" operations such as back hoe operations and truck drivers. Air will be monitored with HNU to determine if upgrading to level-C P.P.E. is necessary. Upon confirmation of stockpiled soil analysis, soils will be loaded onto end dumps and/or roll off containers for transportation to East Oak Landfill. All equipment will be deconed before leaving site.

Rio Rancho heavy
 The areas excavated will be backfilled to grade.

Rio Rancho Landfill

Level C for all operations associated with EP tox stream excavation

Haz Chem contain. to Lake Charles Facility

Level B all steps Monitor for upgrade in



SITE LAYOUT (INCLUDE COPY OF SITE MAP
INCLUDING OPERATING AREAS)



II. HAZARD EVALUATION *Overflow Pond, Caliche Pit, Truck Rack*

A. PHYSICAL HAZARDS (TRENCHES, UTILITIES, TERRAIN, ETC.)

- Heavy Equip
- Pipe rack near cooling H²O
- Excavations open excavations
- Slip, trip, fall
- OPEN HOLES

** B. CHEMICAL CONTAMINANTS AND CONCENTRATIONS (ATTACH A LIST TO PACKAGE IF NECESSARY)

NAME	CONC	TLV/PEL	ACTION LEVEL	MSDS AVAIL	HAZARDS
Benzene	1.2	10	.5ppm		
Tolvene	8.0	200ppm	200ppm		
Total Xylenes	43.0	100ppm	50ppm		
Nitrobenzene	1.6	1ppm	.5ppm		
Napthalene	3.3	10ppm	5ppm		
Ethylbenzene	21.0	100ppm	50ppm		
Chromium	33.7	1mg/m ³	.5ppm		
Cadmium	3.83	.2mg/m ³	any detection		
Nickel	7.48	1mg/m ³	.5ppm		

CARCINOGENS? YES NO
 IF YES, LIST Benzene, Cadmium, Nickel, Chromium

REGULATED MATERIALS? YES NO
 IF YES, LIST _____

WASTE PROFILE INCLUDED? YES NO
 IF NO, WHY? _____

** Contaminants identified at back filled separator pond (*overflow pond*)



II. HAZARD EVALUATION *Cooling Tower Wastes*

A. PHYSICAL HAZARDS (TRENCHES, UTILITIES, TERRAIN, ETC.)

open trenches _____
heavy equipment _____

** B. CHEMICAL CONTAMINANTS AND CONCENTRATIONS (ATTACH A LIST TO PACKAGE IF NECESSARY)

NAME	CONC	TLV/PEL	ACTION LEVEL	MSDS AVAIL	HAZARDS
Antimony	2.33	.5mg/m ³	any Detection		
Arsenic	19.60	10mg/m ³	.5ug/m ³		
Cadmium	4.83	1mg/m ³	.5ppm		
Chromium	5440.0	1mg/m ³	.5mg/m ³		
Copper	26.80	1mg/m ³	.5mg/m ³		
Lead	8.20	.05mg/m ³	any detection		
Nickel	5.40	1mg/m ³	.5mg/m ³		
Thallium	1.45	.1mg/m ³	.5mg/m ³		

CARCINOGENS? YES NO
 IF YES, LIST Arsenic, Cadmium, Chromium

REGULATED MATERIALS? YES NO
 IF YES, LIST _____

WASTE PROFILE INCLUDED? YES NO
 IF NO, WHY? _____

**Contaminants identified in cooling tower excavation site



TASK SPECIFIC HAZARDS

Heavy Equip

TASK Back Hoe Operation

1. Be aware of workers in area
2. Check before backing
3. be aware of overhead hazards
4. _____
5. _____
6. _____

TASK Laborer

1. Stay clear of heavy equipment traffic
2. stay clear of excavations
3. slip, trip, fall
4. _____
5. _____
6. _____

TASK _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

TASK _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

TASK _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



VII ENVIRONMENTAL SAMPLING

SAMPLING REQUIRED YES NO

AIR MONITORING

EQUIPMENT USED HNU Photo-ionization detector
METHODOLOGY Initial background survey upon commencement of excavation, periodically during excavation
(@ overflow pond, Celicte pit, Truck Rack)
CALIBRATION Daily before use

SOIL MONITORING

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____

OTHER Dreager Kit

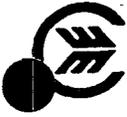
EQUIPMENT USED _____
METHODOLOGY If HNU picks up action level readings, dreager will be used for identification of contaminant

CALIBRATION Yes

OTHER

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____



VIII TRAINING

CWM CREW RECEIVED INITIAL 40 HOUR TRAINING YES NO
IF NO, WHY? _____

COPY OF CERTIFICATE ON FILE YES NO

ADDITIONAL TRAINING REQUIRED Trenching & Excavation and
Benzene standard

CREW RECEIVED SPECIAL TRAINING YES NO
IF NO, WHY? _____

LOCATION OF TRAINING FILES OSCO/Denver Fremont Ental

SUBCONTRACTOR RECEIVED REQUIRED TRAINING YES NO
IF NO, WHY? _____

ADDITIONAL INFORMATION _____

SAFETY BRIEFINGS ARE HELD EACH SHIFT
WHO CONDUCTS MEETINGS? Site Safety Officer / Project Manager
WHERE ARE RECORDS STORED? On site/Project Manager

IX MEDICAL REQUIREMENTS

ENTIRE CREW RECEIVED BASELINE PHYSICAL EXAMINATIONS
 YES NO

IF NO, WHY? _____

SPECIAL TESTS REQUIRED N/A

COMPLETE? YES NO

IF NO, WHY? _____

LOCATION OF MEDICAL FILES _____



CONTAMINATION CONTROL

- THE JOB SITE IS PARTITIONED INTO 3 DISTINCT WORK ZONES: CLEAN ZONE, CONTAMINATION REDUCTION ZONE AND THE EXCLUSION ZONE.
- WORKERS MAY ONLY ENTER AND EXIT FROM THE EXCLUSION ZONE VIA THE CONTAMINATION REDUCTION ZONE.
- ONLY AUTHORIZED PERSONNEL ARE ALLOWED TO ENTER THE EXCLUSION ZONE OR THE CONTAMINATION REDUCTION ZONE.
- ENCLOSURE 3 INCLUDES A SITE MAP DEFINING THE ZONES

DESCRIBE PERSONNEL DECONTAMINATION PROCEDURES (STEPOFF DIAGRAMS IN ENCLOSURE 4)

Determined by level of contamination. Site safety officer
will decide how extensive and what procedures are necessary.
See attachment

DESCRIBE EQUIPMENT DECONTAMINATION PROCEDURES

Wipe/brush off over containment area. wash off with H²O/soap
solution on pressure sprayer

HOW IS CONTAMINATED EQUIPMENT DISPOSED _____

In waste stream profiled for disposal

DESCRIBE STORAGE OF REUSABLE PROTECTIVE GEAR _____

Storage after decon and air drying in plastic bags

DESCRIBE LAUNDERING PROCEDURE FOR UNIFORMS _____

Uniforms will be bagged in plastic then returned to
OSCO facility for normal laundering procedures

LAUNDRY INFORMED?

YES NO



LOCKER ROOM FACILITY PROVIDED YES NO

IF NO, HOW WILL CREW CHANGE CLOTHING _____

RESPIRATOR CLEANING AND INSPECTING PROCEDURES
ARE LISTED IN ENCLOSURE 5



XI CONTINGENCY PLAN

CONTINGENCY PLAN INCLUDED YES NO

IF NO, WHY? _____

(MAY STATE THAT CONTINGENCY PLAN WILL BE
WRITTEN PRIOR TO ONSITE OPERATIONS)

INTERNAL EMERGENCY PHONE LIST IS INCLUDED IN
ENCLOSURE 7.



- 1) WORK TASK DESCRIPTION backhoe, trackhoe, frontend loader - (above action levels) @ overlow pad, track back
 2) LEVEL A B C D coliche pit
 3) RESPIRATORY PROTECTION
 AIR PURIFYING
 HALF MASK
 FULL MASK
 OTHER _____
 CARTRIDGE TYPE _____
 SUPPLIED AIR
 SCBA
 AIRLINE
 ESCAPE BOTTLE
 OTHER _____
 4) PROTECTIVE CLOTHING
 HARD HAT

EYE PROTECTION

- SAFETY GLASSES
 CHEMICAL RESISTANT GOGGLE
 FACE SHIELD
 OTHER _____

BODY PROTECTION

- TYVEK HOODED
 POLYTYVEK HOODED
 SARANEX HOODED
 SIGEL
 PVC
 NEOPRENE
 RAINGEAR (PVC)
 BUTYL
 OTHER _____

BOOTS

- LEATHER- STEEL TOED
 PVC-STEEL TOED
 NEOPRENE-STEEL TOED
 PVC BOOTIES
 TYVEK BOOTIES
 OTHER NuKe boots

GLOVES

- LATEX LEATHER
 SURGICAL RUBBER COTTON
 VITON OTHER _____
 PVC
 NEOPRENE
 NEOPRENE (MILLED)
 SILVERSHIELD

OTHER _____

HEARING PROTECTION

- EAR MUFFS
 EAR PLUGS
 OTHER if decible level > 85



1) WORK TASK DESCRIPTION Laborer/technician
deconing tools/equipment

2) LEVEL A B C D

3) RESPIRATORY PROTECTION

- AIR PURIFYING
- HALF MASK
- FULL MASK
- OTHER

CARTRIDGE TYPE OV/AG and dust filter

SUPPLIED AIR

- SCBA
- AIRLINE
- ESCAPE BOTTLE
- OTHER

4) PROTECTIVE CLOTHING

- HARD HAT

EYE PROTECTION

- SAFETY GLASSES
- CHEMICAL RESISTANT GOGGLE
- FACE SHIELD
- OTHER _____

BODY PROTECTION

- TYVEK
- POLYTYVEK
- SARANEX
- SIGEL
- PVC
- NEOPRENE
- RAINGEAR (PVC)
- BUTYL
- OTHER _____

- HOODED
- HOODED
- HOODED

BOOTS

- LEATHER- STEEL TOED
- PVC-STEEL TOED
- NEOPRENE-STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER Nuke boots

GLOVES

- LATEX
- SURGICAL RUBBER
- VITON
- PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD

- LEATHER
- COTTON
- OTHER _____

OTHER

HEARING PROTECTION

- EAR MUFFS
- EAR PLUGS
- OTHER if working in areas with decible levels > 85Db

cooling line. EP To C Chem



1) WORK TASK DESCRIPTION _____

2) LEVEL A B C D

3) RESPIRATORY PROTECTION

- AIR PURIFYING
- HALF MASK
- FULL MASK
- OTHER _____

CARTRIDGE TYPE o/A combo w/ ~~all~~ dust

- SUPPLIED AIR
- SCBA
- AIRLINE
- ESCAPE BOTTLE
- OTHER _____

frktr

4) PROTECTIVE CLOTHING

- HARD HAT

EYE PROTECTION

- SAFETY GLASSES
- CHEMICAL RESISTANT GOGGLE
- FACE SHIELD
- OTHER _____

BODY PROTECTION

- TYVEK HOODED
- POLYTYVEK HOODED
- SARANEX HOODED
- SIGEL
- PVC
- NEOPRENE
- RAINGEAR (PVC)
- BUTYL
- OTHER _____

BOOTS

- LEATHER- STEEL TOED
- PVC-STEEL TOED
- NEOPRENE-STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER _____

GLOVES

- LATEX
- SURGICAL RUBBER
- VITON *as under/hole*
- PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD
- LEATHER
- COTTON
- OTHER _____

OTHER

HEARING PROTECTION

- EAR MUFFS
- EAR PLUGS
- OTHER _____

SAFETY EQUIPMENT

- | | | | |
|-------------------------------------|--------------------|-------------------------------------|-------------------|
| <input checked="" type="checkbox"/> | SAFETY SHOWERS | <input type="checkbox"/> | FUME HOOD |
| <input checked="" type="checkbox"/> | EYEWASH | <input type="checkbox"/> | GROUNDING RODS |
| <input checked="" type="checkbox"/> | BARRIERS | <input type="checkbox"/> | LIFELINE/HARNES |
| <input type="checkbox"/> | WARNING SIGNS | <input type="checkbox"/> | EXTRACTION DEVICE |
| <input checked="" type="checkbox"/> | BARRIER TAPE | <input checked="" type="checkbox"/> | AIR HORNS |
| <input checked="" type="checkbox"/> | WATER/GATORADE | <input type="checkbox"/> | TARPING RACK |
| <input checked="" type="checkbox"/> | DECON BARRELS | | |
| <input type="checkbox"/> | LIGHTING | | |
| <input checked="" type="checkbox"/> | FIRE EXTINGUISHERS | | |
| <input type="checkbox"/> | OTHER | | |
-
-
-

COMMUNICATION SYSTEMS

DESCRIBE verbal/visual/air horns

SANITARY FACILITIES

SOURCE OF POTABLE WATER

DESCRIBE On-site well water & drinking water

TOILETS

DESCRIBE On-site Port-o-let

LIGHTING

DESCRIBE Daylight



PERSONNEL MONITORING PLAN

INITIAL AIR MONITORING REQUIRED YES NO
IF YES, EXPLAIN STRATEGY to determine background levels to compare against levels while excavating and

loading (Not Necessary during cooling tower excav.)
IF NO, EXPLAIN STRATEGY _____

DIRECT READING INSTRUMENTATION

- COMBUSTIBLE GAS/OXYGEN METER
- DRAEGER TUBES benzene 0.5/a, Toluene 5/a, O-Xylene 10/a
- PHOTOIONIZATION DETECTOR
- FLAME IONIZATION DETECTOR
- INFRARED DETECTOR
- AEROSOL MONITOR
- OTHER _____

DESCRIBE STRATEGY (FREQUENCY, LOCATIONS, ETC)

HNU to determine airborne contaminants above background levels during excavation. Draeger- to identify suspected contaminants and levels if identified by HNU to determine if action levels are present
DESCRIBE CALIBRATION PROCEDURES _____

See Attached

SAMPLE COLLECTION INSTRUMENTATION

SAMPLING PUMPS AND MEDIA
DESCRIBE SAMPLING METHODS (INCLUDE MEDIA TYPE, ANALYTES, NIOSH METHOD NUMBER IF APPLICABLE)
NIOSH #1500 for Benzene, Toluene, and Xylene using JM passive organic vapor badges

DESCRIBE SAMPLING STRATEGY _____

Full shift samples for CWM employees working in excavation area

ADDITIONAL MONITORING

NOISE MONITORING YES NO

DESCRIBE MONITORING STRATEGY _____

HEAT STRESS MONITORING YES NO

DESCRIBE MONITORING STRATEGY verbal, visual,
wibget heat stress monitor, Gatorade provided

OTHER YES NO

DESCRIBE _____

OTHER YES NO

DESCRIBE _____

NAMES OF MONITORING TECHNICIAN Larry Youngless

LOCATION OF MONITORING RECORDS Henderson, CO



XIV. ENCLOSURES

ENCLOSURE 1 SITE SAFETY OFFICER RESPONSIBILITIES

THE SITE SAFETY OFFICER OR DESIGNEE WILL ENTER BEFORE ANY WORK BEGINS AND WILL VERIFY THAT THE ESTABLISHED ZONES ARE IDENTIFIED AND ESCAPE ROUTES ARE CLEAR.

THE DAILY SITE ENTRY PROCEDURE WILL INCLUDE THE FOLLOWING:

- DETERMINE THE WIND DIRECTION AND STAY APPRAISED OF IT THROUGHOUT THE DAY. IDENTIFY THE DIRECTION DURING THE TAILGATE SAFETY MEETING OR INFORMALLY WITH EACH AFFECTED EMPLOYEE.
- CONFIRM THE PROPER PLACEMENT OF EMERGENCY INFORMATION AND OPERATIONAL STATUS OF EQUIPMENT AND THE DECONTAMINATION FACILITY.
- MONITOR THE AIR AS NECESSARY FOR CONDITIONS THAT MAY CAUSE INJURY OR EXPOSURE AND RECORD ALL DATA.
- VISUALLY OBSERVE FOR SIGNS OF ACTUAL OR POTENTIAL LIFE OR HEALTH THREATENING HAZARDS.
- NOTE PHYSICAL CONDITIONS OF THE SITE. DETERMINE POTENTIAL EXPOSURE PATHWAYS.
- USE SURVEY TAPE OR MARKERS TO IDENTIFY NEW BOUNDARIES OF THE ZONES.
- DOCUMENT SITE ACTIVITIES IN A DAILY LOG. RECORD OBSERVATIONS RELATED TO FIELD CONDITIONS AND THE SITE.



ENCLOSURE 2 GENERAL SAFE WORK PRACTICES

- ALL ACCIDENTS AND INCIDENTS MUST BE REPORTED TO YOUR SUPERVISOR IMMEDIATELY.

- ALL DEFECTS/MALFUNCTIONS WHICH APPEAR DURING THE COURSE OF THE WORK SHIFT MUST BE REPORTED TO THE SUPERVISOR.

- NO EATING, DRINKING, SMOKING, CHEWING TOBACCO OR GUM, OR APPLYING COSMETICS IS ALLOWED IN THE EXCLUSION OR CONTAMINATION REDUCTION ZONES.

- EMPLOYEES SHALL INFORM THEIR SUPERVISOR OF ANY PRESCRIPTION MEDICATIONS OR MEDICATIONS AFFECTING THEIR ABILITIES THEY ARE USING WHILE AT WORK.

- EMPLOYEES SHALL NOT SHOW UP FOR WORK UNDER THE INFLUENCE OR IN POSSESSION OF ALCOHOL OR ILLICIT DRUGS.

- ONLY CWM APPROVED PROTECTIVE EQUIPMENT SHALL BE USED BY CWM EMPLOYEES.

- EMPLOYEES SHALL NOT REMOVE OR DISTURB ANY COVERING, GUARDS, OR SAFETY DEVICES PLACED ON VEHICLES, GEARS OR OTHER MOVING EQUIPMENT OR MACHINERY EXCEPT TO PERFORM MAINTENANCE OR REPAIRS. WORK ON THE EQUIPMENT SHALL NOT COMMENCE UNTIL THE EQUIPMENT HAS BEEN DEACTIVATED, SOURCES OF ENERGY REMOVED, AND THE CONTROLS ARE LOCKED AND TAGGED OUT.

- BEFORE STARTING ANY VEHICLE OR MACHINERY, OR TURNING ON ELECTRICITY, GAS, STEAM, OR AIR, EMPLOYEES WILL CHECK THE ENTIRE AREA TO INSURE IT IS SAFE TO PROCEED WITH THE WORK. OUT OF SERVICE OR LOCKED OUT EQUIPMENT IS NOT TO BE STARTED BY ANYONE, UNLESS AUTHORIZED BY SUPERVISION.

- EMPLOYEES SHALL MAINTAIN GOOD HOUSEKEEPING OF THE FACILITIES AND REMOVE OR DISPOSE OF ALL UNNECESSARY MATERIAL.

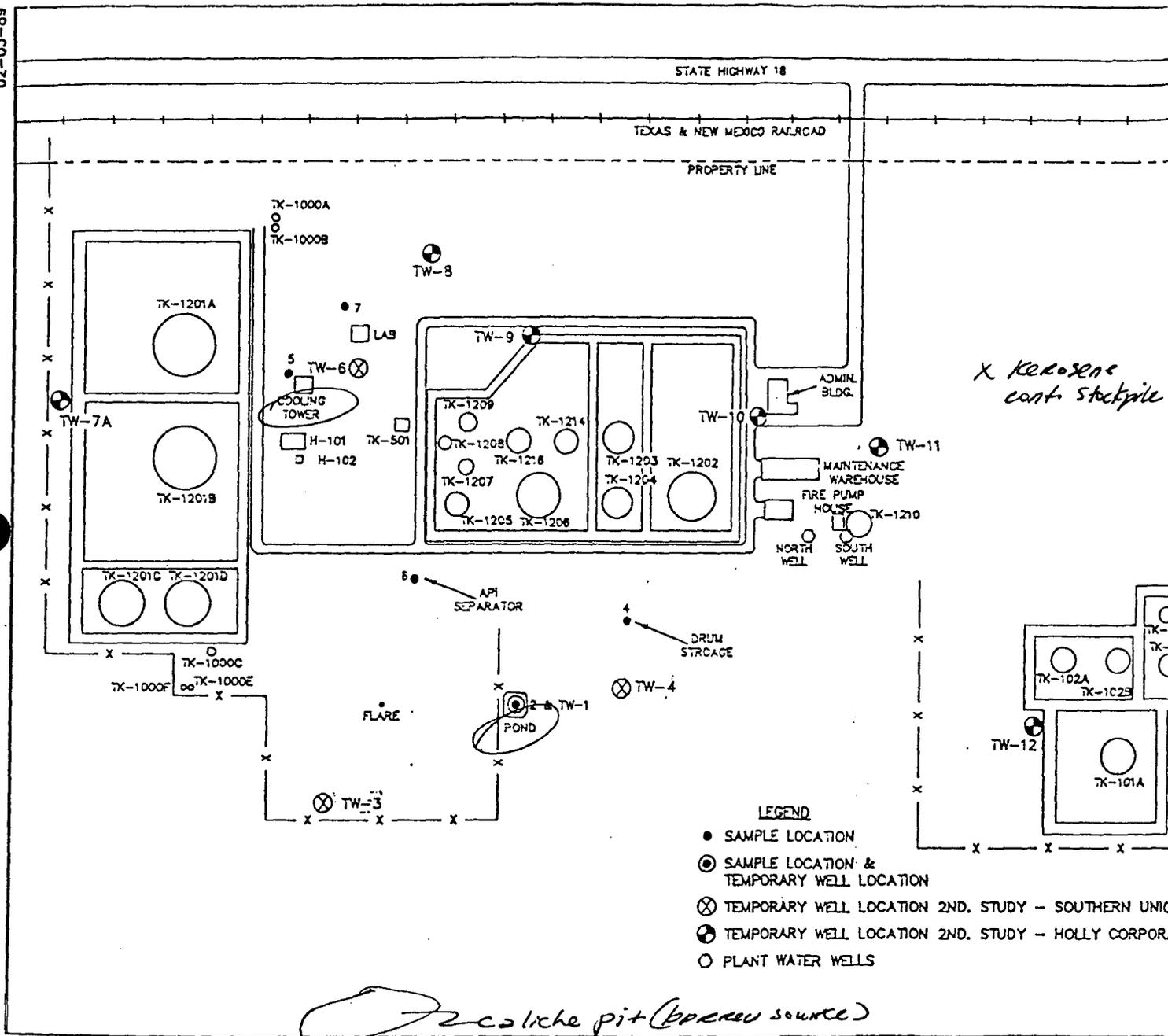
- SPECIAL OPERATIONS INCLUDING CONFINED SPACE ENTRY, HOT WORK, DECOMMISSIONING OF EQUIPMENT FOR REPAIRS REQUIRE PERMITS TO BE SIGNED BY AUTHORIZED PERSONNEL. A DESCRIPTION OF THE PROCEDURES WILL BE INCLUDED IN THE ENCLOSURE SECTION.

- TRENCHING OR EXCAVATIONS MUST BE SHORED OR SLOPED OR APPROPRIATELY PREPARED AS REQUIRED BY OSHA STANDARDS. A DESCRIPTION OF THE TECHNIQUES TO BE USED IS INCLUDED IN THE ENCLOSURE SECTION IF APPROPRIATE.



ENCLOSURE 3 WORK ZONE MAP

283-3A
02-03-89



LEGEND

- SAMPLE LOCATION
- ⊙ SAMPLE LOCATION & TEMPORARY WELL LOCATION
- ⊗ TEMPORARY WELL LOCATION 2ND. STUDY - SOUTHERN UNIC
- ⊕ TEMPORARY WELL LOCATION 2ND. STUDY - HOLLY CORPORA
- PLANT WATER WELLS



ENCLOSURE 4 DECONTAMINATION PROCEDURES

See attached procedures



ENCLOSURE 5 RESPIRATORY EQUIPMENT CLEANING, MAINTENANCE
AND STORAGE PROCEDURES

Wash with soap and water. Water rinse and air dry.
Store in vinyl carrying bags when not in use

CHEMICAL WASTE MANAGEMENT, INC.
ENRAC - WESTERN REGION
Incident Reporting/Emergency Call List

In the event of an injury, accident, fire, spill, release or other non-routine occurrence, you must immediately call one of the following people. Start at the top of the list and keep calling until you, personally, talk to one of these people.

1. Joe Zorn - ENRAC General Manager
(415) 770-0575 - Business Telephone
(415) 538-4628 - Home Telephone
2. August Ochabauer - Operations Manager
(415) 770-0575 - Business Telephone
(415) 651-4073 - Home Telephone
3. Derik Gulsvig - Health & Safety Manager
(415) 770-0575 - Business Telephone
(415) 790-3488 - Home Telephone
4. Cheryl Grede - Environmental Health & Safety Manager
(415) 770-0575 - Business Telephone
(415) 551-8755 - Home Telephone
5. Paul Borenstein - Western Region Health & Safety Manager
(415) 651-2964 - Business Telephone
(415) 228-3759 - Home Telephone
6. Shari Samuels - Western Region Safety Engineer
(415) 651-2964 - Business Telephone
(415) 355-7699 - Home Telephone



ENCLOSURE 7 HAZARDOUS WASTE OPERATIONS CONTINGENCY PLAN

GENERATORS NAME: Southern Union Gas Co.

LOCATION: Highway 18, 5 miles SW of Lovington, NM

CONTACT: Russell Buss PHONE # 409-962-8888

PROJECT MANAGER: _____

EMERGENCY PHONE NUMBERS:

POLICE 911 INTERPLANT _____

FIRE 911 HOSPITAL 392-6581

POISON CONTROL _____

NATIONAL SPILL RESPONSE CENTER _____

FEDERAL/LOCAL AGENCIES _____

HOSPITAL INFORMATION:

NAME: Regional Hospital

ADDRESS: _____

ROUTE TO: _____

CONTACT: Emergency Room Doctor

ALTERNATE CONTACT: _____

EVACUATION ALARM DESCRIPTION: Verbal or Air horn

LOCATION OF ALARM BOXES: _____

EVACUATION ROUTE DESCRIPTION: Exit work area east of parking lot



ASSEMBLY AREA DESCRIPTION: Parking lot

EVACUATION ROUTE/ EMERGENCY EQUIPMENT STATION MAP :



MEDICAL PROVIDER ROUTE MAP:



EMERGENCY EQUIPMENT:

- FIRST AID STATION
 - FIRE EXTINGUISHERS
 - EMERGENCY EYEWASH/SHOWER
 - LIFELINE/HARNESS
 - SCBAS
 - AIR MONITORING EQUIPMENT
- SPECIFY Dräger, HNU
-
-

- GLOVES
- SPECIFY Neoprene
-
-

- BODY SUIT
- SPECIFY Poly tyvek
tyvek
-
-

- BOOTS
- SPECIFY Chemical resistant
-
-

- OTHER PROTECTIVE EQUIPMENT
- SPECIFY _____
-
-
-
-

- ABSORBENT
- SHOVELS
- SQUEEGEES
- OVERPACKS
- NEUTRALIZING MAT'L
- WALKY TALKIES
- OTHER SUPPORT EQPT

SPECIFY _____

LOCATION OF EMERGENCY EQUIPMENT _____

B. CHEMICAL CONTAMINANTS AND CONCENTRATIONS (ATTACH A LIST

Chemical Name, Formula, CAS, RTECS, and DOT UN or NA and Guide Numbers	Synonyms	Exposure Limits	IDLH Level	Physical Description	Chemical and Physical Properties	Incompatibilities	Measurement Method (See Tables 1a and 1b)
Benzene C ₆ H ₆ 71-43-2 CY1400000 1114 27	Benzol, Cyclohexatriene, Coal tar naphtha, Phenyl hydride	10 ppm 50 ppm ceil (10 min) (NIOSH) 1 ppm 60-min ceil See Appendix A (ACGIH) 10 ppm, A2	2000 ppm Ca	Colorless liquid with an aromatic odor	MW: 78 BP: 176°F Sol: 0.18% Fl.P: 12°F IP: 9.25 eV	VP: 75 mm MP: 42°F UEL: 7.1% LEL: 1.3% Strong oxidizers; chlorine, bromine with iron	Char; CS; GC; III

Personal Protection and Sanitation (See Table 2)	Respirator Selection Upper Limit Devices Recommended (See Table 3)	Health Hazards			
		Route	Symptoms (See Table 4)	First Aid (See Table 5)	Target Organs
Clothing: Repeat prolong Goggles: Reason prob Wash: Soap wash promptly Change: N.A. Remove: Any wet immed (flamm)	NIOSH E: SCBAF:PD,PP/SAF:PD,PP:ASCBA Escape: GMFOV/SCBAE	Inh Abs Ing Con	Irrit eyes, nose, resp sys; giddy; head; nau; staggered gait; flg, anor, lass; derm; bone marrow depres; abdom pain; [carc]	Eye: Irr immed Skin: Soap wash promptly Breath: Art resp Swallow: Medical attention immed	Blood, CNS, skin, bone marrow, eyes, resp sys

Chemical Name, Formula, CAS, RTECS, and DOT UN or NA and Guide Numbers	Synonyms	Exposure Limits	IDLH Level	Physical Description	Chemical and Physical Properties	Incompatibilities	Measurement Method (See Tables 1a and 1b)
Toluene C ₆ H ₅ CH ₃ 108-88-3 XS5250000 1294 27	Toluol, Phenyl methane, Methyl benzene	200 ppm 300 ppm ceil 500 ppm 10-min peak (NIOSH) 100 ppm 10-hr TWA 200 ppm 10-min ceil (ACGIH) 100 ppm	2000 ppm	Colorless liquid with an aromatic odor like benzene	MW: 92 BP: 231°F Sol: 0.05% Fl.P: 40°F IP: 8.82 eV	VP: 22 mm MP: -139°F UEL: 7.1% LEL: 1.3% Strong oxidizers	Char; CS; GC; V

Personal Protection and Sanitation (See Table 2)	Respirator Selection Upper Limit Devices Recommended (See Table 3)	Health Hazards			
		Route	Symptoms (See Table 4)	First Aid (See Table 5)	Target Organs
1. Clothing: Repeat prolong Goggles: Reason prob Wash: Promptly upon wet Change: N.A. Remove: Any wet immed (flamm)	NIOSH 1000 ppm: CCROV*/SA* PAPROV*/SCBA* 2000 ppm: SA:CF*SCBAF/SAF/ GMFOV Q: SCBAF:PD,PP/ SAF:PD,PP:ASCBA Escape: GMFOV/SCBAE	Inh Abs Ing Con	Flg, weak; conf, euph, dizz; head; dil pup, lac; ner; musc flg; insom; pares; derm; photo	Eye: Irr immed Skin: Soap wash promptly Breath: Art resp Swallow: Medical attention immed	CNS, liver, kidneys, skin

Chemical Name, Formula, CAS, RTECS, and DOT UN or NA and Guide Numbers	Synonyms	Exposure Limits	IDLH Level	Physical Description	Chemical and Physical Properties	Incompatibilities	Measurement Method (See Tables 1a and 1b)
Ethyl benzene C ₆ H ₅ CH ₂ 100-41-4 DA0700000 1175 26	Phenylethane, Ethylbenzol	100 ppm (435 mg/m ³)	2000 ppm	Colorless liquid with an aromatic odor	MW: 106 BP: 211°F Sol: 0.015% Fl.P: 59°F IP: 8.76 eV	VP: 7.1 mm MP: -139°F UEL: 6.7% LEL: 1.0% Strong oxidizers	Char; CS; GC; III

Personal Protection and Sanitation (See Table 2)	Respirator Selection Upper Limit Devices Recommended (See Table 3)	Health Hazards			
		Route	Symptoms (See Table 4)	First Aid (See Table 5)	Target Organs
Clothing: Repeat prolong Goggles: Reas prob Wash: Promptly upon contam Change: N.A. Remove: Any wet Immed (flamm)	NIOSH 1000 ppm: CCROV*/PAPROV*/ SA*/SCBA* 2500 ppm: SA:CF* 5000 ppm: GMFOV/SCBAF/SAF 10,000 ppm: SAF:PD,PP Q: SCBAF:PD,PP/SAF:PD,PP:ASCBA Escape: GMFOV/SCBAE	Inh Abs Ing Con	Dizz, excitement, drow, inco, staggering gait; irrit eyes, nose, throat; corneal vacuolization; anor, nau, vomit, abdom pain; derm	Eye: Irr immed Skin: Soap wash promptly Breath: Art resp Swallow: Medical attention immed	CNS, eyes, GI tract, blood, liver, kidneys, skin

Chemical Name, Formula, CAS, RTECS, and DOT UN or NA and Guide Numbers	Synonyms	Exposure Limits	IDLH Level	Physical Description	Chemical and Physical Properties	Incompatibilities	Measurement Method (See Tables 1a and 1b)
Xylene (o-, m-, and p-isomers) C ₆ H ₄ (CH ₃) ₂ 1330-20-7 ZE2100000 1307 27	p-ortho-Xylene, 1,2-Dimethyl-benzene; meta-Xylene, 1,3-Dimethyl-benzene; para-Xylene, 1,4-Dimethyl-benzene	100 ppm (435 mg/m ³) (NIOSH) 100 ppm 10-hr TWA 200 ppm 10-min ceil	10,000 ppm	Colorless liquid with aromatic odors (pure p-xylene is a solid at < 55°F)	MW: 106 BP: 292/282/ 281°F Sol: 0.00003% Fl.P: 90/84/ 81°F IP: 8.56/8.56/ 8.44 eV	VP: 7/9/9 MP: -12/54/ 55°F UEL: 6/7/7% LEL: 1/1/1 1.1% Strong oxidizers	Char; CS; GC; III

Personal Protection and Sanitation (See Table 2)	Respirator Selection Upper Limit Devices Recommended (See Table 3)	Health Hazards			
		Route	Symptoms (See Table 4)	First Aid (See Table 5)	Target Organs
Clothing: Repeat prolong Goggles: Reason prob Wash: Promptly upon contam Change: N.A. Remove: Any wet immed (flamm)	OSHA 1000 ppm: PAPROV*/SA*/ SCBA*/CCROV* 2000 ppm: GMFOV/SAF/SCBAF Q: SCBAF:PD,PP/ SAF:PD,PP:ASCBA	Inh Ing Con	Irrit eyes, muc memb; head; derm; narco, coma	Eye: Irr immed Skin: Water flush promptly Breath: Art resp Swallow: Medical attention immed	Eyes, upper resp sys, skin, CNS



EMPLOYEES RECEIVED CONTINGENCY PLAN BRIEFING:

PRINT

SIGNATURE

~~Larry Youngblood~~

Bob Hulce

John Meier

Bob Hulce

John Meier

ENRAC - Western Region
Excavation and Trenching Procedure

1. All trenches and excavations deeper than 4 feet must be tested for oxygen deficiency and hazardous atmospheres before workers are allowed to enter them.
2. If ventilation controls are used to reduce hazardous concentrations in the excavation, then periodic testing is required to ensure safe levels.
3. If hazardous atmospheres are present in the excavation, emergency equipment (SCBAs, safety harness, lifeline or a basket stretcher) must be readily available for use and must be attended by a rescue person.
4. Sloping or shoring is mandatory for all excavations and trenches 5 feet deep or more.
5. All supplies and material removed from the excavation must be kept at least 2 feet away from the edge of the hole.
6. If the excavation is in solid rock, no additional shoring or sloping is required.
7. If the excavation is in solid rock, it must be supported or a support system designed and installed.
8. All soil classification must be made by a registered professional engineer.
9. If no soil classification is made, the excavation must be sloped to an angle of 34 degrees from the horizontal. *1:5 to 1*
10. If a soil classification is made (per Appendix A of 29 CFR 1926 Subpart P), then one of three options may be chosen.
 - a. Follow slope configurations in Appendix B of 29 CFR 1926 Subpart P. (Note that these tables have depth constraints to them.)
 - b. Use other tabulated data which has been approved by a registered professional engineer.
 - c. Use a specific written design by a registered professional engineer.

11. If a support, shield or shoring system is chosen, then soil classification is required and one of four options may be chosen.
 - a. Follow the provisions in Appendix C of 29 CFR 1926 Subpart P. (i.e., timber shoring tables)
 - b. Use manufacturers data to provide protection. (i.e., hydraulic shoring, trench shields, etc.)
 - c. Use tabulated data which has been approved by a registered professional engineer.
 - d. Use a specific written design by a registered professional engineer.
12. Ladders must be provided every 25 feet in the excavation, so that employees can climb out of the trench or excavation. These ladders must extend at least 3 feet above the top of the hole in order to provide a safe exit.
13. At least one standby observer must be present whenever a worker enters an excavation or trench.
14. All employees must be trained in the requirements of 29 CFR 1926 Subpart P and excavation and trenching procedures before working on this type of project. Employees will receive initial training as part of their new employee 40 hour training in hazardous waste operations. Refresher training must be completed at least annually. Documentation of training will be kept in the employee's training file at the ENRAC office from which the employee is dispatched.

* Note: No employee will be entering the excavation pits!



CHEMICAL WASTE MANAGEMENT INC.
 ENVIRONMENTAL MANAGEMENT DEPARTMENT
 APPROVAL PACKAGE

DIVISION NAME ENRAC - DENVER

PACKAGE PREPARER NAME AND TITLE Bob Hulet / Project Manager

CUSTOMER NAME Southern Union Gas Company

CUSTOMER ADDRESS 5 miles South of Lovington on Hwy 18

CUSTOMER CONTACT Russel Buss PHONE (409) 962-8888

START DATE OF PROJECT 6/25/90 DURATION OF PROJECT 6 weeks

NAME AND TITLE OF PROJECT MANAGER Bob Hulet / Project Manager

COMMENTS An EMO package is currently in place for this project. This package address tasks to excavate in conjunction with soil removal below a cooling tower.

APPROVED BY (PRINT NAME AND TITLE) Cheryl A Grede
Env. H & S Mgr.

APPROVAL SIGNATURE Cheryl A Grede

OTHER APPROVALS REQUIRED

PRINT NAME AND TITLE	SIGNATURE AND DATE
_____	_____
_____	_____
_____	_____

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PURPOSE

THIS DOCUMENT DEFINES THE HEALTH, SAFETY AND ENVIRONMENTAL CONSIDERATIONS FOR THE OFFSITE MANAGEMENT OF HAZARDOUS WASTES BY CHEMICAL WASTE MANAGEMENT PERSONNEL AND CONTRACTORS. THIS DOCUMENT IS REQUIRED BY CWM POLICIES AND PROCEDURES AND OSHA 29 CFR 1910.120. THE BASIC REQUIREMENTS FOR THE HEALTH AND SAFETY OF THE PROJECT WORKERS ARE DELINEATED IN THE CWM AND DIVISION HEALTH AND SAFETY PROCEDURES. ALL PERSONNEL ON SITE WILL BE INFORMED ABOUT THE PERTINENT SECTIONS OF THE EMD APPROVAL.

PROJECT STAFFING

TITLE

PROJECT MANAGER

NAME Bob Hulet

OPERATIONS MANAGER

NAME Don Shostky

SITE SAFETY OFFICER(S)

NAME Bob Hulet

NAME _____

Operator

NAME John Meier

Technician

NAME Martin Fieco

Technician

NAME Manuel Hoyas

SSO

NAME Darrel Hellman

NAME _____

NAME _____

NAME _____

NAME _____



I. SCOPE OF WORK

CHECK OFF APPROPRIATE CATEGORIES (MORE THAN ONE MAY APPLY)

- | | | | |
|----------------------------------|------------------------------|----------------------------------|------------------|
| <input type="radio"/> | TANK EXCAVATION | <input type="radio"/> | ONSITE TREATMENT |
| <input checked="" type="radio"/> | SOIL EXCAVATION | <input type="radio"/> | CONFINED SPACE |
| <input type="radio"/> | POND CLEANUP | <input type="radio"/> | ASBESTOS |
| <input type="radio"/> | BUILDING DECONTAMINATION | <input type="radio"/> | ONSITE STORAGE |
| <input checked="" type="radio"/> | EQUIPMENT DECONTAMINATION | <input checked="" type="radio"/> | CONSTRUCTION |
| <input type="radio"/> | DRUM SAMPLING AND MANAGEMENT | <input checked="" type="radio"/> | DEMOLITION |
| <input type="radio"/> | LAB PACK | <input type="radio"/> | OTHER _____ |
| <input type="radio"/> | EMERGENCY RESPONSE | | |

(BRIEF DESCRIPTION OF PROJECT INCLUDING TYPES OF MAJOR EQUIPMENT TO BE USED, QUANTITIES OF MATERIAL TO BE MANAGED, CONTAMINANTS, NUMBER OF SPECIFIC JOB LOCATIONS (IE. NUMBER OF TANKS, SUMPS, ETC.). DESCRIBE SPECIFIC WORK TASKS.

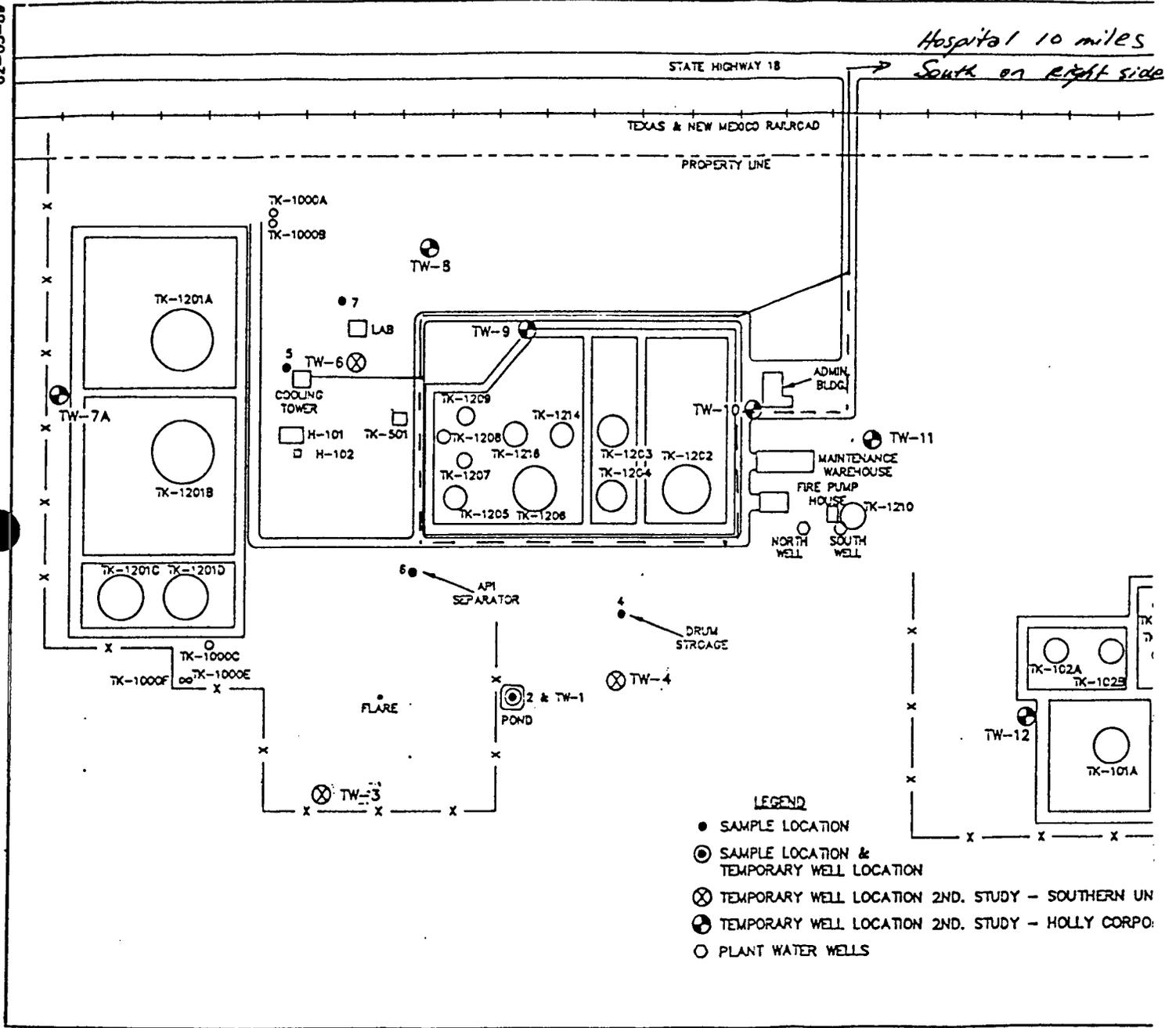
- ① Remove above ground horizontal tank with a cherry picker. Remove portable building and concrete slab.
- ② Backfill open hole to begin trenching operation below cooling tower basin.
- ③ As trenching goes down to a total depth of 25 ft below cooling tower, ramp down and slope back sidewalls to meet OSHA requirements for trenching and excavations.
- ④ Backfill trenching with concrete to form shoring walls. (Trenching and backfill will be performed in clean material.)
- ⑤ Excavate non-hazardous chrome contaminated soil between shoring walls.
- ⑥ Transport and dispose contaminated soil at Rio Rancho landfill in Albuquerque nm. OR Lake Charles Facility in Louisiana.
- ⑦ Backfill below cooling tower with concrete.
- ⑧ Backfill open excavation with local clean fill.

Install shoring



SITE LAYOUT (INCLUDE COPY OF SITE MAP INCLUDING OPERATING AREAS)

293-JA
02-03-89



*Hospital 10 miles
South on right side*

- LEGEND**
- SAMPLE LOCATION
 - ⊙ SAMPLE LOCATION & TEMPORARY WELL LOCATION
 - ⊗ TEMPORARY WELL LOCATION 2ND. STUDY - SOUTHERN UN
 - ⊕ TEMPORARY WELL LOCATION 2ND. STUDY - HOLLY CORPO.
 - PLANT WATER WELLS

Evacuation Route ———

Alternate Route - - -



TASK SPECIFIC HAZARDS

TASK Remove tank & building

1. Watch for heavy equipment
2. Open excavations nearby
3. Use proper lifting
4. Watch for trip hazards
5. _____
6. _____

TASK Excavation & trenching (clean soil)

1. Watch for Heavy equipment
2. Be Aware of open ~~excavation~~ excavation
3. Suppress dust
4. _____
5. _____
6. _____

TASK Excavation & trenching (contaminated soil)

1. Watch for Heavy equipment
2. Be aware of open excavation
3. Suppress dust
4. _____
5. _____
6. _____

TASK Backfill

1. Watch for Heavy equipment
2. Be Aware of open excavation
3. Suppress dust
4. _____
5. _____
6. _____

TASK _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



III. PROJECT ORGANIZATION

CREW SIZE	NUMBER
PROJECT MANAGER	<u>1</u>
CHEMIST	<u>1</u>
TECHNICIAN	<u>1</u>
SITE SAFETY OFFICER	<u> </u>
OTHER <u>operator</u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

SUBCONTRACTORS (including environmental consultants)

TAO Trucking, PREQUALIFIED YES NO

SCOPE OF WORK Transport contaminated soil to Rio Rancho Landfill in Albuquerque NM. or Lake Charles Facility in Louisiana.

TRAINING REQUIRED N/A

CONTRACT

 , PREQUALIFIED YES NO

SCOPE OF WORK

TRAINING REQUIRED

CONTRACT

 , PREQUALIFIED YES NO

SCOPE OF WORK

TRAINING REQUIRED

CONTRACT



IV MATERIAL HANDLING EQUIPMENT (PROVIDE DETAILS)

- DRUM DOLLY _____
- PUMPS _____
- FORK TRUCK _____
- MAN LIFT small cherry picker
- HEAVY EQUIP tractor, wheel loader, dozer
- CRANE _____
- OTHER _____
- _____
- _____
- _____

V REPORTING AND RECORDKEEPING

PERMITS/APPROVALS (USE N/A IF NOT APPLICABLE)

- DISPOSAL SITE APPROVAL APPROVAL DATE _____
NAME OF APPROVER WMMA - Lance Robinson
- STATE TYPE _____
- LOCAL TYPE _____
- FEDERAL TYPE _____
- OTHER TYPE _____
- OTHER TYPE _____

(CERTAIN STATES REQUIRE REPORTING DURING WORK WITH SPECIFIED HAZARDOUS MATERIALS (EG. ASBESTOS) AND/OR OPERATIONS (EG. EXCAVATIONS)

PROCEDURES

- COPY OF STANDARD OPERATING PROCEDURES INCLUDED (ENCLOSURE 2)
- HAZARD COMMUNICATION PROGRAM DEVELOPED
- MSDS AVAILABLE

VI DISPOSAL AND TRANSPORTATION

ULTIMATE FACILITY ① Lake Charles Facility (Haz.)
② Rio Rancho Landfill (Non-haz)
Less than 5 ppm TCLP

INTERMEDIATE FACILITIES _____

TRANSPORTATION COMPANY TAD Trucking

TYPES AND NUMBERS OF VEHICLES USED Approx. 10
end dumps total

* A TCLP Test for Chrome will be performed. at a frequency of 20 cy. Treatment Standard for chrome is 5 ppm. Greater than 5 ppm will be transported



VII ENVIRONMENTAL SAMPLING

SAMPLING REQUIRED YES NO

AIR MONITORING

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____

SOIL MONITORING

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____

OTHER

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____

OTHER

EQUIPMENT USED _____
METHODOLOGY _____

CALIBRATION _____



VIII TRAINING

CWM CREW RECEIVED INITIAL 40 HOUR TRAINING ● YES ○ NO
IF NO, WHY? _____

COPY OF CERTIFICATE ON FILE ● YES ○ NO

ADDITIONAL TRAINING REQUIRED Trenching and Excavation

CREW RECEIVED SPECIAL TRAINING ● YES ○ NO
IF NO, WHY? _____

LOCATION OF TRAINING FILES Enrad - Fremont & Denver

SUBCONTRACTOR RECEIVED REQUIRED TRAINING ● YES ○ NO
IF NO, WHY? _____

ADDITIONAL INFORMATION _____

SAFETY BRIEFINGS ARE HELD EACH SHIFT
WHO CONDUCTS MEETINGS? Bob Hulet
WHERE ARE RECORDS STORED? on site

IX MEDICAL REQUIREMENTS

ENTIRE CREW RECEIVED BASELINE PHYSICAL EXAMINATIONS
● YES ○ NO

IF NO, WHY? _____

SPECIAL TESTS REQUIRED _____

COMPLETE? ○ YES ○ NO

IF NO, WHY? _____

LOCATION OF MEDICAL FILES Fremont and Denver



CONTAMINATION CONTROL

- THE JOB SITE IS PARTITIONED INTO 3 DISTINCT WORK ZONES: CLEAN ZONE, CONTAMINATION REDUCTION ZONE AND THE EXCLUSION ZONE.
- WORKERS MAY ONLY ENTER AND EXIT FROM THE EXCLUSION ZONE VIA THE CONTAMINATION REDUCTION ZONE.
- ONLY AUTHORIZED PERSONNEL ARE ALLOWED TO ENTER THE EXCLUSION ZONE OR THE CONTAMINATION REDUCTION ZONE.
- ENCLOSURE 3 INCLUDES A SITE MAP DEFINING THE ZONES

DESCRIBE PERSONNEL DECONTAMINATION PROCEDURES (STEPOFF DIAGRAMS IN ENCLOSURE 4)

DESCRIBE EQUIPMENT DECONTAMINATION PROCEDURES

Dry Decon with shovels and brushes

HOW IS CONTAMINATED EQUIPMENT DISPOSED

In waste stream profiled for disposal

DESCRIBE STORAGE OF REUSABLE PROTECTIVE GEAR

Decon, Air dry, then store in plastic bags.

DESCRIBE LAUNDERING PROCEDURE FOR UNIFORMS

Uniforms will be bagged, then returned to osco facility for normal laundering

LAUNDRY INFORMED? ● YES ○ NO



LOCKER ROOM FACILITY PROVIDED YES NO

IF NO, HOW WILL CREW CHANGE CLOTHING At
Hotel room.

RESPIRATOR CLEANING AND INSPECTING PROCEDURES
ARE LISTED IN ENCLOSURE 5



XI CONTINGENCY PLAN

CONTINGENCY PLAN INCLUDED ● YES ○ NO

IF NO, WHY? _____

(MAY STATE THAT CONTINGENCY PLAN WILL BE
WRITTEN PRIOR TO ONSITE OPERATIONS)

INTERNAL EMERGENCY PHONE LIST IS INCLUDED IN
ENCLOSURE 7.

1) WORK TASK DESCRIPTION Excavation and trenching in clean soil

2) LEVEL A B C D

3) RESPIRATORY PROTECTION
 AIR PURIFYING
 HALF MASK
 FULL MASK
 OTHER _____
CARTRIDGE TYPE _____

SUPPLIED AIR
 SCBA
 AIRLINE
 ESCAPE BOTTLE
 OTHER _____

4) PROTECTIVE CLOTHING
 HARD HAT

EYE PROTECTION

- SAFETY GLASSES
- CHEMICAL RESISTANT GOGGLE
- FACE SHIELD
- OTHER _____

BODY PROTECTION

- TYVEK HOODED
- POLYTYVEK HOODED
- SARANEX HOODED
- SIGEL
- PVC
- NEOPRENE
- RAINGEAR (PVC)
- BUTYL
- OTHER _____

BOOTS

- LEATHER- STEEL TOED
- PVC-STEEL TOED
- NEOPRENE-STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER _____

GLOVES

- LATEX LEATHER
- SURGICAL RUBBER COTTON
- VITON OTHER _____
- PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD

OTHER _____

HEARING PROTECTION

- EAR MUFFS
- EAR PLUGS
- OTHER _____

1) WORK TASK DESCRIPTION Excavation and trenching in contaminated soil

2) LEVEL A B C D

3) RESPIRATORY PROTECTION
 AIR PURIFYING
 HALF MASK
 FULL MASK
 OTHER

CARTRIDGE TYPE Combination

SUPPLIED AIR
 SCBA
 AIRLINE
 ESCAPE BOTTLE
 OTHER

4) PROTECTIVE CLOTHING
 HARD HAT

EYE PROTECTION

- SAFETY GLASSES
- CHEMICAL RESISTANT GOGGLE
- FACE SHIELD
- OTHER _____

BODY PROTECTION

- TYVEK HOODED
- POLYTYVEK HOODED
- SARANEX HOODED
- SIGEL
- PVC
- NEOPRENE
- RAINGEAR (PVC)
- BUTYL
- OTHER _____

BOOTS

- LEATHER- STEEL TOED
- PVC-STEEL TOED
- NEOPRENE-STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER _____

GLOVES

- LATEX LEATHER
- SURGICAL RUBBER COTTON
- VITON OTHER _____
- PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD

OTHER _____

HEARING PROTECTION

- EAR MUFFS
- EAR PLUGS
- OTHER _____



1) WORK TASK DESCRIPTION Backfill

2) LEVEL A B C D

3) RESPIRATORY PROTECTION
 AIR PURIFYING
 HALF MASK
 FULL MASK
 OTHER _____
CARTRIDGE TYPE _____

SUPPLIED AIR
 SCBA
 AIRLINE
 ESCAPE BOTTLE
 OTHER _____

4) PROTECTIVE CLOTHING
 HARD HAT

EYE PROTECTION
 SAFETY GLASSES
 CHEMICAL RESISTANT GOGGLE
 FACE SHIELD
 OTHER _____

BODY PROTECTION
 TYVEK HOODED
 POLYTYVEK HOODED
 SARANEX HOODED
 SIGEL
 PVC
 NEOPRENE
 RAINGEAR (PVC)
 BUTYL
 OTHER _____

BOOTS
 LEATHER- STEEL TOED
 PVC-STEEL TOED
 NEOPRENE-STEEL TOED
 PVC BOOTIES
 TYVEK BOOTIES
 OTHER _____

GLOVES
 LATEX LEATHER
 SURGICAL RUBBER COTTON
 VITON OTHER _____
 PVC
 NEOPRENE
 NEOPRENE (MILLED)
 SILVERSHIELD

OTHER _____

HEARING PROTECTION
 EAR MUFFS
 EAR PLUGS
 OTHER _____



SAFETY EQUIPMENT

- | | | | |
|----------------------------------|--------------------|----------------------------------|-------------------|
| <input type="radio"/> | SAFETY SHOWERS | <input type="radio"/> | FUME HOOD |
| <input checked="" type="radio"/> | EYEWASH | <input type="radio"/> | GROUNDING RODS |
| <input checked="" type="radio"/> | BARRIERS | <input type="radio"/> | LIFELINE/HARNES |
| <input type="radio"/> | WARNING SIGNS | <input type="radio"/> | EXTRACTION DEVICE |
| <input checked="" type="radio"/> | BARRIER TAPE | <input checked="" type="radio"/> | AIR HORNS |
| <input checked="" type="radio"/> | WATER/GATORADE | <input type="radio"/> | TARPING RACK |
| <input type="radio"/> | DECON BARRELS | | |
| <input type="radio"/> | LIGHTING | | |
| <input checked="" type="radio"/> | FIRE EXTINGUISHERS | | |
| <input type="radio"/> | OTHER | | |
-
-
-

COMMUNICATION SYSTEMS

DESCRIBE verbal
visual
air horns

SANITARY FACILITIES

- SOURCE OF POTABLE WATER

DESCRIBE on-site well water and drinking water.

- TOILETS

DESCRIBE on-site facilities

- LIGHTING

DESCRIBE work during daylight hours



PERSONNEL MONITORING PLAN

INITIAL AIR MONITORING REQUIRED YES NO
IF YES, EXPLAIN STRATEGY _____

IF NO, EXPLAIN STRATEGY _____
N/A

DIRECT READING INSTRUMENTATION

- COMBUSTIBLE GAS/OXYGEN METER
- DRAEGER TUBES
- PHOTOIONIZATION DETECTOR
- FLAME IONIZATION DETECTOR
- INFRARED DETECTOR
- AEROSOL MONITOR
- OTHER _____ N/A

DESCRIBE STRATEGY (FREQUENCY, LOCATIONS, ETC)

DESCRIBE CALIBRATION PROCEDURES _____

SAMPLE COLLECTION INSTRUMENTATION

- SAMPLING PUMPS AND MEDIA
- DESCRIBE SAMPLING METHODS (INCLUDE MEDIA TYPE, ANALYTES, NIOSH METHOD NUMBER IF APPLICABLE)
- _____ N/A

DESCRIBE SAMPLING STRATEGY _____
N/A

ADDITIONAL MONITORING

NOISE MONITORING YES NO

DESCRIBE MONITORING STRATEGY _____

HEAT STRESS MONITORING YES NO

DESCRIBE MONITORING STRATEGY visual and
verbal. Gateade provided. Numerous
breaks.

OTHER YES NO

DESCRIBE _____

OTHER YES NO

DESCRIBE _____

NAMES OF MONITORING TECHNICIAN Bob Hulet

LOCATION OF MONITORING RECORDS _____



XIV. ENCLOSURES

ENCLOSURE 1 SITE SAFETY OFFICER RESPONSIBILITIES

THE SITE SAFETY OFFICER OR DESIGNEE WILL ENTER BEFORE ANY WORK BEGINS AND WILL VERIFY THAT THE ESTABLISHED ZONES ARE IDENTIFIED AND ESCAPE ROUTES ARE CLEAR.

THE DAILY SITE ENTRY PROCEDURE WILL INCLUDE THE FOLLOWING:

- DETERMINE THE WIND DIRECTION AND STAY APPRAISED OF IT THROUGHOUT THE DAY. IDENTIFY THE DIRECTION DURING THE TAILGATE SAFETY MEETING OR INFORMALLY WITH EACH AFFECTED EMPLOYEE.

- CONFIRM THE PROPER PLACEMENT OF EMERGENCY INFORMATION AND OPERATIONAL STATUS OF EQUIPMENT AND THE DECONTAMINATION FACILITY.

- MONITOR THE AIR AS NECESSARY FOR CONDITIONS THAT MAY CAUSE INJURY OR EXPOSURE AND RECORD ALL DATA.

- VISUALLY OBSERVE FOR SIGNS OF ACTUAL OR POTENTIAL LIFE OR HEALTH THREATENING HAZARDS.

- NOTE PHYSICAL CONDITIONS OF THE SITE. DETERMINE POTENTIAL EXPOSURE PATHWAYS.

- USE SURVEY TAPE OR MARKERS TO IDENTIFY NEW BOUNDARIES OF THE ZONES.

- DOCUMENT SITE ACTIVITIES IN A DAILY LOG. RECORD OBSERVATIONS RELATED TO FIELD CONDITIONS AND THE SITE.

-
-
-



ENCLOSURE 2 GENERAL SAFE WORK PRACTICES

- ALL ACCIDENTS AND INCIDENTS MUST BE REPORTED TO YOUR SUPERVISOR IMMEDIATELY.

- ALL DEFECTS/MALFUNCTIONS WHICH APPEAR DURING THE COURSE OF THE WORK SHIFT MUST BE REPORTED TO THE SUPERVISOR.

- NO EATING, DRINKING, SMOKING, CHEWING TOBACCO OR GUM, OR APPLYING COSMETICS IS ALLOWED IN THE EXCLUSION OR CONTAMINATION REDUCTION ZONES.

- EMPLOYEES SHALL INFORM THEIR SUPERVISOR OF ANY PRESCRIPTION MEDICATIONS OR MEDICATIONS AFFECTING THEIR ABILITIES THEY ARE USING WHILE AT WORK.

- EMPLOYEES SHALL NOT SHOW UP FOR WORK UNDER THE INFLUENCE OR IN POSSESSION OF ALCOHOL OR ILLICIT DRUGS.

- ONLY CWM APPROVED PROTECTIVE EQUIPMENT SHALL BE USED BY CWM EMPLOYEES.

- EMPLOYEES SHALL NOT REMOVE OR DISTURB ANY COVERING, GUARDS, OR SAFETY DEVICES PLACED ON VEHICLES, GEARS OR OTHER MOVING EQUIPMENT OR MACHINERY EXCEPT TO PERFORM MAINTENANCE OR REPAIRS. WORK ON THE EQUIPMENT SHALL NOT COMMENCE UNTIL THE EQUIPMENT HAS BEEN DEACTIVATED, SOURCES OF ENERGY REMOVED, AND THE CONTROLS ARE LOCKED AND TAGGED OUT.

- BEFORE STARTING ANY VEHICLE OR MACHINERY, OR TURNING ON ELECTRICITY, GAS, STEAM, OR AIR, EMPLOYEES WILL CHECK THE ENTIRE AREA TO INSURE IT IS SAFE TO PROCEED WITH THE WORK. OUT OF SERVICE OR LOCKED OUT EQUIPMENT IS NOT TO BE STARTED BY ANYONE, UNLESS AUTHORIZED BY SUPERVISION.

- EMPLOYEES SHALL MAINTAIN GOOD HOUSEKEEPING OF THE FACILITIES AND REMOVE OR DISPOSE OF ALL UNNECESSARY MATERIAL.

- SPECIAL OPERATIONS INCLUDING CONFINED SPACE ENTRY, HOT WORK, DECOMMISSIONING OF EQUIPMENT FOR REPAIRS REQUIRE PERMITS TO BE SIGNED BY AUTHORIZED PERSONNEL. A DESCRIPTION OF THE PROCEDURES WILL BE INCLUDED IN THE ENCLOSURE SECTION.

- TRENCHING OR EXCAVATIONS MUST BE SHORED OR SLOPED OR APPROPRIATELY PREPARED AS REQUIRED BY OSHA STANDARDS. A DESCRIPTION OF THE TECHNIQUES TO BE USED IS INCLUDED IN THE ENCLOSURE SECTION IF APPROPRIATE.



ENCLOSURE 3

WORK ZONE MAP

See (Page 5)



ENCLOSURE 4 DECONTAMINATION PROCEDURES

- ① Remove tyvek and gloves before leaving work area. Place in plastic bags.
- ② Dry decon with brushes and/or shovels.



ENCLOSURE 5 RESPIRATORY EQUIPMENT CLEANING, MAINTENANCE
AND STORAGE PROCEDURES

- ① Wash with soap and water.
- ② Water rinse and air dry.
- ③ Store in plastic bags.



ENCLOSURE 6 CWM INTERNAL CALL LIST

IN THE EVENT OF INJURY, FIRE, EXPLOSION, SPILL, RELEASE, OR OTHER NON-ROUTINE EVENT, IMMEDIATELY CONTACT ONE OF THE FOLLOWING PEOPLE, STARTING WITH

1. <u>Joe Zorn</u>	<u>(415) 770-0575</u>	<u>(415) 538-4628</u>
NAME	BUSINESS NO.	HOME NO.
<u>Don Shasky</u>	<u>(303) 289-4827</u>	<u>(303) 329-0906</u>
2. <u>August Octobauer</u>	<u>(415) 770-0575</u>	<u>(415) 651-4073</u>
NAME	BUSINESS NO.	HOME NO.
3. <u>Cheryl Grede</u>	<u>(415) 770-0575</u>	<u>(415) 551-8755</u>
NAME	BUSINESS NO.	HOME NO.
4. <u>Shari Samuels</u>	<u>(415) 651-2964</u>	<u>(415) 355-7699</u>
NAME	BUSINESS NO.	HOME NO.

sky pager 1-800-sky-page

Bob Hulet 20447

Don Shasky 20457



ENCLOSURE 7 HAZARDOUS WASTE OPERATIONS CONTINGENCY PLAN

GENERATORS NAME: Southern Union Gas Co.

LOCATION: 5 miles South of Lovington NM on Hwy 18

CONTACT: Russel Buss PHONE # 409-962-8888

PROJECT MANAGER: Bob Hulet

EMERGENCY PHONE NUMBERS:

POLICE 911 INTERPLANT _____

FIRE 911 HOSPITAL 505-392-6581

POISON CONTROL 911

NATIONAL SPILL RESPONSE CENTER _____

FEDERAL/LOCAL AGENCIES OCD 505-827-5812

HOSPITAL INFORMATION:

NAME: Lea County Regional

ADDRESS: _____

ROUTE TO: From ^{Lea} Refining Co. South of Hwy. 18
10 miles. Regional Hospital is on the right.

CONTACT: _____

ALTERNATE CONTACT: _____

EVACUATION ALARM DESCRIPTION: Verbal or Air Horn

LOCATION OF ALARM BOXES: _____

EVACUATION ROUTE DESCRIPTION: See page 5 (Site Layout)



ASSEMBLY AREA DESCRIPTION: Parking lot.

EVACUATION ROUTE/ EMERGENCY EQUIPMENT STATION MAP : *See (page 51).*



MEDICAL PROVIDER ROUTE MAP: *See Page 5)*



EMERGENCY EQUIPMENT:

- FIRST AID STATION
- FIRE EXTINGUISHERS
- EMERGENCY EYEWASH/SHOWER
- LIFELINE/HARNESS
- SCBAS
- AIR MONITORING EQUIPMENT
SPECIFY _____

- GLOVES
SPECIFY cotton

- BODY SUIT
SPECIFY _____

- BOOTS
SPECIFY _____

- OTHER PROTECTIVE EQUIPMENT
SPECIFY _____

- ABSORBENT
- SHOVELS
- SQUEEGEES
- OVERPACKS
- NEUTRALIZING MAT'L
- WALKY TALKIES
- OTHER SUPPORT EQPT
SPECIFY _____

LOCATION OF EMERGENCY EQUIPMENT _____



EMPLOYEES RECEIVED CONTINGENCY PLAN BRIEFING:

PRINT

SIGNATURE

Bob Hulet

Bob Hulet

John Meier

John Meier

Darrel Hellman

Darrel Hellman

CHEMICAL WASTE MANAGEMENT, INC.



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date Mar. 7 1990 Time 7:00 AM/PM
 Project Number 89-89-1598 Project Location Louington NM
 Client Southern Union Gas Client Address 5 mile S. of Louington on Hwy 1
 Project Activity (Specify): Mobilization, Begin excavation of
Chemome cont. waste around cooling tower.

— SAFETY TOPICS —

Chemical Hazards Chemome dust

Physical Hazards Stay clear of heavy equipment; stay clear of
excavations; Watch for slip, trip, fall; use proper lifting
techniques

Respiratory Protective Equipment Half face w/ OA cartridge
and dust filter while handling EP tox. chemome soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level C while
handling EP tox. otherwise modified level D.

Specific Instructions Utilize fire hoses to suppress dust

Hospital / Clinic Hobbs Health Care Center Phone (505) 392-6895

Hospital Address 5715 Louington Hwy Hobbs NM.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2931

Emergency Procedures Coast Guard for Toxic Spills 800-924-8802

— ATTENDEES —

NAME (Please Print)
John Meier
Shawn Nay

NAME (Signature)
John Meier
Shawn Nay

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor: Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project: Southern Union Gas Date Mar. 8, 1990 Time 7:00 AM PM
 Project Number 89-04-1598 Project Location Lawington NM
 Client Southern Union Gas Client Address 5 miles S of Lawington on Hwy 18
 Project Activity (Specify): Continue excavation of chrome cont. waste around cooling tower.

- SAFETY TOPICS -

Chemical Hazards Chrome dust

Physical Hazards Stay clear of heavy equipment; stay clear of excavations; watch for slip, trip, fall; use proper lifting techniques.

Respiratory Protective Equipment Half face of air cartridge and dust filter while handling EP tox chrome soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level C while handling EP tox. otherwise modified Level D

Specific Instructions Utilize fire hoses to suppress dust

Hospital / Clinic Hobbs Health Care Center Phone (505) 392-6895

Hospital Address 5715 Lawington Hwy Hobbs NM

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8902

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>Shaun Nay</u>	<u>Shaun Nay</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project: Southern Union Gas Date Mar 9, 1990 Time 6:30 AM/PM
 Project Number 89-24-1598 Project Location Lovington NM
 Client Southern Union Gas Client Address 5 miles S. of Lovington on Hwy
 Project Activity (Specify): Continue excavation of chrome cont
waste around cooling tower; cover waste piles.

— SAFETY TOPICS —

Chemical Hazards Chrome dust

Physical Hazards Stay clear of heavy equipment; stay clear of
excavations; watch for slip, trip, fall; use proper lifting
techniques.

Respiratory Protective Equipment Half face w/ not cartridge
and dust filters while handling EP tox. chrome soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level C while
handling EP tox. otherwise modified Level D

Specific Instructions Utilize fire hoses to suppress dust

Hospital / Clinic Hobbs ^{Lea Regional} Health Care Center Phone (505, 392-6845)

Hospital Address 5715 Lovington Hwy Hobbs NM

Paramedic (911) Fire Dept. (911) Police Dept (505, 397-2431)

Emergency Procedures Coast Guard 800-424-8802

— ATTENDEES —

NAME (Please Print)
John Meier
Shawn Ray

NAME (Signature)
John Meier
Shawn Ray

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor Bob Hulet

TAILGATE SAFETY MEETING

Division/subsidiary EMRAC / DENVER
Date: 3/12/90 Time: 0800 Project: 90-01-1598
Customer LEA REFINERY Address: Levinston, NEWARK, Highway 18
Customer Contact: RUSSELL BUSS Phone # 409-962-8888
Specific Job Location: COOLING TOWER
Type of Work: SOIL EXCAVATION & SAMPLE

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: LEVEL D MODIFIED - CHEM RESIST BOOTS, TYERS IF IN SOIL CONTACT.
Chemicals Used: CHROMIUM, ZINC
Chemical Hazards: AVOID SKIN CONTACT, AND IRRITATION IF DUSTY WATER AROUD AND WEAR DUST RESPIRATION IF NECESSARY
Physical Hazards: SLIP, TRIP & FALL, HEAVY EQUIPMENT OPERATION.
NO UNDERGROUND UTILITIES - EVERYTHING LOCKED OUT AND BLOCKED.

Emergency Procedures: EVAUATE TO FRONT PARKING LOT. NOTIFY KATHY AT FRONT DESK, FIRE OR AMBUANCE - 911
Special Equipment: _____

Hosp/Clinic: LEA County Hospital Phone: 392-6581 Paramedic Phone: _____
Hospital Address Highway 18 - SOUTH

ATTENDEES

<u>NAME PRINTED</u>	<u>SIGNATURE</u>
<u>Shawn May</u>	<u>Shawn May</u>
<u>John Meier</u>	<u>John Meier</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By: LARRY YOUNGLISS
Name Printed: _____ Signature: [Signature]

SUPERVISOR: Bob Helzer MANAGER: _____



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project: 90-04-1598 Date 3/13/90 Time 0807 AM/PM
 Project Number: SOUTHERN UNION GAS Project Location LOUNSTON Hwy.
 Client RUSSELL BASS Client Address same
 Project Activity (Specify): EXCAVATE UNDER COOLING TOWER CONTAINMENT WALL, BARK 2'

— SAFETY TOPICS —

Chemical Hazards Citronium

Physical Hazards SLIP, TRIP, FALL, HEAVY EQUIPMENT OPERATION, CAVE OFF, CAVE IN

Respiratory Protective Equipment LEVEL D MODIFIED - IF NO DUST, HEAVY MASK (RESPIRATOR) IF DUST AND AIRBORNE PARTICULATES

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) HEAVY EQUIPMENT OPERATORS - LEVEL D

Specific Instructions DO NOT STAND OR WORK NEAR EDGE OF DEEP EXCAVATION

Hospital / Clinic LEA REGIONAL HOSPITAL Phone (505)

Hospital Address LOUNSTON Hwy, 9 MILES SOUTH OF SITE

Paramedic (911) _____ Fire Dept. (911) _____ Police Dept. (911) _____

Emergency Procedures EVACUATE TO ASSEMBLY AREA, NOTIFY KATHY IN OFFICE, CALL 911 FOR FIRE OR ASSISTANCE

— ATTENDEES —

NAME (Please Print)
John Meier
Shawn May
Steve Fischer

NAME (Signature)
Johnny Meier
Shawn May
Steve P. Fischer

Meeting Conducted By LARRY YOUNGERS
 Supervisor Bob Hager

[Signature]



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project: Southern Union Gas Date Mar. 15, 1990 Time 7:00 ENRPM
 Project Number: 89-09-1598 Project Location Louington NM
 Client Russell Buss Client Address 5 miles S of Louington NM
 Project Activity (Soecity): Continue Excavation of overflow pond.
Segregate into 200 cy stockpiles

- SAFETY TOPICS -

Chemical Hazards Skin Contact and Inhalation of VOA'S
Benzene, Xylene, Naphthalene, Nitrobenzene, Toluene.

Physical Hazards Heavy Equipment Operation; open trenches;
slip, trip, & fall; Improper lifting techniques.

Respiratory Protective Equipment Half face w/ OA combination and
dust filter (Modified Level C)

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Steel Toe
Rubber boots, hard hat, safety glasses, gasket

Specific Instructions Warn before leaving overflow pond

Hospital / Clinic Lea Regional Phone (505, 1- 392-6581)

Hospital Address 5 miles north of Hobbs on Hwy 18

Paramedic (911) Fire Dept. (911) Police Dept (911)

Emergency Procedures _____

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

Shawn Nay

Shawn Nay

John Meier

John Meier

Meeting Conducted By Bob Hulet

Bob Hulet

Supervisor Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union 625 Date Mar. 16, 1990 Time 7:00 AM/PM
Project Number: 89-09-1598 Project Location Livingston NM
Client Russell Buss Client Address 5 miles E of Livingston N
Project Activity (Soecity): Continue Excavation of overflow Pond.
Segregate into 200 cy Stockpiles

— SAFETY TOPICS —

Chemical Hazards skin contact and Inhalation of VOC's
Benzene, xylene, Naphthalene, Nitrobenzene, Toluene

Physical Hazards Heavy Equipment operation; open trenches;
slip, trip, & fall; Improper lifting techniques.

Respiratory Protective Equipment Half face w/ air combination and
dust filter (Modified Level C)

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Steel Toe
Rubber boots, hard hat, safety glasses, tyvek

Specific Instructions Decon before leaving overflow pond

Hospital / Clinic Lee Regional Phone (505) 392-6581 1-392-6581 Long Distance

Hospital Address 9 miles south of site on Hwy 18

Paramedic (911) Fire Dept. (911) Police Dept. (911)

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>Shawn May</u>	<u>Shawn May</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By Bob Meier Bob Meier

Supervisor Bob Meier



DAILY SAFETY BRIEFING REPORT

Project: S.D. UNION GAS Date 3-19-80 Time 0630 AM/PM

Project Number: 89-04-1598 Project Location LOUINGTON NVA

Client RUSSELL BUSS Client Address 5 MILES S. OF LOUINGTON NVA

Project Activity (Specify): CONTINUE EXCAVATION OF OUFLOW POND;
SEGREGATE INTO 200 CU YD STOCK PILES;

- SAFETY TOPICS -

Chemical Hazards SILICA CONTACT AND INHALATION OF VOAs
BENZENE, XYLENE, NAPHTHALENE, NITROBENZENE, TOLUENE

Physical Hazards HEAVY EQUIPMENT OPERATION, OPEN TRENCHES,
SLIP, TRIP, FALL, LIFTING, UNEVEN GROUND

Respiratory Protective Equipment 1/2 MASK w/OA COMBINATION AND DUST
FILTER (MODIFIED LEVEL-C)

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) STEEL TOED
RUBBER BOOTS, HARD HAT, SAFETY GLASS, TYVEK

Specific Instructions DECON BEFORE LEAVING OUFLOW POND

Hospital / Clinic LEA REGIONAL Phone (505, 392-6581) ^(LONG DISTANCE)

Hospital Address 9 MILES SOUTH OF SITE ON HWY 18

Paramedic (911) Fire Dept. (911) Police Dept. (911)

Emergency Procedures EVAC TO OFFICE BUILDING

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

Shawn May

Shawn May

John Meier

John Meier

Meeting Conducted By Bob Huler

Bob Huler

Supervisor Bob Huler



DAILY SAFETY BRIEFING REPORT

Project: SO. UNION GAS Date 3-20-90 Time 0630 AM/PM

Project Number: 89-04-1598 Project Location LOUINGTON NMA

Client RUSSELL BUSS Client Address 5 MILES S. OF LOUINGTON NMA

Project Activity (Soecity): CONTINUE EXCAVATION OF OVERFLOW POND;
SEGREGATE INTO 200 CU YD STOCK PILES; LOAD OUT COOLING TOWER

- SAFETY TOPICS -

Chemical Hazards SILICA CONTACT AND INHALATION OF UOAs

BENZENE, XYLENE, NAPHTHALENE, NITROBENZENE, TOLUENE

Physical Hazards HEAVY EQUIPMENT OPERATION, OPEN TRENCHES,

SLIP, TRIP, FALL, LIFTING, UNEVEN GROUND

Respiratory Protective Equipment 1/2 MASK w/OA COMBINATION AND DUST

FILTER (MODIFIED LEVEL-C)

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) STEEL TOED

RUBBER BOOTS, HARD HAT, SAFETY GLASS, TYVEK

Specific Instructions DECON BEFORE LEAVING OVERFLOW POND

Hospital / Clinic LEA REGIONAL Phone (505, 392-6581) (LONG DISTANCE)

Hospital Address 9 MILES SOUTH OF SITE ON HWY 18

Paramedic () 911 Fire Dept. () 911 Police Dept. () 911

Emergency Procedures EVAC TO OFFICE BUILDING

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

Shawn May

Shawn May

John Meier

John Meier

Meeting Conducted By Bob Hulet

Bob Hulet

Supervisor Bob Hulet



DAILY SAFETY BRIEFING REPORT

Project: SO. UNION GAS Date 3-21-90 Time 0630 AM/PM
Project Number: 89-04-1598 Project Location LOUINGTON NVA
Client RUSSELL BUSS Client Address 5 MILES SO. OF LOUINGTON NVA
Project Activity (Specify): CONTINUE EXCAVATION OF OUFLOW POND;
SEGREGATE INTO 200 CU YD STOCK PILES; LOAD OUT COOLING TOWER

- SAFETY TOPICS -

Chemical Hazards SKIN CONTACT AND INHALATION OF UOAK,
BENZENE, XYLENE, NAPHTHALENE, NITROBENZENE, TOLUENE
Physical Hazards HEAVY EQUIPMENT OPERATION; OPEN TRENCHES,
SLIP, TRIP, FALL, LIFTING, UNEVEN GROUND
Respiratory Protective Equipment 1/2 MASK W/OA COMBINATION AND DUST
FILTER (MODIFIED LEVEL-C)
Safety / Personal Protective Equipment / Clothing (List specifically for each activity) STEEL TOED
RUBBER BOOTS, HARD HAT, SAFETY GLASS, TYVEK
Specific Instructions DECON BEFORE LEAVING OUFLOW POND

Hospital / Clinic LEA REGIONAL Phone (505, 392-6581) ^(LONG DISTANCE)
Hospital Address 9 MILES SOUTH OF SITE ON HWY 18
Paramedic () 911 Fire Dept. () 911 Police Dept. () 911
Emergency Procedures EVAC TO OFFICE BUILDING

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Mein</u>	<u>John Mein</u>
<u>Shirley Nay</u>	<u>Shirley Nay</u>
<u>DAVE OSKARSON</u>	<u>Dave Oskarsen</u>

Meeting Conducted By Bob Hulet Bob Hulet
Supervisor Bob Hulet



DAILY SAFETY BRIEFING REPORT

Project: SO. UNION GAS Date 3-22-90 Time 0630 AM/PM
 Project Number: 89-04-1598 Project Location LOUINGTON VA
 Client RUSSELL BUSS Client Address 5 MILES SO. OF LOUINGTON VA
 Project Activity (Specify): CONTINUE EXCAVATION OF OVERFLOW POND;
SEGREGATE INTO 200 CU YD STOCK PILES; LOAD OUT COOLING TOWER

- SAFETY TOPICS -

Chemical Hazards SILICA CONTACT AND INHALATION OF VOA's
BENZENE, XYLENE, NAPHTHALENE, NITROBENZENE, TOLUENE
 Physical Hazards HEAVY EQUIPMENT OPERATION; OPEN TRENCHES,
SLIP, TRIP, FALL, LIFTING, UNLEVEL GROUND
 Respiratory Protective Equipment 1/2 MASK w/OA COMBINATION AND DUST
FILTER (MODIFIED LEVEL-C)
 Safety / Personal Protective Equipment / Clothing (List specifically for each activity) STEEL TOED
RUBBER BOOTS, HARD HAT, SAFETY GLASS, TYVEK
 Specific Instructions DECON BEFORE LEAVING OVERFLOW POND

Hospital / Clinic LEA REGIONAL Phone (505) 392-6581 (LONG DISTANCE)
 Hospital Address 9 MILES SOUTH OF SITE ON HWY 18
 Paramedic () 911 Fire Dept. () 911 Police Dept. () 911
 Emergency Procedures EVAC TO OFFICE BUILDING

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>DAW OSKARSON</u>	<u>Daniel Oskarson</u>
<u>John Meier</u>	<u>John Meier</u>
<u>Shawn May</u>	<u>Shawn May</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By _____
 Supervisor Bob Hullett

DAILY SAFETY BRIEFING REPORT

Project: SOUTHERN UNION GAS Date 3-23-90 Time 0630 AM/PM
Project Number: 89-04-1590 Project Location SAMI WEST OF LEWINGTON
Client RUSSELL RUSSELL Client Address P.O. BOX 2000, GRADES TX
Project Activity (Soecity): LOAD OUT TRUCKS, EXCAVATE SOIL AND STOCK PILE, EQUIPMENT MAINTAINENCE

- SAFETY TOPICS -

Chemical Hazards INHALATION & SKIN CONTACT OF BENZENE, TOLUENE, NAPHTHALENE, NITROBENZENE, CHROANIUM
Physical Hazards SLIP TRIP FALL, HEAVY EQUIPMENT OPERATIONS, OPEN PITS, UNLEVEL GROUNDS, LIFTING, SHARP EDGES
Respiratory Protective Equipment 1/2 MASK ON/AG CARTRIDGES & DUST PRE FILTERS (DOWN GRADE IN SPECIFIED AREAS)
Safety / Personal Protective Equipment / Clothing (List specifically for each activity) POLYTYVEK RUBBER STEEL TOED BOOTS, GLOVES (DOWN GRADE IN AREAS)
Specific Instructions BE CAREFUL
Hospital / Clinic LEA COUNTY Phone (911)
Hospital Address 8 MI WEST ON HWY 18
Paramedic (911) Fire Dept. (911) Police Dept. (911)
Emergency Procedures EVAC. TO OFFICE BUILDING.

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>Shane Neri</u>	<u>Shane Neri</u>
_____	_____
_____	_____
_____	_____
Meeting Conducted By <u>DAVE OSKARSON</u>	<u>David Oskarson</u>
Supervisor <u>Bob Hulet</u>	



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM
 Project Number: 89-04-1598 Project Location Lovington N.M.
 Client Southern Union Gas Client Address 5 miles S. of Lovington - Hwy 18.
 Project Activity (Specify) _____

- SAFETY TOPICS -

Chemical Hazards zinc chromate dust, NOA²⁵ @
overflow pond
 Physical Hazards Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques.
 Respiratory Protective Equipment None
 Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat,
Safety glasses, steel toed safety boots
 Specific Instructions utilize fire hose for dust control particularly
@ cooling tower
 Hospital / Clinic Lea Regional Hospital Phone (505) 392-6845
 Hospital Address 5715 Lovington Hwy Hobbs N.M.
 Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431
 Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>Shawn Nay</u>	<u>Shawn Nay</u>
_____	_____
_____	_____
_____	_____
Meeting Conducted By <u>Bob Hulet</u>	<u>Bob Hulet</u>
Supervisor <u>Bob Hulet</u>	



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM

Project Number: 89-04-1598 Project Location Louington NM

Client Southern Union Gas Client Address 5 miles So. of Louington Hwy 18

Project Activity (Specify): _____

- SAFETY TOPICS -

Chemical Hazards Skin contact, inhalation due to contain
soil

Physical Hazards Stay clear of heavy equipment, stay clear of excavations
watch for slip trip, fall use proper lifting techniques

Respiratory Protective Equipment none

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hats

Safety glasses, steel toed boots

Specific Instructions utilize Fire Hoses for dust control

Hospital / Clinic Lea Regional Phone (505) 392-6845

Hospital Address 5715 Louington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Way

Shawn Way

Larry Youngless

Larry Youngless

Meeting Conducted By _____

Supervisor Bob Haller



ENHAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: March 27 Time: 6.30 AM PM
Project Number: 89-04-1598 Project Location: Louington N.M.
Client: Southern Union Gas Client Address: 5 miles S. of Louington - Hwy 18.
Project Activity (Specify): _____

- SAFETY TOPICS -

Chemical Hazards: inhalation + skin contact of zinc chromate dust, + VOAs at overflow pond
Physical Hazards: Stay clear of heavy equipment; stay clear of excavations; watch for slip, trip, fall; use proper lifting techniques.
Respiratory Protective Equipment: NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity): Hard Hat, Safety glasses, steel toed safety boots

Specific Instructions: utilize fire hose for dust control, particularly at cooling tower

Hospital / Clinic: Lea Regional Hospital Phone: (505) 392-6845

Hospital Address: 5715 Louington Hwy Hobbs N.M.

Paramedic: 911 Fire Dept.: 911 Police Dept.: 505-397-2431

Emergency Procedures: Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)
John Meier
Shawn Nay

NAME (Signature)
John Meier
Shawn Nay

Meeting Conducted By: Bob Hulet
Supervisor: Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: March 28, 1998 Time: 6:30 AM PM
Project Number: 89-04-1598 Project Location: Louington N.M.
Client: Southern Union Gas Client Address: 5 miles S. of Louington - Hwy 18.
Project Activity (Specify): _____

- SAFETY TOPICS -

Chemical Hazards: skin and inhalation contact with
contam. soil
Physical Hazards: Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques
Respiratory Protective Equipment: NONE
Safety / Personal Protective Equipment / Clothing (List specifically for each activity): Hard Hat,
Safety glasses, steel toed safety boots
Specific Instructions: utilize fire hoses for dust control

Hospital / Clinic: Lea Regional Hospital Phone: (505) 392-6845
Hospital Address: 5715 Louington Hwy Hobbs N.M.
Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431
Emergency Procedures: Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>Shawn Nay</u>	<u>Shawn Nay</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By: Bob Hulet
Supervisor: Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: March 29, 1990 Time: 6:30 AM/PM
Project Number: 89-04-1598 Project Location: Lovington N.M.
Client: Southern Union Gas Client Address: 5 miles S. of Lovington - Hwy 18.
Project Activity (Specify): _____

- SAFETY TOPICS -

Chemical Hazards: inhalation and skin contact due to
contam. soil

Physical Hazards: Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques.

Respiratory Protective Equipment: None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity): Hard Hat,

Safety glasses, steel toed safety boots

Specific Instructions: utilize fire hose for dust control

Hospital / Clinic: Lea Regional Hospital Phone: (505) 392-6845

Hospital Address: 5715 Lovington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures: Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By: Bob Hulet

Supervisor: Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: Mar. 30, 1994 Time: 6:30 AM/PM
Project Number: 89-04-1598 Project Location: Lovington, N.M.
Client: Southern Union Gas Client Address: 5 miles S. of Lovington - Hwy 18.
Project Activity (Specify): _____

— SAFETY TOPICS —

Chemical Hazards: inhalation and skin contact with
contam. soil

Physical Hazards: Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques.

Respiratory Protective Equipment: _____

Safety / Personal Protective Equipment / Clothing (List specifically for each activity): Hard Hat,
Safety glasses, steel toed safety boots

Specific Instructions: utilize fire hose for dust control

Hospital / Clinic: Lea Regional Hospital Phone: (505) 392-6845

Hospital Address: 5715 Lovington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. 505: 397-2431

Emergency Procedures: Coast Guard 800-424-8802

— ATTENDEES —

NAME (Please Print)

John Meier

Shawn Nay

NAME (Signature)

John Meier

Shawn Nay

Meeting Conducted By: Bob Hulet

Supervisor: Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM

Project Number: 89-04-1598 Project Location Louington N.M.

Client Southern Union Gas Client Address 5 miles S. of Louington - Hwy 18.

Project Activity (Specify) _____

- SAFETY TOPICS -

Chemical Hazards Skin contact + inhalation due to content
soil

Physical Hazards Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques.

Respiratory Protective Equipment none

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat,

Safety glasses, steel toed safety boots

Specific Instructions utilize fire hose for dust control

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6845

Hospital Address 5715 Louington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By Bob Hulet

Supervisor Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM

Project Number: 89-04-1598 Project Location Louington N.M.

Client Southern Union Gas Client Address 5 miles S. of Louington - Hwy 18.

Project Activity (Specify) _____

- SAFETY TOPICS -

Chemical Hazards skin contact and inhalation possibilities due to contam. soil

Physical Hazards Stay clear of heavy equipment; stay clear of excavations; watch for slip, trip, fall; use proper lifting techniques

Respiratory Protective Equipment NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, Safety glasses, steel toed safety boots

Specific Instructions utilize fire hose for dust control

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6845

Hospital Address 5715 Louington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By Bob Hulet

Supervisor Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM

Project Number: 89-04-1598 Project Location Livingston N.M.

Client Southern Union Gas Client Address 5 miles S. of Livingston-Hwy 18.

Project Activity (Specify) _____

- SAFETY TOPICS -

Chemical Hazards inhalation * skin contact due to contam soil

Physical Hazards Stay clear of heavy equipment; stay clear of excavations; watch for slip, trip, fall; use proper lifting techniques

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat,

Safety glasses, steel toed safety boots

Specific Instructions utilize fire hose for dust control

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6845

Hospital Address 5715 Livingston Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By Bob Hulet

Supervisor Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date _____ Time _____ AM/PM

Project Number: 89-04-1598 Project Location Lovington N.M.

Client Southern Union Gas Client Address 5 miles S. of Lovington - Hwy 18.

Project Activity (Specify) _____

- SAFETY TOPICS -

Chemical Hazards Skin contact + inhalation due to
contam. soil

Physical Hazards Stay clear of heavy equipment; stay clear
of excavations; watch for slip, trip, fall; use proper lifting techniques

Respiratory Protective Equipment _____

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat,

Safety glasses, steel toed safety boots

Specific Instructions utilize fire hose for dust control

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6845

Hospital Address 5715 Lovington Hwy Hobbs N.M.

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By Bob Hulet

Supervisor Bob Hulet



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: 4/18/90 Time: 0615 (AM) PM
Project Number: 89-04-1598 Project Location: 5 mi ^{south} west of Livingston
Client: Russel Buss Client Address: PO Box 2000
Project Activity (Specify): LOAD TRUCKS WITH STOCKPILED SOILS FROM OVERFLOW POND EXCAVATION

— SAFETY TOPICS —

Chemical hazards _____

Physical hazards stay clear of heavy equipment, stay clear of excavations, watch for slip trip fall. Use proper lifting.

Respiratory Protective Equipment Half face w/AA cartridge and dust filter while handling EP tox. Chaoine soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level C while handling EP tox otherwise modified Level D

Specific Instructions Utilize fire hoses to suppress dust

Hospital / Clinic Hobbs Health Care Phone (505) 392-6845

Hospital Address 5715 Livingston Hwy

Paramedic () 911 Fire Dept. () 911 Police Dept (505) 392-2431

Emergency Procedures Cost Guard 800-424-8802

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Shawn Nay

Shawn Nay

John Meier

John Meier

Meeting Conducted By LARRY JOURNALSS

Supervisor Bob Hulen

[Signature]



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date 4/19/90 Time 0615 AM/PM

Project Number: 89-04-1598 Project Location Louington NM.

Client Southern Union Gas Client Address 5 miles so. of Louington Hwy 18

Project Activity (Specialty): LOAD END DUMPS WITH SPECIALIZED SO'S
FROM OVERFLOW POND EXCAVATIONS

- SAFETY TOPICS -

Chemical Hazards _____

Physical Hazards Stay clear of heavy equipment, stay clear of excavations, watch for slip, trip, fall, use proper lifting techniques

Respiratory Protective Equipment _____

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) _____

Specific Instructions utilize Fire Hoses to suppress dust

Hospital / Clinic Lea regional Phone (505) 392 6845

Hospital Address 5715 Louington Hwy Hobbs NM

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures Coast Guard 800-424-8802

- ATTENDEES -

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>Johnny Meier</u>
<u>Shawn May</u>	<u>Shawn May</u>
_____	_____
_____	_____
_____	_____

NAME (Please Print)	NAME (Signature)
_____	_____
_____	_____
_____	_____
_____	_____

Meeting Conducted By LARRY YOUNGESS
Supervisor Bob Huler



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: 4/20/90 Time: 0615 (AM/PM)
Project Number: 89-04-15418 Project Location: Louington, NM.
Client: Southern Union Gas Client Address: 5 miles S. of Louington
Project Activity (Specify): LOAD 4 TRUCKS WITH EP TOX CONTAMINATED
SOIL TO TRANSPORT TO LAKE CHARLES, LOAD 7 TRUCKS WITH

- SAFETY TOPICS -

Chemical Hazards: ZINC CHROMATE - CARCINOGEN - AVOID SKIN
CONTACT, INHALATION + INGESTION, LEVEL-C PPE.

Physical Hazards: stay clear of equipment stay clear of
excavation watch for slip, trip, fall use proper lifting

Respiratory Protective Equipment: Half face w/PA cartridge and dust
filters while handling EP TOX CHROME SOIL

Safety / Personal Protective Equipment / Clothing (List specifically for each activity): LEVEL-C
PPE FOR EP TOX LOAD OUT, LEVEL D FOR OVERFLOW POND

Specific Instructions: LINE TRUCKS WITH PLASTIC.

Hospital / Clinic: Hobbs Health Care Center Phone: (505) 392-6845

Hospital Address: 5715 Louington Hwy Hobbs NM

Paramedic () 911 Fire Dept. () 911 Police Dept. (505) 397-2431

Emergency Procedures: Coast Guard 800 424-8802

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Nay

Shawn Nay

Meeting Conducted By: CARRY YOUNGLESS

Supervisor: Bob Hulet

[Signature]

TAILGATE SAFETY MEETING

Division/Subsidiary ENR/DEMOL
Date: 4/21/90 Time: 0715 Project: 89-04-1598
Customer SOUTHERN UNION GAS Address: 5 MILES SOUTH OF LOUINGTON
Customer Contact: RUSSELL BURS Phone # (505) 396-5821
Specific Job Location: OVERFLOW POND EXCAVATION
Type of Work: BACKFILL OVERFLOW POND EXCAVATION

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: LEVEL D - MODIFIED - ~~HEAVY~~ HATS, SAFETY GLASSES.

Chemicals Used: N/A

Chemical Hazards: N/A

Physical Hazards: SLIP, TRIP, FALL, HEAVY EQUIPMENT OPERATION, LIFTING, DRAGGING FIRE HOSE.

Emergency Procedures: CALL 911 FOR FIRE, AMBULANCE

Special Equipment: N/A

Hosp/Clinic: Hexas Health Care Center Phone: 392-6845 Paramedic Phone: 911

Hospital Address: 5715 LOUINGTON HWY.

ATTENDEES

NAME PRINTED

SIGNATURE

John Meier

John Meier

Sharon May

Sharon May

Meeting Conducted By: CARRY YOUNGESS
Name Printed

[Signature]
Signature

SUPERVISOR: Bob Hulet

MANAGER: _____



ENRAC
DAILY SAFETY BRIEFING REPORT

Project: Southern Union Gas Date: 4/23/90 Time: 0630 (AM/PM)

Project Number: 89-041598 Project Location: Lawton, N.M.

Client: Southern Union Gas Client Address: 5 miles S. of Lawton Hwy 18

Project Activity / Society: LOAD 11 END DUMPS WITH CONTAMINATED SOILS (WMA 02758) FROM OVERFLOW POND. BACKFILL OVERFLOW EXCAVATION.

LOAD END DUMPS WITH BACKFILL MATERIAL FROM COLLIER PIT.
- SAFETY TOPICS -

Chemical Hazards: PETROLEUM HYDROCARBONS - AVOID SKIN CONTACT

Physical Hazards: stay clear of equipment stay clear of excavation, watch for slip trip fall use proper lifting

Respiratory Protective Equipment: Half face w/OA cartridge and dust filters while handling EP tox chromic soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity): Level C while handling Ep tox. otherwise modified Level D

Specific Instructions: Use fine hoses to suppress dust

Hospital / Clinic: HOBBS HEALTH CARE Phone: (505) 392-6845

Hospital Address: 6715 Lawton Hwy HOBBS NM

Paramedic (): 911 Fire Dept. (): 911 Police Dept: 505-397-2431

Emergency Procedures: _____

- ATTENDEES -

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

Shawn Ray

Shawn Ray

Meeting Conducted By: LARRY JANSSEN

Supervisor: Bob Hale

TAILGATE SAFETY MEETING

Division/Subsidiary ENRAC/DENVER
Date: 4/24/90 Time: 0630 Project: 89.04.1598
Customer SOUTHERN UNION GAS Address: 1.5 miles South of Lovington
Customer contact: Russel Buss Phone # (505) 396-5821
Specific Job Location: Overflow Pond & Caliche Pit
Type of Work: LOAD END DUMPS WITH NON-REGULATED CONTAM. SOIL

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: LEVEL-D MODIFIED, HARD HAT & SAFETY GLASSES.

Chemicals Used: LOW LEVEL HYDROCARBONS (PETROLEUM)

Chemical Hazards: SKIN CONTACT + INHALATION.

Physical Hazards: SLIP, TRIP, FALL, HEAVY EQUIPMENT OPERATION, HEAVY TRUCK TRAFFIC.

Emergency Procedures: CALL 911 FOR FIRE/AMBULANCE.

Special Equipment: _____

Hosp/Clinic: ROSS HEALTH CARE Phone: 392-3845 Paramedic Phone: 911

Hospital Address 5715 Lovington Hwy.

ATTENDEES

NAME PRINTED

SIGNATURE

John Meier

John Meier

Shawn May

Shawn May

Meeting Conducted By: LARRY YOUNGLESS

Name Printed

Signature

SUPERVISOR: Bob Hulek

MANAGER: _____

TAILGATE SAFETY MEETING

Division/Subsidiary ENRAC / DENVER
Date: 4/29/90 Time: 0630 Project: 87-04-1598
Customer SOUTHERN UNION GM Address: FIVE MILES SOUTH OF COVINGTON
Customer Contact: RUSSELL BUSS Phone # (505) 396-5821
Specific Job Location: OVERFLOW AND EXCAVATION SITE & CRACKER PIT
Type of Work: LOAD END DUMPS WITH CONTAMINATED SOILS

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: LEVEL - D MODIFIED -
HARD HATS, SAFETY GLASSES, STEEL TOE BOOTS

Chemicals Used: PETROLEUM HYDROCARBONS

Chemical Hazards: SKIN CONTACT, INHALATION

Physical Hazards: SLIP, TRIP, FALL, HEAVY EQUIP. OPERATION

Emergency Procedures: CALL 911 FOR AMBULANCE / FIRE
NOTIFY SITE SAFETY OFFICER

Special Equipment: DOZER, LOADER

Hosp/Clinic: HOBBS HOSPITAL Phone: 392-3845 Paramedic Phone: 911

Hospital Address 5715 COVINGTON HWY.

ATTENDEES

NAME PRINTED

SIGNATURE

John Meier

John Meier

Meeting Conducted By: LARRY JONES
Name Printed Signature

SUPERVISOR: Bob Hult MANAGER: _____



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date Mon 6-25-90 Time 8:45 AM PM
 Project Number 89-04-1598 Project Location Lovington NM
 Client Russel Buss Client Address 5 miles S. of Lovington on Hwy 18
 Project Activity (Specify) Mobilization. Remove concrete and tank.

— SAFETY TOPICS —

Chemical Hazards Dust contaminated with non-hazardous chemme.

Physical Hazards Heavy equipment, open excavation, trip hazards, extreme heat

Respiratory Protective Equipment Half mask respirator with combination cartridges during excavation of contaminated soil

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard hat, safety glasses, steel toe boots, & tyvek coveralls.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids

Hospital / Clinic Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of the site on Hwy 18.

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures After verbal or visual — move to briefing area in main parking lot

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

John Meier
MANUEL Hoyos

John Meier
[Signature]

Meeting Conducted By Bob Hulet Bob Hulet
 Supervisor _____

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date Tue. 6-26-90 Time 8:00 AM PM
 Project Number B9-09-159B Project Location Lovington NM
 Client Russel Buss Client Address 5 miles S of Lovington on Hwy 18
 Project Activity (Specify) Excavation. Remove concrete and tank.

— SAFETY TOPICS —

Chemical Hazards Dust contaminated with non-haz. cheme.

Physical Hazards Heavy equipment, open excavation, trip hazards, heat exhaustion.

Respiratory Protective Equipment Half mask with combination cartridge during excavation of contaminated soil.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard hat, safety glasses, steel toe boots, & tyvek coveralls.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)
John Meier
MANOEL HOYOS

NAME (Signature)
John Meier
[Signature]

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor _____

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date 6-27-90 Time 7:30 AM/PM
 Project Number 89-04-1598 Project Location Lovington NM
 Client Russel Buss Client Address 5 mi S. of Lovington on Hwy 18
 Project Activity (Specify) Excavation. Remove tank with cherry picker.

— SAFETY TOPICS —

Chemical Hazards Dust contaminated with chrome.

Physical Hazards Heavy equipment, open excavation, trip hazards, heat exhaustion

Respiratory Protective Equipment Half mask with combination during excavation of EP Tox soil.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard hat, Safety glasses, steel toe boots, & tyvek coveralls.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles S. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)
John Meier
MANUEL Hoyos

NAME (Signature)
John Meier
[Signature]

Meeting Conducted By _____

Supervisor _____

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date 6-28-90 Time 7:30 AM PM
 Project Number 90-09-1548 Project Location Livingston NM
 Client Russel Russel Client Address _____
 Project Activity (Specify) Excavation, Haul caliche fill from pit to
 Stockpile adjacent to cooling tower

— SAFETY TOPICS —

Chemical Hazards None
 Physical Hazards Heavy equipment, open excavation, heat exhaustion
 Respiratory Protective Equipment None
 Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard hat,
 safety glasses, steel toe boots, & truck coveralls.
 Specific Instructions Suppress dust, take frequent breaks, drink
 plenty of liquids.
 Hospital / Clinic Las Regional Hospital Phone (505) 392-6581
 Hospital Address 10 miles S. of site on Hwy 18
 Paramedic () 911 Fire Dept. () 911 Police Dept () 911
 Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)	NAME (Signature)
<u>John Meier</u>	<u>John Meier</u>
<u>MANUEL Hoyos</u>	<u>[Signature]</u>
_____	_____
_____	_____

Meeting Conducted By Bob Hulet Bob Hulet
 Supervisor _____



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date 8-28-90 Time 12:30 AM/PM (PM)

Project Number 90-09-1598 Project Location Livingston NM

Client Russel Buss Client Address 15 miles N. of Hobbs on Hwy 18

Project Activity (Specify) Mobilize personnel & equipment to site.
Begin to slope back open excavation to OSHA standards

— SAFETY TOPICS —

Chemical Hazards None.

Physical Hazards Heavy Equipment, open excavation, heat stress.

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, safety glasses, steel toe boots, cotton gloves.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids. Review OSHA Trenching and Shoring require

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)
John Meier
Mandel Hoyos

NAME (Signature)
John Meier
[Signature]

Meeting Conducted By Bob Huller Bob Huller

Supervisor _____



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date 8-29-90 Time 19:00 AM PM
 Project Number 90-04-1548 Project Location Livingston NM
 Client Russel Buss Client Address 15 miles N. of Hobbs of Hwy 18
 Project Activity (Specify) Continue excavation at open excavation / Cooling Tower. (Slope back OSHA Standards.

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards Heavy equipment, open excavation, heat stress.

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, Safety glasses, steel toe boots, cotton gloves.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of site on Hwy 18.

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)
John Meier
Manuel Hoyos

NAME (Signature)
John Meier
[Signature]

Meeting Conducted By John Meier John Meier
 Supervisor Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date 8-30-90 Time 7:50 AM/PM
 Project Number 90-04-1598 Project Location Lovington N.M.
 Client Russel Buss Client Address 15 miles N. of Hobbs of Hwy 18
 Project Activity (Specify) Continue excavation at cooling tower to
put excavation in compliance with OSHA standards

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards ~~None~~ Heavy Equipment operations, open
excavation, slip, trip, fall, Heat stress

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat,
Safety glasses, steel toe Boots, cotton gloves

Specific Instructions suppress dust, take frequent breaks, drink
plenty of liquids.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

John Meier
MANUEL HOYOS

NAME (Signature)

John Meier
[Signature]

Meeting Conducted By John Meier John Meier

Supervisor Bob Huler

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date Aug. 31, 1990 Time 8:30 AM PM

Project Number 90-09-1590 Project Location Louington NM

Client Russel Buss Client Address 5 miles S. of Louington ^{on Hwy} 18

Project Activity (Specify) Continue Excavation @ Cooling Tower
To OSHA Standards

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards open Excavation, heavy equipment operation

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level 2.

Hard Hat, Safety Glasses, Steel toe boots, cotton gloves.

Specific Instructions Suppress dust, take frequent breaks,
drink plenty of liquids.

Hospital / Clinic Los Regional Hospital Phone () 392-6581

Hospital Address 10 miles S of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

John Meier

MANUEL HOGOS

NAME (Signature)

John Meier

[Signature]

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date Sept. 9, 1990 Time 8:30 AM / PM
 Project Number 90-04-1598 Project Location Lovington NM
 Client Russel Buss Client Address 5 miles south of Lovington ^{on Hwy 18.}
 Project Activity (Specify) Assemble shoring designed by Mike Cartwright.

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards Open Excavation, Heavy Equipment Operation.
Review OSHA Standards for Trenching and Excavation (29 CFR 1926.651 & 652)

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Level D.

Hard Hat, Safety glasses, steel toe boots, cotton gloves.

Specific Instructions Suppress dust, take frequent breaks, drink plenty of liquids.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles south of the site on Hwy 18.

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

John Meier

John Meier

1. Ruben Montoya

Ruben Montoya

2. GHARAPPA RASCON

Jose

3. Joe Acosta JR.

Joe A. Acosta Jr.

4. Moring Cuello

Moring Cuello

5. Joe C Acosta SR.

Meeting Conducted By Bob Hulet Bob Hulet

Supervisor Bob Hulet

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.

Ferguson

Ferguson
Construction



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project Southern Union Gas Date Sept. 5, 1980 Time 7:30 AM PM
 Project Number 90-04-1598 Project Location Lovington NM
 Client Russel Buss Client Address 5 miles S of Lovington on Hwy 18.
 Project Activity (Specify) Subgrade prep. and skoring construction @ Cooling Tower.

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards Heavy Equipment Operation, Open Excavation, Slip, Trip, Fall Hazards, Heat stress.

Respiratory Protective Equipment None required.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, Safety glasses, steel toe boots, cotton gloves.

Specific Instructions observe OSHA Trenching Standards, take frequent breaks, drink plenty of liquids

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles S. of the site on Hwy 18.

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print) John Meier

NAME (Signature) John Meier

Meeting Conducted By Bob Hulet

Supervisor Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept 5, 1990 Time 7 30 (AM)PM
 Project Number 90-04-1598 Project Location 5 miles so. of Louington
 Client Russell Buss Client Address 5 miles so. of Louington on Hwy 18
 Project Activity (Specify) Subgrade prep. and shoring construction
at Cooling Tower

— SAFETY TOPICS —

Chemical Hazards NONE

Physical Hazards Heavy Equipment Operation, Open excavation
Slip, Trip, Fall, Heat Stress

Respiratory Protective Equipment NONE Required

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) _____

Hard Hat, steeltoed Boots, safety glasses, cotton gloves

Specific Instructions Observe OSHA Regulations, take frequent breaks,
drink plenty of liquids

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of the site on Hwy 18

Paramedic (____) 911 Fire Dept. (____) 911 Police Dept (____) 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print) _____

John Meier

NAME (Signature) _____

John Meier

Meeting Conducted By John Meier

John Meier

Supervisor Bob Huler



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept. 7, 1990 Time 7³⁰ AM PM
 Project Number 90-04-1598 Project Location Louington N.M.
 Client Russel Buss Client Address 5 mile so. of Louington N.M. on Hwy 18
 Project Activity (Specify) Install shoring, subgrade prep, excavate the trench to OSHA Standards

— SAFETY TOPICS —

Chemical Hazards NONE

Physical Hazards Slip, trip, fall, Heavy equipment operations
open excavation, Heat stress

Respiratory Protective Equipment NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat
Safety glasses, steel toed Boots, cotton Gloves

Specific Instructions take frequent breaks, drink plenty of liquids
observe OSHA Regs.

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)
John Meier

NAME (Signature)
John Meier

Meeting Conducted By John Meier John Meier

Supervisor Bob Hulet



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept 8, 1990 Time 9:30 AM/PM
 Project Number 90-04-1598 Project Location Lovington N.M
 Client Russel Buss Client Address 5 miles so of Lovington, Hwy 18
 Project Activity (Specify) Subgrade prep excavate the trench
to OSHA standards

— SAFETY TOPICS —

Chemical Hazards NONE

Physical Hazards Slip, trip, Fall, Heavy Equipment operations
open excavation, Heat stress

Respiratory Protective Equipment NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat
Safety glasses, steel toed Boots, Cotton gloves

Specific Instructions take frequent breaks, drink plenty of liquids
observe OSHA Regulations

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

John Meier

Johnny Meier

Bob Hulet

Bob Hulet

Meeting Conducted By Johnny Meier Johnny Meier

Supervisor _____



ENRAC
DAILY SAFETY BRIEFING REPORT

Project So. Union Gas Date Sept 11, 1990 Time 745 AM PM
Project Number 90-04-1598 Project Location Livingston N.M.
Client Russel Buss Client Address 5 miles so. of Livingston on Hwy 18
Project Activity (Specify) excavate contaminated soil under the cooling tower with
VAC-Hoe and stockpile in 20 yd. piles

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, trip, fall, Heavy equipment operations, open trench, skin absorption
Installation, possible cave ins

Respiratory Protective Equipment Half mask with combination cartridge

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Respirator, Hard Hat
Safety glasses, Steel toed Boots, white tux, cotton gloves

Specific Instructions Level C when excavating or around the truck. Observe OSHA
Standards. Keep an eye on the shoring for possible shifting

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so of Livingston on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Johnny Meier
Steven P. Tischer
Darrin J. Unger
TIA REILLY

Johnny Meier
Steven P. Tischer
Darrin J. Unger } miller
TIA REILLY } pipette

Meeting Conducted By Johnny Meier Johnny Meier

Supervisor Bob Hullett

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept 12, 1990 Time 7:30 (AM/PM)
 Project Number 90-04-1598 Project Location Lovington N.M.
 Client Russel Buss Client Address 5 miles so. of Lovington Hwy 18
 Project Activity (Specify) excavate contaminated soil with vac-Ho^e from under
 the cooling tower and pile in 20yd. piles

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards slip, tripp fall. Equipment operations, open trench, skin
 absorption, Inhalation, Possible caveins, Heat stress

Respiratory Protective Equipment Halfmask with combo. cartridge

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, steel
 toed boots, safety glasses, white tyvek, cotton gloves

Specific Instructions Keep close observation on shoring, comply with OSHA
 standards, Level C Protection when excavating. Take frequent breaks
 Drink plenty of liquids

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Tim Rent
Darrin J. Unger
Steven P. Tischer

[Signature] } Miller Pipeline
Darrin J. Unger
Steven P. Tischer

Meeting Conducted By Johnny Meier
 Supervisor Bob Hulet

Johnny Meier



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept 13 Time 7:30 (AM)PM
 Project Number 90-04-1598 Project Location near Lovington N.M
 Client Russel Buss Client Address 5 miles so. of Lovington on Hwy 18
 Project Activity (Specify) excavate contaminated soil from cooling tower

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, Trip, Fall, open trench, skin absorption, Inhalation

Respiratory Protective Equipment Half mask with combo. cartridge

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, safety glasses, steel Toed Boots, Cotton gloves, white Tyvek

Specific Instructions Level C while excavating, observe OSHA standards. Keep eye on shoring, take frequent breaks, drink plenty of liquids

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)	NAME (Signature)
<u>TIMOTHY S RELL</u>	<u>Timothy S Rell</u>
<u>Darrin J. Hnger</u>	<u>Darrin J. Hnger</u>
<u>Steven P. Fischer</u>	<u>Steven P. Fischer</u>
_____	_____
_____	_____

Meeting Conducted By Johnny Meier Johnny Meier
 Supervisor Johnny Meier



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Sept 14, 1990 Time 7:40 AM/PM
 Project Number 90-04-1598 Project Location 5 miles of Lovington Hwy 18
 Client Russel Buss Client Address 5 miles so. of Lovington Hwy 18
 Project Activity (Specify) excavate contaminated soil from under cooling tower

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards slip, trip, fall, open trench, Heavy machinery operations
skin absorption, Inhalation, Heat stress, Injection

Respiratory Protective Equipment Half mask combo. cartridge

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, safety glasses, steel Toed Boots, cotton gloves, white Tyvek

Specific Instructions Level C while excavating, observe OSHA standards, (Keep an eye) shoring, take frequent breaks, drink plenty of liquids / Respir. Bags

Hospital / Clinic Lee Regional Hospital Phone (505) 392-6581

Hospital Address 10 miles so. of site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Johnny Meier

Johnny Meier

Darrel Hellman

Darrel Hellman

TIMOTHY S REALT

Timothy S Realt

Darrin J. Huger

Darrin J. Huger

Steven P. Fischer

Steven P. Fischer

Meeting Conducted By Darrel Hellman SSO

Supervisor Johnny Meier



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So Union Gas Date Sept. 15- 1990 Time _____ AM/PM
 Project Number 90-04- 1598 Project Location 5 miles So. of Lovington NM on Hwy 18
 Client Russel Byss Client Address Same
 Project Activity (Specify) Excavate contaminated soils from under the
Cooling tower

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, trip, Fall, open trench Heavy equipment
operations, Down grades, uneven surfaces, inhalation, Injection absorption
 Respiratory Protective Equipment Half Face Resp. (comb. cart.)
Heat Stress

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, SAFETY
glasses, steel toe Boots, gloves, Tyvek, SAFETY Lines Belts Harness.

Specific Instructions Level C while excavating, always observe OSHA
Standards and Regulation - keep an eye on the shoring (Break

Hospital / Clinic Lea Hospital Phone (505) 392 6581

Hospital Address 10 miles So. of So. Union Gas Job site on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

TIM REILLY
David Hellman
John Meier
Darrin J. Hager
Steven P. Fischer

Tim Reilly
David Hellman
John Meier
Darrin J. Hager
Steven P. Fischer

Meeting Conducted By David Hellman
 Supervisor John Meier



ENRAC
DAILY SAFETY BRIEFING REPORT

Project So. Union Gas Date Sept 19-90 Time 7:30

Project Number 90-04-1598 Project Location So. Union

Client Russel Buss Client Address Same

Project Activity (Specify) Excavate contaminated soils from under the cooling tower, place contaminated soil on visqueen

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, Trip, Fall open Trench Heavy Equip - Down grade, uneven surfaces, mud, inhalation, injection, abrasion

Respiratory Protective Equipment Half Face with Comb. Cart.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, Steel toe Boots gloves, Tyvek, safety lines, Belts Harnesses

Specific Instructions Level C while excavating observe OSHA standards and Regs. Keep close watch on shoring

Hospital / Clinic Lea Hospital Phone (205) 392-6581

Hospital Address 10 miles So. of So. Union Gas on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures evacuate out of hole (By tower) to clear zone By car and water station

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Darrel Hellman
Timothy S. Ray
Darrin J. Hager
John Meier
Steven P. Fischer

Darrel Hellman
Timothy S. Ray
Darrin J. Hager
John Meier
Steven P. Fischer

Meeting Conducted By Darrel Hellman

Supervisor John Meier



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date 9-18-90 Time 7:30 AM PM
 Project Number 90-04-1598 Project Location 5 miles So. of Lovington NM
 Client S Ruste Buss Client Address Same
 Project Activity (Specify) Excavate contaminated soils from under the cooling tower
place contaminated soil on curbside

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, Trip, Fall open Trench, Heavy Equip. operations
Uneven Surfaces inhalation, ingestion absorption

Respiratory Protective Equipment Half Face Resp. with comb. cart.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, steel toe
Boots, gloves tyvek, safety Lines, safety Belts, Harnesses

Specific Instructions Level C while excavating, observe OSHA
Standards and Regs. Keep close watch on the shoring.

Hospital / Clinic Lea Hospital Phone (505) 392-6581

Hospital Address 10 miles So. of So. Union Gas on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept. () 911

Emergency Procedures _____

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

TIMOTHY S REELI

Timothy S Reeli

Darrel Hellman

Darrel Hellman

Dannin J Unger

Dannin J Unger

John Meier

John Meier

Steven P. Tischer

Steven P. Tischer

Meeting Conducted By Darrel Hellman

Supervisor John Meier



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date 4-14-90 Time 7:30 AM/PM
 Project Number 90-04-1598 Project Location 5 miles So. of Louington 11m on Hwy 18
 Client Russel Byss Client Address Same
 Project Activity (Specify) Excavate contaminated soil from under cooling tower place contaminatal soil on Uisqueen

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, Trip, Fall, Open trench, Heavy Equip. operations, uneven surfaces, inhalation, injection, absorption

Respiratory Protective Equipment Half Face Resip. with Comb. Cart.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hats, Safety glasses, Steel toe Boots, gloves, Tyvek SAFETY Belts, SAFETY Lines

Specific Instructions Level C while excavating observe OSHA Standards and Regs. "Keep close watch on the shoring"

Hospital / Clinic Lea Hospital Phone (305) 392-6581

Hospital Address 10 miles So. of So. Union Gas on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures Evacuate to Support Zone

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Darrel Hellman

Darrel Hellman

Timothy S. Reed

Timothy S. Reed

Steven P. Fischer

Steven P. Fischer

John Meier

John Meier

Darrin J. Hinger

Darrin J. Hinger

Meeting Conducted By Darrel Hellman

Supervisor John Meier

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date 10-3-90 Time 2:25 AM/PM (P)
 Project Number 90-04-1598 Project Location 5 miles So. of Louington 1/4 m on Hwy 18
 Client Russel Byss Client Address Same
 Project Activity (Specify) Excavate contaminated soil from under cooling tower place contaminatal soil on Uisqueen

— SAFETY TOPICS —

Chemical Hazards Chrome Dust

Physical Hazards Slip, Trip, Fall open trench Heavy Equip. operations uneven surfaces, inhalation, injection absobtion

Respiratory Protective Equipment Half Face Resip. with Comp. Cart.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hats, Safety glasse, Steel toe Boots, gloves, Tyvek SAFETY Belts, SAFETY Lines

Specific Instructions Level C while excavating observe OSHA Standards and Regs. "Keep close watch on the shoring"

Hospital / Clinic Lea Hospital Phone (505) 392-6581

Hospital Address 10 miles So. of So. Union Gas on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures Evacuate to Support Zone

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Darrel Hellman

Darrel Hellman

Johnny Meier

Johnny Meier

Meeting Conducted By Darrel Hellman

Supervisor Darrel Hellman



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So Union Gas Date 10-4-90 Time 7:30 AM/PM
 Project Number 90-04-90 Project Location 5 miles So. of Louinton on Hwy 18
 Client Pugsel Buss Client Address Same
 Project Activity (Specify) Excavate Contaminated Soil from under cooling tower

— SAFETY TOPICS —

Chemical Hazards Chromie Dust

Physical Hazards Slip, Trip, Fall, Open Trench, Heavy Equip operations
Uneven Surfaces, inhalation, injection, absorption, noise

Respiratory Protective Equipment Half Face Resip. with Comb Curt.

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat + Safety
glasses + steel toe Boots gloves Tyvek Earplugs

Specific Instructions Level C while excavating observe OSHA standards
and Regs Keep close watch on the Shoring

Hospital / Clinic Lea Hospital Phone (505) 392-6581

Hospital Address 10 miles So. of So. Union Gas on Hwy 18

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures Evacuate to Support Zone

— ATTENDEES —

NAME (Please Print)
Darrel Hellman
Steven P. Tischler
John Meier

NAME (Signature)
Darrel Hellman
Steven P. Tischler
John Meier

Meeting Conducted By Darrel Hellman
 Supervisor Darrel Hellman



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date Oct 5 Time 7:30 AM/PM
 Project Number 90-04-1598 Project Location Lea Refinery
 Client Russel Buss Client Address 5 miles so of Livingston Hwy 18
 Project Activity (Specify) fill in Hole under tower with concrete

— SAFETY TOPICS —

Chemical Hazards NONE - ?

Physical Hazards slip, trip, fall, open excavation, trucks & heavy equipment operations
(Heat stress)

Respiratory Protective Equipment NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat
safety glasses, steel toed Boots, leather gloves

Specific Instructions take frequent breaks, drink plenty of liquids

Hospital / Clinic Lea Regional Hospital Phone (505) 392-6581
 Hospital Address 10 miles so. of site on Hwy 18
 Paramedic () 911 Fire Dept. () 911 Police Dept () 911
 Emergency Procedures evacuate to support zone

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Johnny Meier
Darrel Hoffman
Joe Acosta JR.
NARSISO CABELLO
JOE ACOSTA SR

Johnny Meier
Darrel Hoffman
Joe Acosta Jr.
Monica Cabell
Joe Acosta

Meeting Conducted By Darrel Hoffman
 Supervisor Darrel Hoffman



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date 10-8-90 Time 7:30 AM PM
 Project Number 90-04-1598 Project Location 5 miles S. of Lovington NM
 Client Russel Buss Client Address ↑
 Project Activity (Specify) Remove shoring on cooling tower + start to backfill trench

— SAFETY TOPICS —

Chemical Hazards none

Physical Hazards Slip, Trip, Fall Removing shoring

Respiratory Protective Equipment none

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat Safety glasses Steel toe Boots Leather gloves

Specific Instructions Be Careful in Trench as shoring is removed

Hospital / Clinic Lee Hospital Phone (505) 392-6581

Hospital Address 10 miles so of So. Union Gas site

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures evacuate to support zone

— ATTENDEES —

NAME (Please Print)	NAME (Signature)
<u>Darrel Hellman</u>	<u>Darrel Hellman</u>
<u>JOE ACOSTA JR.</u>	<u>Joe Acosta Jr.</u>
<u>JOE ACOSTA SR</u>	<u>Joe Acosta</u>
<u>MARCISO CABELLO</u>	<u>Marciso Cabello</u>
<u>Guadalupe C. Garcia</u>	<u>Guadalupe C. Garcia</u>
<u>Jerry Knipp</u>	<u>Jerry Knipp</u>
Meeting Conducted By <u>Darrel Hellman</u>	
Supervisor <u>Darrel Hellman</u>	



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So Union Gas Date 10-8-90 Time 3:00 AM/PM (M)
 Project Number 90-04-9598 Project Location _____
 Client Russel Bass Client Address _____
 Project Activity (Specify) Backfill Trench

— SAFETY TOPICS —

Chemical Hazards None

Physical Hazards Slip Trip Fall Heavy Equip. operations

Respiratory Protective Equipment None

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat

Safety glasses steel toe Boots

Specific Instructions Safety required in Trench

Hospital / Clinic Lea. Reg. Hospital Phone (505) 392-6581

Hospital Address 10 miles So. of So. Union Gas

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures Evacuate to Support

— ATTENDEES —

NAME (Please Print)
David Helms
DAVID HELMS
Steve Dickinson

NAME (Signature)
David Helms
D. Lyke
Steve Dickinson

Meeting Conducted By David Helms

Supervisor David Helms



**ENRAC
DAILY SAFETY BRIEFING REPORT**

So. Union Gas

Project 90-04-1598 Date 10-9-90 Time 7:25 AM/PM
 Project Number 90-04-1598 Project Location 5 miles So. Louington NM
 Client Russel Buss Client Address ↑
 Project Activity (Specify) Backfill shoring Trench / Load Hazardous waste

— SAFETY TOPICS —

Chemical Hazards None Chrome Dust when loading Trucks
 Physical Hazards Slip, Trip, Fall Heavy Equip. Operations
 Respiratory Protective Equipment Half Face when Loading Truck - OUA can't
 Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard Hat, Safety glass steel toe shoe Tyvek paper leather gloves when needed
 Specific Instructions Because of loud Equip. Ear Plugs in use. Safety needed when Rummaging Equip.
 Hospital / Clinic Lee Regional Hospital Phone (505) 342-6591
 Hospital Address 10 miles So. of work site
 Paramedic () 911 Fire Dept. () 911 Police Dept () 911
 Emergency Procedures Evacuate to support zone

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

DAVID PYLE

D. Pyle

Steve Dickinson

[Signature]

Meeting Conducted By Darrel Hellman

Supervisor Darrel Hellman

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.



**ENRAC
DAILY SAFETY BRIEFING REPORT**

Project So. Union Gas Date 10-10-90 Time 7:30 AMPM
 Project Number 90-04-1598 Project Location 5 miles S. of Lovington N.M.
 Client Russel Buss Client Address ↑
 Project Activity (Specify) Backfill trench

— SAFETY TOPICS —

Chemical Hazards none

Physical Hazards slip, trip, fall

Respiratory Protective Equipment NONE

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) Hard hat, Safety glasses, Steel toe boots, leather gloves

Specific Instructions watch out for equipment & bystanders

Hospital / Clinic Lee Hospital Phone (505) 392-6581

Hospital Address 10 miles So. of So. Union Gas site

Paramedic () 911 Fire Dept. () 911 Police Dept () 911

Emergency Procedures evacuate to support zone

— ATTENDEES —

NAME (Please Print)

NAME (Signature)

Steve Dickinson

Steve Dickinson

DAVE PYLE

D. Pyle

Meeting Conducted By Daniel Hillman

Supervisor Daniel Hillman



Certificate of Completion

this is to certify that

Donald Shosky

has successfully completed
training for Hazardous Waste Operations in compliance
with the requirements outlined in 29 CFR 1910.120 training

while an employee of
Chemical Waste Management, Inc.

on this 26th day of August - 1989

Quik Link

Health & Safety Manager

I acknowledge having received _____
Training while an employee of Chemical Waste Management, Inc.,

Employee Signature

Employer's Copy

Certificate of Completion

DON SHOSKY

has successfully completed the

8 HOUR SUPERVISOR TRAINING PER 29 CFR 1910.120

and in recognition thereof is hereby awarded

this certificate on this 8 day of SEPTEMBER 1989



Sharon Markle
Karan North - Health and Safety Manager

Certificate of Completion

This is to certify that

Bob Hulet

has successfully completed the

Chemical Waste Management, Inc.

Course in

*Health & Safety at Hazardous Waste Sites - 40 hrs. **

on this 3rd day of March, 1989

[Signature]
Trainer/Title M's MGR

[Signature]
Executive/Title Cheng O. Steele
Reg. Env. Health + Safety Mgr.

* per 29 CFR 1910.20



Certificate of Completion

this is to certify that

BOB HULET

has successfully completed

40 hour Site Safety Officer training

while an employee of

Chemical Waste Management, Inc.

on this 28th day of April - 1990

Robert C. Mack

Harold S. Speltz, Jr.



Certificate of Completion

this is to certify that

BOB HULET

has successfully completed

EIGHT HOURS SUPERVISOR'S SAFETY training

while an employee of
Chemical Waste Management, Inc.

on this 27th day of FEBRUARY - 1990

Robert Mulet

HEALTH & SAFETY MGR

I acknowledge having received _____
Training while an employee of Chemical Waste Management, Inc.,

Employee Signature



Certificate of Completion

this is to certify that

Larry Youngless

has successfully completed
training for Hazardous Waste Operations in compliance
with the requirements outlined in 29 CFR 1910.120 _____ training

while an employee of
Chemical Waste Management, Inc.

on this _____ 27th _____ day of _____ January - 1989

Health & Safety Manager

I acknowledge having received _____
Training while an employee of Chemical Waste Management, Inc.,

Employee Signature

Employer's Copy



Certificate of Completion

this is to certify that

JOHN MEIER

has successfully completed
training for Hazardous Waste Operations in compliance
with the requirements outlined in 29 CFR 1910.120 training

while an employee of
Chemical Waste Management, Inc.

on this 2nd day of March - 1990

Frank H. ...

Plant Safety Manager



Certificate of Completion

this is to certify that

John Meier

has successfully completed

8 Hr. Hazardous Waste Supervisor training

while an employee of

Chemical Waste Management, Inc.

on this 23rd day of August, 1990

Environ. Health + Safety Mgr. *Cheryl A. Gude*



Certificate of Completion

this is to certify that

Darrell Hillman

has successfully completed

40 Hours of Hazardous Waste Operations training

while an employee of

Chemical Waste Management, Inc.

on this 19th day of March, 1990

Paul V. Sude

Environmental Health & Safety Dept.

I acknowledge having received _____
Training while an employee of Chemical Waste Management, Inc.,

Employee Signature

Employer's Copy



Certificate of Completion

this is to certify that

DARRELL HELLMAN

502-88-2961

has successfully completed the

Chemical Waste Management, Inc.

Hazardous Waste Operations
Site Safety Officer Training
36 Hours

on this 27-31 day of AUGUST, 1990

Dennis E. Kenna
ENRAC Industrial Hygiene Specialist

Sharon A. Elmer
ENRAC Health and Safety Manager



Certificate of Completion

this is to certify that

Darrell Hellman

has successfully completed

8 Hr. Hazardous Waste Supervisor training

while an employee of

Chemical Waste Management, Inc.

on this 23rd day of August, 1990

Environ. Health + Safety Mgr. Cheryl A. Grede



Certificate of Completion

this is to certify that

SHAWN NAY

has successfully completed
training for Hazardous Waste Operations in compliance
with the requirements outlined in 29 CFR 1910.120 training

while an employee of
Chemical Waste Management, Inc.

on this second day of February, 1990

David M. [Signature]

Health & Safety Mgr.

I acknowledge having received _____
Training while an employee of Chemical Waste Management, Inc.,

Employee Signature

Employer's Copy

GERAGHTY & MILLER, INC.

National Spill Control School

This Certifies That

STEVE TISCHER

Has Completed a Field Course in Health and Safety
meeting the requirements of
29 CFR 1910.120
OSHA/RCRA Off-Site Safety Training
40 Hour Course

April 28, 1989

A Program of
Corpus Christi State University



George R. Oberholzer
Director

MILLER PIPELINE, INC.

Safety International Training Center
Midland, Texas

Certificate of Completion

This Is To Certify That

Darrin J. Unger

Has Satisfactorily Completed

The Course For Hazardous Waste Workers (40 Hours)

In Witness Whereof This Certificate Is Awarded on This 31st *Day of* August *A. D.*

Jesse Barrett

Director of Training



Instructor

Safety International Training Center
Midland, Texas

Certificate of Completion

This Is To Certify That

Timothy S. Reilly

Has Satisfactorily Completed The Course For Hazardous Waste Workers (40 Hours)

In Witness Whereof This Certificate Is Awarded on This 31st *Day of* August *A. D.*



Jesse Barrett

Director of Training

Instructor

APPENDIX D

**APPENDIX D
SCHEDULE OF WORK**

SCHEDULE OF WORK

<u>Date</u>	<u>Description</u>
02-12-90	Initial Geraghty & Miller soil sample (S-CT1) two feet below ground level and one foot beneath cooling tower (Step 1).
03-05-90	Began excavation of EP Toxicity chromium impacted soil delineated in the remedial plan dated 08-01-89 (Step 1).
03-08-90	Collected soil confirmation samples S-CT2 through S-CT10 from within the EP Toxicity excavated area (Step 1) (see Figure 3). Started excavating around cooling tower to remove total chromium impacted soil above 25 parts per million as delineated in the report dated 08-01-90 (Step 2).
03-09-90	Collected soil confirmation samples S-CT11 through S-CT16 from within the total chromium "scraped" area (Step 2) (see Figure 3).
03-12-90	Began deep excavation to remove total chromium impacted soils delineated in the report dated 08-01-90 (Step 3) to an anticipated depth of about 20 feet.
03-13-90	Collected composite sample S-CT17 from the total chromium impacted soil stockpile (Step 2). Collected composite sample S-CT18 and S-CT19 from the deep excavation stockpile (Step 3). Collected confirmation samples S-CT20 through S-CT29 from the bottom and walls of the deep excavation (Step 3) (see Figure 4). Collected composite stockpile sample S-CT30 for the soil excavated from the trackhoe ramp (Step 3).
03-19-90	Collected confirmation samples S-CT11B through S-CT16B six inches to one foot deeper in the "scraped" area from the original S-CT11 through S-CT16

sample sites (Step 2) (see Figure 4). The initial confirmation samples contained levels of total chromium higher than background.

03-20-90 Loaded plastic-lined, 30-cubic-yard end-dump trucks with approximately 20 cubic yards per truck to meet weight requirements. Trucks were loaded with stockpiled soil from Steps 2 and 3 which consisted of soils with chromium EP Toxicity laboratory analyses below 5 milligrams per liter (mg/L). These soils were transported to the Rio Rancho Sanitary Landfill, near Albuquerque, New Mexico.

03-23-90 Collected composite stockpile sample S-CT31 from the additional soil removed from the "scraped" area. This removed soil coincided with the confirmation samples collected on 03-19-90 (Step 2).

03-26-90 Collected confirmation samples S-CT12C and S-CT13C one-and-one-half feet and two feet below ground level, respectively. These two samples coincided with the original S-CT12 and S-CT13 confirmation samples, but were deeper (Step 2). Collected composite stockpile sample S-CT32 that represents the "scraped" area that corresponds to S-CT12C and S-CT13C.

03-27-90 Drilled directional soil boring BD-1 (Step 4). BD-1 was located on the east side of the cooling tower and drilled at a 45-degree angle from the horizontal to a point under the structure at a total depth of 40 feet. The location for this boring may be seen on Figure 5. Hollow stem core sample composites were collected from surface to total depth. Selected samples were chosen for laboratory analyses.

03-28-90 Drilled directional soil borings BD-2 and BD-3. Both soil borings were drilled at a 45-degree angle from horizontal beneath the cooling tower. BD-2 was located on the east side and BD-3 on the west side of the cooling tower. BD-

2 and BD-3 were drilled to a total depth of 30 feet and 40 feet, respectively. Hollow stem core sample composites were collected from surface to total depth. Selected samples were chosen for laboratory analyses. Locations for these soil borings may be found on Figure 5.

03-29-90 Drilled directional soil boring BD-4. This soil boring was located on the south side of the cooling tower and drilled at a 45-degree angle from horizontal beneath the structure. BD-4 was drilled to a total depth of 38 feet. Hollow stem core sample composites were collected from surface to total depth. Selected samples were chosen for laboratory analyses. The location of this soil boring may be found on Figure 5.

04-20-90 Loaded trucks with E P Toxicity chromium soils from the Step 1 excavation to be transported to the Chemical Waste Management, Inc. hazardous landfill at Carlyss, Louisiana.

06-26-90 Drilled directional soil boring BD-5. BD-5 was located on the east side of the cooling tower and drilled at a 65-degree angle from horizontal under the structure to a total depth of 44 feet. Location for this boring may be seen on Figure 5. Hollow stem core sample composites were collected from surface to total depth. Selected samples were chosen for laboratory analyses.

06-27-90 Drilled directional soil borings BD-6 and BD-7. BD-6 was drilled on the east side of the cooling tower at a 55-degree angle from horizontal beneath the structure to a total depth of 55 feet. BD-7 was located on the east side of the cooling tower at a 65-degree angle measured from the east wall. The boring was drilled at a 65-degree angle from horizontal beneath the structure to a total depth of 45 feet. Hollow stem core sample composites were collected from surface to total depth on both these wells. Selected samples were

chosen for laboratory analyses. The location of this boring may be seen on Figure 5.

06-28-90 Drilled directional soil boring BD-8. BD-8 was located on the north side of the cooling tower at a 55-degree angle measured from the north wall. The boring was drilled at a 75-degree angle from horizontal beneath the structure. The total depth of BD-8 was 50 feet. Hollow stem core sample composites were collected from surface to total depth on both these wells. Selected samples were chosen for laboratory analyses. Location for this boring may be seen on Figure 5.

08-29-90 Began sloping the Step 3 excavation walls to meet the U. S. Occupational Safety & Health Administration (OSHA) requirements.

09-07-90 Cooling tower shoring was constructed and put in place to meet OSHA requirements. Parkhill, Smith and Cooper engineer inspected shoring.

09-10-90 Began excavating soil beneath the cooling tower with a vacuum truck (Vac-Hoe). Vacuumed soil was stockpiled on plastic and covered. Soil boring BD-1 was located with the Vac-Hoe. The grout and the soil within a two-foot radius was removed along the length of the soil boring. Using a model constructed with the impacted soil borings presented, excavation of the soils was directed by G&M personnel to remove the identified impacted soil boring intervals. Figure 5 presents the final excavation configuration.

09-11-90 Collected composite stockpile sample S-CT35 from the angle borehole cuttings and additional soil from the slope shaping. Excavation along soil boring BD-1 was completed and soil confirmation samples S-CT36 and S-CT37 were collected from within the resultant tunnel with an extendable hand

auger. Located soil boring BD-6 with the Vac-Hoe and removed soil along the length of it that was in proximity to boring BD-1.

09-12-90 Collected composite stockpile sample S-CT38 which represented soil removed from the BD-1 and BD-6 excavation process.

09-15-90 Collected soil confirmation samples S-CT39 and S-CT40 with the extendable hand auger to represent boring BD-6 excavated area.

09-16-90 Began excavating toward soil boring BD-5. Determined that the Vac-Hoe could not remove the remaining impacted soils. Well cemented sediments were encountered.

09-19-90 Collected soil confirmation samples S-CT41 and S-CT42 in the sidewalls of the excavation from a depth of 35 feet below ground level. Collected composite stockpile sample S-CT43 to represent soil removed in excavating toward boring BD-5. Demobilized to assess options in excavating towards boring BD-5.

10-04-90 Excavated with a trackhoe to 42 feet below ground level. Visually located and identified the grout from soil boring BD-5. Collected composite stockpile sample S-CT43 to represent soil removed on this date. Collected confirmation samples S-CT44 and S-CT45 with an extendable hand auger from the bottom of the excavation.

10-05-90 Built forms and completely backfilled excavation beneath the cooling tower with concrete.

10-08-90 Removed the shoring beneath the cooling tower and began backfilling the Step 3 excavation with clean soil.

10-09-90 Loaded trucks with stockpiled soil from the Step 4 excavation. Soil was transported to the Rio Rancho Sanitary Landfill near Albuquerque, New Mexico.

10-10-90 Placed one foot of clay over the backfilled area. Installed a 25 foot by 25 foot 30 millimeter (mm) plastic liner on the east side of the cooling tower. Placed a 60 foot by 80 foot, liner on the north side of the cooling tower. Brought the surface to grade with one foot of clay. Spread caliche pavement over the clay.

APPENDIX E

APPENDIX E
BORING LOGS

BORING LOG

ELEVATION

TIME

Ground Level Not Available

Start 0900

Water Level Dry

Finish 1130

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS	
					EP TOX mg/L	Cr (Total Cr) mg/kg
		Auger Cut		0 - 5' Caliche; white, buff, firm, dry	0.28	(15.40)
5				5 - 7' Caliche; white, buff, moderately firm, some powdery, dry		
7				7 - 12' Clay; white, buff, trace gray color, powdery	0.17	(9.10)
10		Core				
12				12 - 17' Clay; white, buff, tan powdery, dry		
17				17 - 20' Clay; white, buff, trace tan, powdery, dry	2.75	(33.20)
20				20 - 22' Silt; tan, soft, moist, slightly mottled		
22				22 - 27' Silt; tan to light brown, very fine-grained, moist.	2.04	(23.90)
27				27 - 29' Silt; tan, very fine-grained, loose, moist		
29				29 - 32' Silt; buff, cream, very fine-grained, consolidated, moist, some yellow staining	6.60, 8.90	(76.80)
32				32 - 27' Sand; brown to reddish-brown, very fine-grained, well-sorted, loose, slightly damp	0.08	(25.53)
37				37 - 39' Sand; brown to orange-brown, loose, moist		
40		40		39 - 40' Sand; tan, very fine-grained, some consolidated, moist	2.10	(26.17)
<p><u>Explanation:</u> BD-1, Angle Boring, 45 degree depression angle Total Depth (along 45 degree axis): 40' Total Depth (along vertical axis): 28.3' Boring Location: See Boring Location Map</p>						

DATE: 3-27-90	CLIENT Southern Union Gas Company PROJECT Lea Refinery, Cooling Tower LOCATION Lovington, New Mexico	BORING NO. BD-1
GERAGHTY & MILLER, INC. Environmental Services		

BORING LOG

ELEVATION

TIME

Ground Level Not Available
 Water Level Dry

Start 0915
 Finish 1120

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS
					EP TOX Cr (Total Cr) mg/L mg/kg
		Auger Cut		0 - 5' Caliche; white, buff, very hard, dry, no staining	0.22 (10.32)
5		5 - 7' Caliche; white, buff, soft, dry			
7		7 - 12' Caliche; tan, buff, firm, slightly damp, mottled, sandy in parts			0.18 (7.36)
10		Core		12 - 17' Silt; tan, buff, firm, slightly damp, some mottling	
12					
17		17 - 22' Silt; tan, buff, white, damp, some calcareous inclusions			0.23 (16.91)
20		22 - 27' Silt; tan, light brown, damp, some calcareous inclusions			
22		27 - 30' Silt; tan, light brown, damp, trace calcareous inclusions			0.16 (26.76)
27					
30		30			
40					
50					
				<p><u>Explanation:</u> BD-2, Angle boring, 45 degree depression angle</p> <p>Total Depth (along 45 degree axis): 30'</p> <p>Total Depth (vertical axis): 21.2'</p> <p>Boring Location: See Boring Location Map</p>	

DATE: 3-28-90	CLIENT Southern Union Gas Company PROJECT Lea Refinery, Cooling Tower LOCATION Lovington, New Mexico	BORING NO. BD-2
		

BORING LOG

ELEVATION

TIME

Ground Level Not Available

Start 1430

Water Level Dry

Finish 1700

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS EP TOX Cr (Total Cr) mg/L mg/kg
0 - 3'		3	Core	Caliche; white, buff, powdery, dry	
3 - 5'		5		Same as above	
5 - 10'				Caliche; white powdery, dry to moist	0.31 (11.96)
10 - 15'		10		Caliche and silt; white to buff, moist	
15 - 20'		15		Same as above	0.20 (5.46)
20 - 25'		20		Silt; sandy, white to pink, moist	
25 - 30'		25		Sand; pink-brown, fine'grained, loose, moist	0.21 (*5.00)
30 - 35'		30		Same as above	
35 - 40'		35		Same as above	0.12 (5.55)
40 - 50'		40			
				<p><u>Explanation:</u> BD-3, Angle Boring, 45 degree depression angle</p> <p>Total Depth (along 45 degree axis): 40'</p> <p>Total Depth (vertical axis): 28.3'</p> <p>Boring Location: See Boring Location Map</p> <p>*Less Than</p>	

DATE: 3-28-90

CLIENT Southern Union Gas Company
 PROJECT Lea Refinery, Cooling Tower
 LOCATION Lovington, New Mexico

BORING NO.

BD-3



BORING LOG

ELEVATION

TIME

Ground Level Not Available

Start 0845

Water Level Dry

Finish 1215

DEPTH-FT.	SAMPLED ANALYZE	TYPE NO.	LITHOLOGY	DESCRIPTION	REMARKS	
					EP TOX Cr mg/L	(Total Cr) mg/kg
				0 - 5'	Caliche; buff, very hard	
		5		5 - 8'	Caliche; silty, buff-white	
		6				
		Core				
		9		8 - 9'	Caliche; purple-white, very hard	1.25 (7.92)
10				9 - 13'	Caliche; silty, tan-pink	
		14		13 - 18'	Same as above	
		18				
20				18 - 23'	Caliche; silty, tan-pink with brown sand	0.32 (6.29)
		23		23 - 28'	Clay; silty, white and tan with pink-brown silty sand	0.19 (*5.00)
		28		28 - 33'	Sand; silty, pink-brown, loose	
30						
		33		33 - 38'	Same as above	1.43 (17.29)
		38				
40						
50						
				<p><u>Explanation:</u> BD-4, Angle Boring, 45 degree depression angle</p> <p>Total Depth (along 45 degree axis): 38'</p> <p>Total Depth (along vertical axis): 26.9'</p> <p>Boring Location: See Boring Location Map</p> <p>*Less Than</p>		

DATE: 3-29-90

CLIENT Southern Union Gas Company
 PROJECT Lea Refinery, Cooling Tower
 LOCATION Lovington, New Mexico

BORING NO.

BD-4



BORING LOG

ELEVATION

TIME

Ground Level Not Available
 Water Level Dry

Start 1005
 Finish 1530

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS	
					EP TOX: Cr mg/L	(Total Cr) mg/kg
0 - 4'				Caliche; white, buff, very fine crystalline, powdery, dense, hard		
4 - 9'		4		Caliche; white, buff, trace of tan, very fine crystalline, powdery		
9 - 10'				Same as above		
10 - 14'				Silt, tan, buff, very fine-grained, powdery		
14 - 15'		14		Caliche; white, buff, very fine crystalline		
15 - 19'		Core		Silt; tan, buff, very fine-grained	0.74	(*10.00)
19 - 20'		19		Caliche; white gray, very fine crystalline, very hard		
20 - 24'				Silt; tan, light brown, very fine-grained, slightly moist		
24 - 26'		24		Caliche; white, light gray, buff, very fine crystalline, crumbly, moist, bright yellow when dry		
26 - 29'				Sand; brown, very fine-grained, well-sorted, friable, moist, dull yellow tint when dry	2.06	(13.99)
29 - 34'		29		Sand; brown, tan, very fine-grained, well-sorted, friable, moist, dull yellow tint when dry	3.44	(37.76)
34 - 39'		34				
39 - 45'		39		Same as above	6.48	(59.36)
44		44				
50						

Explanation: BD-5, Angle Boring, 65 degree depression angle
 Total Depth (along 65 degree axis): 45'
 Total Depth (along vertical axis): 40.8'
 Boring Location: See Boring Location Map
 *Less Than

DATE: 6-26-90



CLIENT Southern Union Gas Company
 PROJECT Lea Refinery, Cooling Tower
 LOCATION Lovington, New Mexico

BORING NO.

BD-5

BORING LOG

ELEVATION

TIME

Ground Level Not Available

Start 1630

Water Level Dry

Finish 0945

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS	
					EP TOX Cr	(Total Cr)
					mg/L	mg/kg
0 - 5'				Caliche; white, tan, massive, very hard		
5 - 7'		5		Same as above		
7 - 10'		Auger Cut		Caliche; white, buff, very fine crystalline, soft, powdery, dry	0.56	(11.40)
10 - 15'		10		Caliche; white, buff, very fine crystalline, soft, dry		
15 - 19'		15		Silt; tan, buff, very fine-grained, slightly moist		
19 - 20'		Core		Sand; brown, tan, very fine-grained, silty, well-sorted, slightly moist	1.04	(10.19)
20 - 25'		20		Same as above	0.96	(10.83)
25 - 27'		25		Same as above	4.02	(21.91)
27 - 29.5'				Caliche; white, buff, tan crumbly, damp, yellow-staining		
29.5 - 30'		30		Sand; brown, very fine-grained, well-sorted, friable, moist	2.86	(26.65)
30 - 35'				Same as above		
35 - 40'		35		Sand; brown, tan, very fine-grained, well-sorted, friable, moist		
40 - 44'		40		Sand; tan, very fine-grained, well-sorted, friable, moist		
44 - 45'		45		Sand; tan, very fine-grained, well-sorted, friable, moist	0.99	(*10.00)
45 - 50'				Sand; tan, very fine grained, well-sorted, friable, trace cemented, moist		
50 - 55'		50		Sand; tan, very fine-grained, well-sorted, friable, 20% cemented, mostly dry	0.36	(*10.00)
				<p><u>Explanation:</u> BD-6, Directional Boring, 55 degree depression angle</p> <p>Total Depth (along 55 degree axis): 55'</p> <p>Total Depth (vertical axis): 45.1'</p> <p>Boring Location: See Boring Location Map</p> <p>*Less Than</p>		

DATE: 6-26-90 to 6-27-90



CLIENT Southern Union Gas Company
 PROJECT Lea Refinery, Cooling Tower
 LOCATION Lovington, New Mexico

BORING NO.

BD-6

BORING LOG

ELEVATION

TIME

Ground Level Not Available
Water Level Dry

Start 1135
Finish 1620

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS
					EP TOX Cr (Total Cr) mg/L mg/kg
0 - 10'			Caliche	Caliche; white, buff, very fine crystalline, powdery, trace hard, dry	
10 - 15'			Caliche	Caliche; white, buff, very fine crystalline, crumbly, some hard, dry	
15 - 16'			Caliche	Caliche; white, buff, very fine crystalline, crumbly, slightly moist	
16 - 20'			Sand	Sand; tan, brown, very fine-grained, friable, moist	
20 - 22'			Sand	Sand; tan, very fine-grained, well-sorted, friable, moist	
22 - 23'			Caliche	Caliche; sandy, white, tan, buff, crumbly, moist	
23 - 25'			Caliche	Caliche; white, buff, very fine crystalline, dense hard, some crumbly	1.23 (*5.00)
25 - 27'			Sand	Same as above, yellow-staining, brighter when dry	
27 - 30'			Sand	Sand; tan, brown, very fine-grained, well-sorted, friable, moist	1.47 (34.3)
30 - 34'			Sand	Sand; tan, light brown, very fine-grained, well-sorted, friable, moist	0.69 (6.88)
34 - 35'			Sand	Same as above except dry	
35 - 40'			Sand	Same as above except moist, yellow when dry	
40 - 45'			Sand	Same as above	4.09 (34.6)
<p><u>Explanation:</u> BD-7, Angle Boring, 65 degree depression angle</p> <p>Total Depth (along 65 degree axis): 45'</p> <p>Total Depth (along vertical axis): 40.8'</p> <p>Boring Location: See Boring Location Map</p> <p>*Less Than</p>					

DATE: 6-27-90



CLIENT Southern Union Gas Company
PROJECT Lea Refinery, Cooling Tower
LOCATION Lovington, New Mexico

BORING NO.

BD-7

BORING LOG

ELEVATION

TIME

Ground Level Not Available
 Water Level Not Applicable

Start 1930
 Finish 1040

DEPTH-FT.	SAMPLED ANALYZE	TYPE/NO.	LITHOLOGY	DESCRIPTION	REMARKS	
					EP TOX Cr mg/L	(Total Cr) mg/kg
		Auger Cut		0 - 5'	Caliche; white, very fine crystalline, dense very hard, dry	0.76 (26.5)
		5		5 - 10'	Caliche; white, buff, very fine crystalline, dense, hard, dry	*0.30 (10.66)
10		10		10 - 15'	Silt; white, buff, very fine-grained, powdery, soft, dry	
		15		15 - 16'	Same as above	
		Core		16 - 20'	Sand; tan, brown, very fine-grained, well-sorted, friable, slightly moist.	
20		20		20 - 25'	Sand; tan, brown, very fine-grained, well-sorted, friable, moist, silty to clayey in the bottom foot	0.60 (*5.00) 0.64 (*5.00)
		25		25 - 30'	Sand; tan, light brown, very fine-grained, well-sorted, friable, moist, 6" of grout in core	1.14 (15.8)
30		30		30 - 35'	Sand; tan, very fine-grained, well-sorted, consolidated, firm	1.66 (11.2)
		35		35 - 40'	Sand; tan, very fine-grained, well-sorted, friable, dry yellow-staining	
40		40		40 - 45'	Sand; tan, very fine-grained, well-sorted, friable to consolidated, dry, no yellow tint	
		45		45 - 50'	Sand; tan, very fine-grained, well-sorted, friable, dry, no yellow tint	*0.30 (*5.00)
50		50		Explanation: BD-8, Angle Boring, 75 degree depression angle Total Depth (along 75 degree axis): 50' Total Depth (vertical axis): 48.3' Boring Location: See Boring Location Map *Less Than		

DATE: 6-27-90 to 6-28-90



CLIENT Southern Union Gas Company
 PROJECT Lea Refinery, Cooling Tower
 LOCATION Lovington, New Mexico

BORING NO.
 BD-8

APPENDIX F

APPENDIX F
LABORATORY ANALYSES

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Southern Union	Report No.	<u>64999</u>
Delivered by:	A. Schmidt	Report Date	<u>2-19-90</u>
Identification:	Soil Sample No. SCT-1, Sampled 2-12-90 @ 1:10 pm by Allan Schmidt	Date Received	<u>2-12-90</u>

Total Chromium _____ *20 mg/kg
 EP Toxicity Chromium _____ * 1 mg/L

*Denotes "less than"

Method: SW846

Reviewed by: LLC

Technician: LLC, ABJ

Copies: Reed & Associates

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Jack H. Bunker

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65417</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT1, Sampled 3-7-90 by Steve Tischer	Date Received	<u>3-08-90</u>

*Un-
rated
fuel*

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	15	3-11-90	A. Johnston	SW846,3010/7190
Total Chromium mg/kg	381	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician:

ABJ

Copies:

Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65418</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT2, Sampled 3-7-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190
Total Chromium mg/kg	37	3-14-90	A. Johnston	SW846,3050/7190

*Denotes "less than"

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller


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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65419</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT3, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	1.3	3-11-90	A. Johnston	SW846,3010/7190

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65420</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT4, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190

*Denotes "less than"

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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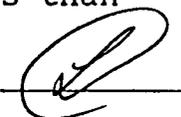
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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65421</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT5, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190

*Denotes "less than"

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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 Albert Johnston

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65422</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT6, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846, 3010/7190

*Denotes "less than"

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller


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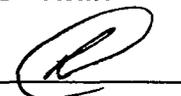
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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65423</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT7, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190

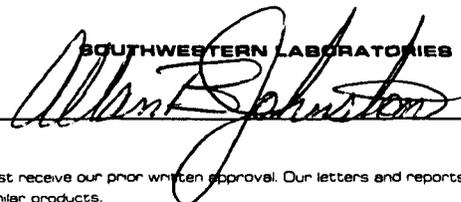
*Denotes "less than"

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65424</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT8, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190

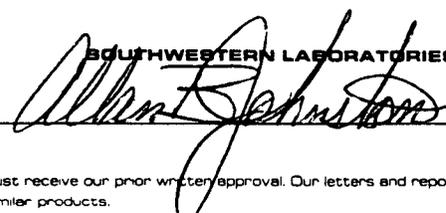
*Denotes "less than"

Reviewed by: 

Technician: ABJ

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65425</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT9, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	1.5	3-11-90	A. Johnston	SW846, 3010/7190

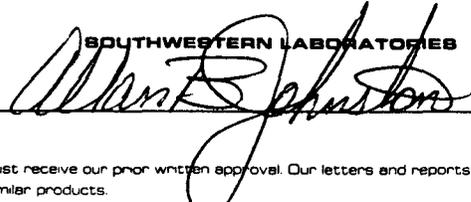
*Denotes "less than"

Reviewed by: 

Technician: ABJ

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65426</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT10, Sampled 3-8-90 by Steve Tischer	Date Received	<u>3-08-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*1	3-11-90	A. Johnston	SW846,3010/7190

*Denotes "less than"

Reviewed by: 

Technician:

ABJ

Copies:

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65451</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT11, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

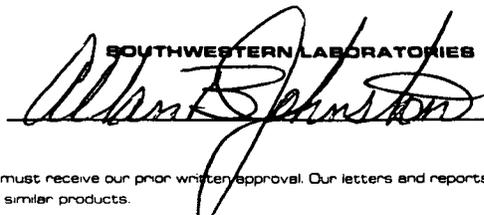
<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	57	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65452</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT12, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

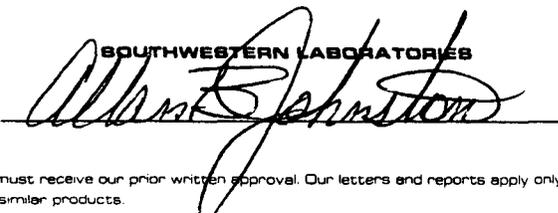
<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	122	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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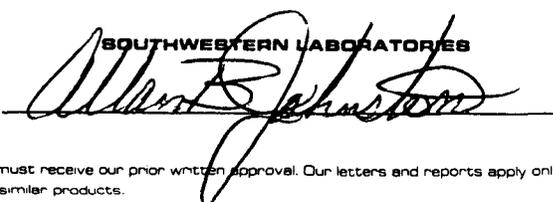
Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65453</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT13, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	261	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician: ABJ

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65454</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT14, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

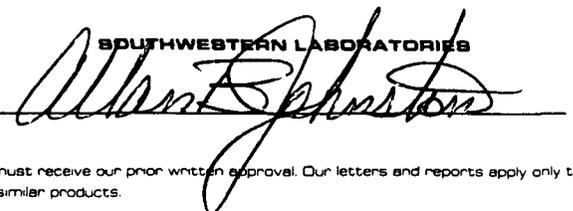
<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	404	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65455</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT15, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

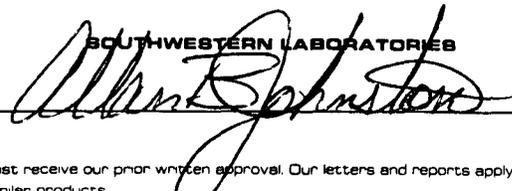
<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	102	3-14-90	A. Johnston	SW846,3050/7190

Reviewed by: 

Technician: ABJ

Copies: Geraghty & Miller

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Report of tests on:	Soil	File No.	<u>6736900</u>
Client:	Geraghty & Miller	Report No.	<u>65456</u>
Delivered by:	Steve Tischer	Report Date	<u>3-14-90</u>
Identification:	Southern Union Refinery, S-CT16, Sampled 3-9-90 by Steve Tischer	Date Received	<u>3-10-90</u>

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
Total Chromium mg/kg	58	3-14-90	A. Johnston	SW846,3050/7190

 Reviewed by: 

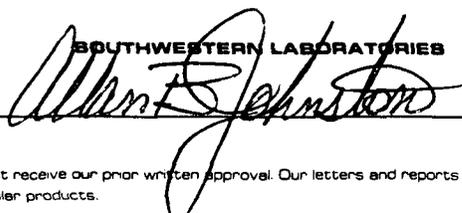
Technician:

ABJ

Copies:

Geraghty & Miller

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Report of tests on Soil
Client Geraghty & Miller
Delivered by Steve Tischer

File No. 6936900
Report No. 65500
Report Date 4-3-90
Date Received 3-14-90

Identification Southern Union Refinery, S-CT 17,
Sampled 3-13-90 by Steve Tischer

REPORT OF CHEMICAL ANALYSIS

<u>Parameter</u>	<u>Results</u>	<u>Date of Analysis</u>	<u>Analyst</u>	<u>Method</u>
EP Toxicity Chromium, mg/L	*0.5	3-21-90	A. Johnston	SW846, 3010/7190

*Denotes "less than"

Copies: Geraghty & Miller

M.W.B.

Reviewed by

SOUTHWESTERN LABORATORIES

Albert Johnston



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Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

March 23, 1990 File No. _____

Report of: Analysis of Soils
Reported to: Geraghty & Miller Company
Attention: Steve Tisher
1030 Andrews Highway, Suite 120
Midland, TX 79701

MAR 28 RECD

Date received: 2/15/90
Identification: Project #0258-02

<u>Sample ID</u>	<u>EPTOX CHROMIUM, mg/l</u>	<u>TOTAL CHROMIUM, mg/l</u>
S-CT11B	<0.1	18
S-CT12B	<0.1	26
S-CT13B	<0.1	36
S-CT14B	<0.1	19
S-CT15B	<0.1	18
S-CT16B	<0.1	25

Method: EPA SW846

Analyst: JG

Distribution of report:

1C: Geraghty & Miller

Respectfully submitted,

SOUTHWESTERN LABORATORIES, INC.

Per: *Bob Garrett*
Bob Garrett, Manager
Environmental and Analytical Services

Lab. No. D-9003149

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Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

April 03, 1990 File No. 2217500

Report of: Analysis of Soils
Reported to: Geraghty & Miller Company
Attention: Steve Tisher
1030 Andrews Highway, Suite 120
Midland, TX 79701
Date received: 3/28/90
Identification: Project #0258-02, Lea Refinery

<u>Sample ID</u>	<u>EPTOX CHROMIUM, mg/l</u>	<u>TOTAL CHROMIUM, mg/kg</u>
S-CT31	2.29	78.0
S-CT32	1.44	51.5
S-CT12C	----	17.7
S-CT13C	----	22.0
BD-1 0' -5'	0.28	15.4
BD-1 7' -12'	0.17	9.1
BD-1 17' -22'	2.75	33.2
BD-1 27' -32'	6.60	76.8

Method: SW846
Analyst: JG, WK

Distribution of report:

1C: Geraghty & Miller

Respectfully submitted,
SOUTHWESTERN LABORATORIES, INC.

Per: *Bob Garrett*
Bob Garrett, Manager
Environmental and Analytical Services

Lab. No. D-9003229

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SOUTHWESTERN LABORATORIES, INC.

Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

April 9, 1990

File No. _____

APR 16 RECD

Report of: Analysis of Soils

Reported to: Geraghty & Miller Company
Attention: Steve Tisher
1030 Andrews Highway, Suite 120
Midland, TX 79701

Date received: 3/29/90

Identification: Project 025802 #CC052.01, Lea Refinery

<u>SAMPLE ID</u>	<u>EPTOX Chromium, mg/l</u>	<u>Total Chromium, mg/kg</u>
BD-1 22' -27'	2.04	23.9
BD-1 32' -37'	0.082	25.53
BD-1 27' -32' (rerun)	8.90	

Method: SW846

Analyst: WK

Distribution of report:

1C: Geraghty & Miller

Respectfully submitted,

SOUTHWESTERN LABORATORIES, INC.

Per: *Bob Garrett*
Bob Garrett, Manager

Lab. No.

D-9004024

:gc Environmental and Analytical Services

Samples are discarded 30 days after reports are mailed unless prior arrangements are made in writing. A storage fee will apply on samples held over 30 days. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar products.



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Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

April 2, 1990 File No. _____

Report of: Analysis of Soils

APR 9 RECD

Reported to: Geraghty & Miller Company
Attention: Steve Tisher
1030 Andrews Highway, Suite 120
Midland, TX 79701

Date received: 3/30/90

Identification: Project #0258-02, Southern Union Refinery

<u>Sample ID</u>	<u>EPTOX CHROMIUM, mg/l</u>	<u>TOTAL CHROMIUM, mg/kg</u>
BD-1 37'-40'	2.1	26.17
BD-2 0-5'	0.22	10.32
BD-2 7-12'	0.18	7.36
BD-2 17-22'	0.23	16.91
BD-2 27-30'	0.16	26.76
BD-3 5-10'	0.31	11.96
BD-3 15-20'	0.20	5.46
BD-3 25-30'	0.21	<5.0
BD-3 35-40'	0.124	5.55
BD-4 6-9'	1.25	7.92
BD-4 14-18'	0.32	6.29
BD-4 23-28'	0.19	<5
BD-4 33-38'	1.43	17.29

Method: SW846 Analyst: JG, WK

Distribution of report:

Respectfully submitted,

1C: Geraghty & Miller

SOUTHWESTERN LABORATORIES, INC.

Bob Garrett

Per: Bob Garrett, Manager
Environmental and Analytical Services

Lab. No. D-9003249

Samples are discarded 30 days after reports are mailed unless prior arrangements are made in writing. A storage fee will apply on samples held over 30 days. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar products.



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Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

July 5, 1990 File No. 2217500

Report of: Analysis of Soil

Reported to: Geraghty & Miller Co.
Attention: Steve Tischer
1030 Andrews Hwy. Suite 120
Midland, TX 79701

PRELIMINARY

Date received: 6/28/90

Identification: Project Number CC052.01

<u>SAMPLE</u>	<u>EP TOX CHROMIUM, MG/L</u>	<u>TOTAL CHROMIUM, MG/KG</u>
BD-5 14'-19'	0.74	<10.00
BD-5 24'-29'	2.06	13.99
BD-5 29'-34'	3.44	37.76
BD-5 39'-44'	6.48	59.36
BD-6 5'-10'	0.56	11.40
BD-6 15'-20'	1.04	10.19
BD-6 20'-25'	0.96	10.83
BD-6 25'-30'	4.02	21.91
BD-6 30'-35'	2.86	26.65
BD-6 40'-45'	0.99	<10.00
BD-6 50'-55'	0.36	<10.00

Method: SW 846

Analyst: WK, JG

Distribution of report: Geraghty & Miller

Respectfully submitted,

SOUTHWESTERN LABORATORIES, INC.

Per: Bob Garrett, Manager

:gc Environmental and Analytical Services

Lab. No. D-9006219

Samples are discarded 30 days after reports are mailed unless prior arrangements are made in writing. A storage fee will apply on samples held over 30 days. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar products.



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Construction materials testing, analytical chemistry and geotechnical engineering
P.O. Box 224227 • 2575 Lone Star Drive • Dallas, Texas 75222 • 214/631-2700

July 10, 1990 File No. 2217500

Report of: Analysis of Soil
Reported to: Geraghty & Miller Co.
Attention: Steve Tischer
1030 Andrews Hwy. Suite 120
Midland, TX 79701

Date received: 6/29/90

Identification: Project Number CC052.01

<u>SAMPLE</u>	<u>EPTOX CHROMIUM, MG/L</u>	<u>TOTAL CHROMIUM, MG/KG</u>
BD-7 20'-25'	1.23	< 5.00
BD-7 25'-30'	1.47	34.3
BD-7 30'-35'	0.69	6.88
BD-7 40'-45'	4.09	34.6
BD-8 0'-5'	0.76	26.5
BD-8 5'-10'	<0.30	10.66
BD-8 15'-20'	0.60	<5.00
BD-8 20'-25'	0.64	<5.00
BD-8 25'-30'	1.14	15.8
BD-8 35'-40'	1.66	11.2
BD-8 45'-50'	<0.30	<5.0

Method: SW 846

Analyst: WK, JG

Distribution of report:

1C: Geraghty & Miller

Respectfully submitted,

SOUTHWESTERN LABORATORIES, INC.

Bob Garrett
Per:

Bob Garrett, Manager

Lab. No. D-9006235

KL :gc

Environmental and Analytical Services

Samples are discarded 30 days after reports are mailed unless prior arrangements are made in writing. A storage fee will apply on samples held over 30 days. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar products.



SOUTHWESTERN LABORATORIES

Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services

2575 LONE STAR DRIVE * P.O. BOX 224227, DALLAS, TEXAS 75222 * 214/631-2700

Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-09-087
Report Date 09/20/90 09:53

Attn: STEVE TISCHER

Project #CC052.01/LEA REFINERY

Date Sampled 09/11/90

Sampled By STEVE TISCHER

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 09/13/90

Lab No.
D0-09-087-01
D0-09-087-02
D0-09-087-03

Sample Identification
S-CT35
S-CT36
S-CT37

SOUTHWESTERN LABORATORIES



Reviewed By



Bob Garrett, Manager

SOUTHWESTERN LABORATORIES

Order # D0-09-087
09/20/90 09:53
Client: GERAGHTY & MILLER CO

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A S-CT35

Collected: 09/11/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
EP TOX EXTRACTION	SW_846_1310	09/14/90	DATE COM		09/14/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	<0.1	MG/L		09/18/90	MB
TCLP CHROMIUM	SW_846_7190	0.25	MG/L		09/18/90	MB
TCLP PREP.		09/14/90	DATE COM		09/14/90	KC

Sample: 02A S-CT36

Collected: 09/11/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
EP TOX EXTRACTION	SW_846_1310	09/14/90	DATE COM		09/14/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	4.0	MG/L		09/18/90	MB
TCLP CHROMIUM	SW_846_7190	3.12	MG/L		09/18/90	MB
TCLP PREP.		09/14/90	DATE COM		09/14/90	KC

Sample: 03A S-CT37

Collected: 09/11/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
EP TOX EXTRACTION	SW_846_1310	09/14/90	DATE COM		09/14/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	4.1	MG/L		09/18/90	MB
TCLP CHROMIUM	SW_846_7190	2.46	MG/L		09/18/90	MB
TCLP PREP.		09/14/90	DATE COM		09/14/90	KC



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Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services
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Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-09-107
Report Date 09/21/90 09:31

Attn: STEVE TISCHER

Project # CC052.01/LEA REFINERY

Date Sampled 09/12/90

Sampled By STEVE TISCHER/BOB HULET

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 09/14/90

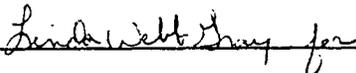
Lab No.
D0-09-107-01

Sample Identification
S-CT38

SOUTHWESTERN LABORATORIES



Reviewed By



Bob Garrett, Mgr., EAS

SOUTHWESTERN LABORATORIES

Order # D0-09-107
09/21/90 09:31
Client: GERAGHTY & MILLER CO

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A S-CT38

Collected: 09/12/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
EP TOX EXTRACTION	SW_846_1310	09/17/90	DATE COM			KC
EP TOXICITY CHROMIUM	SW_846_7190	1.87	MG/L		09/19/90	MB
TCLP CHROMIUM	SW_846_7190	1.68	MG/L		09/19/90	MB
TCLP PREP.		09/17/90	DATE COM			KC



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Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-09-112
Report Date 09/21/90 09:33

Attn: STEVE TISCHER

Project #CC052.01/LEA REFINERY

Date Sampled 09/15/90

Sampled By STEVE TISCHER

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 09/17/90

Lab No.
D0-09-112-01
D0-09-112-02

Sample Identification
S-CT39
S-CT40

SOUTHWESTERN LABORATORIES

[Signature]
Reviewed By

[Signature]

Bob Garrett, Mgr., EAS

SOUTHWESTERN LABORATORIES

Order # D0-09-112
09/21/90 09:33
Client: GERAGHTY & MILLER CO

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A S-CT39

Collected: 09/15/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
EP TOX EXTRACTION	SW_846_1310	09/17/90	DATE COM			KC
EP TOXICITY CHROMIUM	SW_846_7190	3.76	MG/L		09/19/90	MB
TCLP CHROMIUM	SW_846_7190	3.73	MG/L		09/19/90	MB
TCLP PREP.		09/17/90	DATE COM			KC

Sample: 02A S-CT40

Collected: 09/15/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
EP TOX EXTRACTION	SW_846_1310	09/17/90	DATE COM			KC
EP TOXICITY CHROMIUM	SW_846_7190	1.41	MG/L		09/19/90	MB
TCLP CHROMIUM	SW_846_7190	1.42	MG/L		09/19/90	MB
TCLP PREP.		09/17/90	DATE COM			KC



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Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-09-155
Report Date 09/25/90 15:38

Attn: STEVE TISCHER

Project #CC052.01/LEA REFINERY

Date Sampled 09/11/90 09/15/90

Sampled By STEVE TISCHER

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 09/19/90

Lab No.
D0-09-155-01
D0-09-155-02
D0-09-155-03
D0-09-155-04

Sample Identification
S-CT36
S-CT37
S-CT39
S-CT40

SOUTHWESTERN LABORATORIES

Kc
Reviewed By

Bob Garrett
Bob Garrett, Manager

SOUTHWESTERN LABORATORIES

Order # D0-09-155
09/25/90 15:38
Client: GERAGHTY & MILLER CO

TEST RESULTS BY SAMPLE

Sample: 01A S-CT36

Collected: 09/11/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
CHROMIUM-FLAME AA	EPA_218_1	38	MG/KG		09/24/90	JG

Sample: 02A S-CT37

Collected: 09/11/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
CHROMIUM-FLAME AA	EPA_218_1	34	MG/KG		09/24/90	JG

Sample: 03A S-CT39

Collected: 09/15/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
CHROMIUM-FLAME AA	EPA_218_1	10	MG/KG		09/24/90	JG

Sample: 04A S-CT40

Collected: 09/15/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		<u>Analyst</u>
				<u>Limit</u>	<u>Started</u>	
CHROMIUM-FLAME AA	EPA_218_1	25	MG/KG		09/24/90	JG



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Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-09-166
Report Date 09/27/90 16:45

Attn: STEVE TISCHER

Project CC052.01/LEA REFINERY

THE TOTAL CHROME WILL FOLLOW WEDNESDAY.

Date Sampled 09/19/90

Sampled By STEVE TISCHER/JOHN MEIER

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 09/20/90

Lab No.
D0-09-166-01
D0-09-166-02
D0-09-166-03

Sample Identification
S-CT41
S-CT42
S-CT43

SOUTHWESTERN LABORATORIES

KL
Reviewed By

Bob Garrett
Bob Garrett, Manager

Order # D0-09-166
 09/27/90 16:45
 Client: GERAGHTY & MILLER CO

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A S-CT41

Collected: 09/19/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
CHROMIUM-FLAME AA	EPA_218_1	44	MG/KG		09/26/90	WK
EP TOX EXTRACTION	SW_846_1310	09/24/90	DATE COM		09/24/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	4.21	MG/L		09/25/90	WK
TCLP CHROMIUM	SW_846_7190	2.50	MG/L		09/25/90	WK
TCLP PREP.		09/24/90	DATE COM		09/24/90	KC

Sample: 02A S-CT42

Collected: 09/19/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
CHROMIUM-FLAME AA	EPA_218_1	41	MG/KG		09/26/90	WK
EP TOX EXTRACTION	SW_846_1310	09/24/90	DATE COM		09/24/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	3.58	MG/L		09/25/90	MB
TCLP CHROMIUM	SW_846_7190	2.15	MG/L		09/25/90	WK
TCLP PREP.		09/24/90	DATE COM		09/24/90	KC

Sample: 03A S-CT43

Collected: 09/19/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
EP TOX EXTRACTION	SW_846_1310	09/24/90	DATE COM		09/24/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	1.58	MG/L		09/25/90	MB
TCLP CHROMIUM	SW_846_7190	0.89	MG/L		09/25/90	WK
TCLP PREP.		09/24/90	DATE COM		09/24/90	KC



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Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services

2575 LONE STAR DRIVE * P.O. BOX 224227, DALLAS, TEXAS 75222 * 214/631-2700

Client GERAGHTY & MILLER CO
1030 ANDREWS HIGHWAY, SUITE 120
MIDLAND, TX 79701

Client No. 2217500
Report No. D0-10-080
Report Date 10/10/90 16:39

Attn: STEVE TISCHER

Project #CC052.01/LEA REFINERY

Date Sampled 10/04/90

Sampled By STEVE TISCHER

Sample Type SOIL

Transported by FEDERAL EXPRESS

P.O. # N/A

Date Received 10/08/90

Lab No.

D0-10-080-01
D0-10-080-02
D0-10-080-03

Sample Identification

S-CT 44
S-CT 45
S-CT 46

SOUTHWESTERN LABORATORIES

RM
Reviewed By

Bob Garrett

Bob Garrett, Mgr., EAS

SOUTHWESTERN LABORATORIES

Order # D0-10-080
 10/10/90 16:39
 Client: GERAGHTY & MILLER CO

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A S-CT 44

Collected: 10/04/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
EP TOX EXTRACTION	SW_846_1310	10/10/90	DATE COM		10/10/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	0.32	MG/L		10/10/90	LWG
TCLP CHROMIUM	SW_846_7190	0.16	MG/L		10/10/90	LWG
TCLP PREP.		10/10/90	DATE COM		10/10/90	KC

Sample: 02A S-CT 45

Collected: 10/04/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
CHROMIUM-FLAME AA	EPA_218_1	<5	MG/KG		10/10/90	MB
EP TOX EXTRACTION	SW_846_1310	10/10/90	DATE COM		10/10/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	0.14	MG/L		10/10/90	LWG
TCLP CHROMIUM	SW_846_7190	<0.05	MG/L		10/10/90	LWG
TCLP PREP.		10/10/90	DATE COM		10/10/90	KC

Sample: 03A S-CT 46

Collected: 10/04/90

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection Date</u>		
				<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
CHROMIUM-FLAME AA	EPA_218_1	<5	MG/KG		10/10/90	MB
EP TOX EXTRACTION	SW_846_1310	10/10/90	DATE COM		10/10/90	KC
EP TOXICITY CHROMIUM	SW_846_7190	0.32	MG/L		10/10/90	LWG
TCLP CHROMIUM	SW_846_7190	<0.05	MG/L		10/10/90	LWG
TCLP PREP.		10/10/90	DATE COM		10/10/90	KC

APPENDIX G
SOIL DISPOSAL DOCUMENTS

MAR 02 '90 14:52 NM HED/EID

P.2



New Mexico Health and Environment Department

GARREY CARRUTHERS
GovernorDENNIS BOYO
SecretaryMICHAEL J. BURKHART
Deputy SecretaryRICHARD MITZELFELT
Director

March 2, 1990

Ms. Thresea Salamome
Geraghty & Miller, Inc
111 Congress Avenue, Suite 830
Austin, Texas 78701

Dear Ms. Salamome:

This is to confirm our conversations and correspondence regarding the removal and disposal of contaminated soils from Southern Union Refinery south of Lovington, New Mexico. Conversations indicated that the landfill of preference was Waste Management of New Mexico at Rio Rancho.

The submitted test results were discussed with Boyd Hamilton of the Hazardous Waste Bureau for determination of classification. It was concluded that the soils from around the cooling tower and from Areas 1 and 2 can be disposed of at the above mentioned landfill with the following provisions.

1. Soils from the cooling tower area have continuous testing during removal to assure that the chrome levels stay below the 5 milligrams per liter.
2. The Special Waste Bureau is notified prior to removal of soils from any of the three areas.
3. Notification of when the soils are to be disposed of at the landfill. The soils must be manifested according to Section 405 of the New Mexico Solid Waste Management Regulations (SWMR-2).

Please note that approval from the Special Waste Bureau for disposal at the Rio Rancho landfill does not guarantee that the landfill will accept the soils. If you have any questions please contact me at (505) 827-278.

Sincerely yours,

Phillip L. Westen
Environmental Scientist



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

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 3088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

March 6, 1990

CERTIFIED MAIL NO. P 612 458 034
RETURN RECEIPT REQUESTED

Mr. Russel A. Buss
Project Manager
Southern Union Gas
P.O. Box 2000
Graves, TX 77619-2000

RE: *Closure Plan for Southern Union Refinery,
Lovington, Contaminated Soil Removal*

Dear Mr. Buss:

The Oil Conservation Division has received a copy of the March 2, 1990 letter from Mr. Phillip Westen of the Environmental Improvement Division Special Waste Bureau to Ms. Theresa Salamone of Geraghty and Miller, Austin, approving disposal of non-hazardous contaminated soils at an EID regulated landfill at Rio Rancho. Based on that approval, OCD has no objections to the disposal location agreed to by New Mexico EID and Southern Union Refinery. We do, however, request that copies of the transfer manifests and results of any soil testing be provided to this office.

If you have any questions, please contact me at (505) 827-5812.

Sincerely,



David G. Boyer
Hydrogeologist/Environmental Bureau Chief

DGB/ag

cc: Jerry Sexton - Oil Conservation Division Hobbs
Phillip L. Westen - EID Special Waste Bureau - Santa Fe
Boyd Hamilton - Hazardous Waste Bureau, Santa Fe
William Terry - EID Waste Management of NM, Rio Rancho

**UNIFORM HAZARDOUS WASTE
MANIFESTS**



Chemical Waste Management, Inc.

ENRAC Division
4227 Technology Drive
Fremont, California 94538-6337
415/770-0575

June 21, 1990

Mr. Steve Tischler
Geraghty & Miller, Inc.
1030 Andrews Highway
Suite 120
Midland, Texas 79701

Dear Mr. Tischler:

Enclosed, you will find one (1) copy of each manifest for off site movements of contaminated soil from the Lea Refining site. These include:

- 1) LA 1186926 - 29
- 2) TR 1 - 14
- 3) CP 1 - 14
- 4) OP 1 - 234
- 5) CT 1 - 64

I am currently holding all originals, including weight tickets, and will distribute to Russel Buss at the close of the project. Feel free to contact me at 415/770-0575 if you need additional assistance.

Sincerely,

Chemical Waste Management, Inc.
ENRAC Division

Bob Hulet
Project Manager

BH:dmh

Enclosure



Chemical Waste Management, Inc.

Route 1 Box 1955
Sulphur, Louisiana 70663
318/583-2169

LEA REFINING CO.

MAY 03 1990

April 27, 1990

Southern Union Refining Company
P O Box 980
Hobbs, NM 88240

RE: RETURN OF MANIFEST COPIES TO GENERATOR

To Whom It May Concern:

Attached are all of the remaining copies of the following manifests which are being returned to you as required by LAC33:V.913.C.

<u>DATE REC'D</u>	<u>MANIFEST NO.</u>	<u>DATE REC'D</u>	<u>MANIFEST NO.</u>	<u>DATE REC'D</u>	<u>MANIFEST NO.</u>
04/21/90	1186928	04/21/90	1186927	04/21/90	1186929
04/21/90	1186926				

If you should have any questions concerning the return of these manifest copies, please contact the Chemical Waste Management, Inc. Document Control Department at 318-583-2169.

Sincerely,

Pamala Riggs
Pamala Riggs
Document Control Supervisor

cc: Document Control File #612.01.07

STATE OF LOUISIANA
 DEPARTMENT OF ENVIRONMENTAL QUALITY
 HAZARDOUS WASTE DIVISION
 P.O. BOX 44307
 BATON ROUGE, LOUISIANA 70804

M.B.

137027

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WMT 3 16 1001103 67 100003		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Southern Union Refining Co P.O. Box 980 Hobbs NM 88240					A. State Manifest Document Number LA 1186926						
4. Generator's Phone (409) 962-8888 or 505-396-5821					B. State Generator's ID						
5. Transporter 1 Company Name TAD Trucking			6. US EPA ID Number NMID 117155516211		C. State Transporter's ID						
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 505-393-1010						
9. Designated Facility Name and Site Address CHEMICAL WASTE MGT., INC. RT 2, JOHN BRANNON RD. CARLYSS, LA 70633			10. US EPA ID Number LA DP 1010717291		E. State Transporter's ID						
					F. Transporter's Phone						
					G. State Facility's ID						
					H. Facility's Phone (318) 583-2169						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	1. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., ORM E, NA9189 (D007) ^{as per 4/20/90} _(toxic for chrome)						0011		01010211		Y	D007
b.											
c.											
J. Additional Descriptions for Materials Listed Above A) HOU W12143						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information If spilled contain material contact Russel Buss @ 409-962-8888 as per 4/20/90											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimize the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Russel A. Buss				Signature Russel A. Buss				Month Day Year 10 3 12 1990			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Gus Garcia				Signature Gus Garcia				Month Day Year 10 4 12 1990			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.											
Printed/Typed Name P. H. Studge				Signature P. H. Studge				Month Day Year 10 11 1990			

GENERATOR

TRANSPORTER

FACILITY

132030

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NM136001036710004		Manifest Document No. 0004		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Southern Union Refining Co P.O. Box 980 Nobbs, NM 88240						A. State Manifest Document Number LA 1186927					
4. Generator's Phone (409) 962-8888 or 505-396-5821						B. State Generator's ID					
5. Transporter 1 Company Name TAD Trucking			6. US EPA ID Number NM10112151511611			C. State Transporter's ID					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 505-373-1010					
9. Designated Facility Name and Site Address CHEMICAL WASTE MGT., INC. RT. 2 CARLYSS, LA 70663			10. US EPA ID Number LA P10101717201			E. State Transporter's ID					
						F. Transporter's Phone					
						G. State Facility's ID					
						H. Facility's Phone (318) 583-2169					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	L Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., ORM-E, NA9189 (0007) (0007)						0011		01010116		Y	(0007)
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above A) HOU W12143						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information WEAR TYVEK SUIT, HALF MASK RESPIRATOR WITH HEPA CARTRIDGE.											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimize the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Russel A. Buss						Signature Russel A. Buss			Month Day Year 03 21 90		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Harry Johnston						Signature Harry Johnston			Month Day Year 04 20 90		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19											
Printed/Typed Name P. Prestidge						Signature P. Prestidge			Month Day Year 04 19 90		

GENERATOR

TRANSPORTER

ACILITY

STATE OF LOUISIANA
 DEPARTMENT OF ENVIRONMENTAL QUALITY
 HAZARDOUS WASTE DIVISION
 P.O. BOX 44307
 BATON ROUGE, LOUISIANA 70804

132021
[Signature]

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Southern Union Refining Co P.O., Box 980 Hobbs NM 88240		NMT360010367001002		A. State Manifest Document Number LA 1186928		B. State Generator's ID	
4. Generator's Phone (409) 962-8888 or 505-396-5821		5. Transporter 1 Company Name TAD Trucking		6. US EPA ID Number WIMD11715757161211		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 505-393-1010		E. State Transporter's ID	
9. Designated Facility Name and Site Address CHEMICAL WASTE MGT., INC. RT. 2, JOHN BRANNON RD. CARLYSS, LA 70663		10. US EPA ID Number LAP0007772011		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., ORME, (D007) NA9189 EPA (INCORPORATED CHEM)		No. Type		10101211 Y		L Waste No. PB 4-21-90 D007	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above A) HOUW12143 HOUW12143				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information LINE TRUCK BEDS WITH PLASTIC AND COVER WITH TARPS							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimize the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Russel A. Buss				Signature Russel A. Buss		Month Day Year 10/3/21/1990	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Fred Syrett				Signature Fred Syrett		Month Day Year 10/4/20/1990	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name HOSHIMA				Signature HOSHIMA		Month Day Year 10/21/90	

GENERATOR

TRANSPORTER

FACILITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

MB.

132029

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NM11360011036710001011		Manifest Document No. 0101011		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address Southern Union Refining Co P.O. Box 980 Hobbs NM 88240						A. State Manifest Document Number LA 1186929											
4. Generator's Phone (409) 962-8888 or 505-396-5821						B. State Generator's ID											
5. Transporter 1 Company Name TAD Trucking			6. US EPA ID Number WM1011715151716211			C. State Transporter's ID											
7. Transporter 2 Company Name						8. US EPA ID Number											
9. Designated Facility Name and Site Address CHEMICAL WASTE MGT., INC. RT. 2, JOHN BRANNON RD. CARLYSS, LA 70633						10. US EPA ID Number LA P 10101071712011											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., ORME, (D007) NA9189						EPA Toxic for Chronic 01011 DT		01010119		Y		D007					
b.																	
c.																	
J. Additional Descriptions for Materials Listed Above A) W12143, HOU W12143 HOU 12143						K. Handling Codes for Wastes Listed Above											
15. Special Handling Instructions and Additional Information A) If spilled contain material contact Russell Buss @ 409-462-8888 as per RQ 12/10/82																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Russel A. Buss						Signature Russel A. Buss				Month Day Year 10/31/90							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name David Meyers				Signature David Meyers				Month Day Year 04/20/90			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name Prestidge						Signature Prestidge				Month Day Year 04/21/90							

SPECIAL WASTE MANIFESTS

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES TX 77619
Phone: (409) 967-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: cont. soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 020757

Rep. Sample = S-CT19

Container(s): end dump No: 1 Type T

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 3-20-90 Shipment Date

Transporter: GLOVER INC TAD TRUCKING

Address: ALBUQUERQUE Hobbs NM Phone: 877-6911

Driver: Wayne Ritter Truck No.: 21-MAD Tag No./State: CA 86645

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wayne Ritter Driver Signature 3/20/90 Shipment Date Wayne Ritter Driver Signature 3/20/90 Shipment Date

Received at: RIO RANCHO SANITARY Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Roy Print: Roy

Date: 3-20-90

EAST 911d BETWEEN 375.800 AND 375.900 NORTH
911d BETWEEN 1557.25 AND 1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: Graves TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: cont. soil Quantity: 20 Units: cy

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = SCT 19

Container(s): end dump No: 1 Type T

Special Handling Instructions: contains zinc cheamate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1016

Driver: Bill Brown Truck No.: 24-81AD Tag No./State: BP60542 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

William F Brown 3/20/90
Driver Signature Shipment Date

William F Brown 3/21/90
Driver Signature Shipment Date

Received at: _____

I hereby certify that the above name material has been accepted and to the best of my knowledge the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 3-21-90

EAST Grid BETWEEN 375.800 AND 375.900 ELEV. 5591.13
NORTH Grid BETWEEN 1557.25 AND 1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: PO. Box 2000
GRAVES TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: PO. Box 980
HOBBS NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: cont. soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT19

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: Richard Rowley Truck No.: 26-85AN Tag No./State: AP 86649CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Richard Rowley
Driver Signature 3-20-90
Shipment Date

Harry Alford
Driver Signature 3-21-90
Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Jen Heek Print: JEN HECK

Date: 3-21-90

EAST GRIB BETWEEN 375.800 AND 375.200
NORTH GRIB BETWEEN 1557.25 AND 1557.100
EEN 5591-13

NO: CT-4

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: contn. soln Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT19

Container(s): TRAILER No: 1 Type ordump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Bass
Generator Authorized Agent

Russel Bass
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N Shipp Hobbs, N.M. Phone: 505-393-1010

Driver: John V. Penick SR. Truck No.: 204 Tag No./State: PR 19266 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John V. Penick SR. 3-20-90
Driver Signature Shipment Date

John V. Penick SR. 3-20-90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Roy Eving

Print: Roy Eving

Date: 3-20

GRID EAST Grid BETWEEN 375,800 AND 375,700
North Grid BETWEEN 1557,25 AND 1557,100

NO: CT-5

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
GRAPES TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: contam. soil Quantity: 210 Units: CF

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT19

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: Virgil Stephens Truck No.: 263-7980 Tag No./State: PR19267 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil W. Stephens 3/20/90
Driver Signature Shipment Date

Virgil W. Stephens 3/20/90
Driver Signature Shipment Date

Received at: RIO RANCH SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Roy

Print: Roy Ewing

Date: 3-20-90

EAST grid BETWEEN 375,800 AND 375,900
NORTH grid BETWEEN 1557,25 AND 1557,100

NO: CT-6

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: Greens TX 7769
Phone: (409) 962-8888

Job Name: Southern Union Gas
PO Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: cont. soil Quantity: 218 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample = S-C19

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505 393 1010

Driver: Robert Macias Truck No.: 44-86AD Tag No./State: BP 40858

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]
Driver Signature 3-20-90
Shipment Date

[Signature]
Driver Signature 3-20-90
Shipment Date

Received at: RIO RANCH SPAINIAV LAND

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]

Print: ROY KING

Date: 03/20/90

EAST GRID BETWEEN 375,800 AND 375,900 NORTH
R1 459111

NO: CT-7

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 200
Address: Greens TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: cont. soil Quantity: 19 Units: CP

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT19

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Phone: 505-393-1010

Driver: Gus Garcia Truck No.: 17-80AD Tag No./State: AP 86643 CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 3/20/90
Driver Signature Shipment Date

Gus Garcia 3/20/90
Driver Signature Shipment Date

Received at: Pro Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]

Print: ROY EWING

Date: 3-20-90

EAST 911D BETWEEN 375,800 AND 375,900 NORTH
911D BETWEEN 1557,25 AND 1557,100 ETRU 5591

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
GRACES TX 77619
Phone: (709) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Abbees NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: None Quantity: 18 Units: CY
DOT Hazard Class: None
Identification Number: N/A
Reportable Quantity: N/A
Additional Description: Profile # WMA 02757
Rep. Sample = S-CT 19
Container(s): end dump No: 1 Type: TRUCK
Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 3-20-90 Shipment Date

Transporter: TAD TRUCKING
Address: 506 N Shida Hobbs, NM Phone: 505-393-1016
Driver: HARRY Johnson Truck No.: 43-77AA Tag No./State: RD 40857 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] Driver Signature 3-20-90 Shipment Date

[Signature] Driver Signature 3-21-90 Shipment Date

Received at: _____

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature] Print: Kent Heck
Date: 3-21-90

EAST GRID BETWEEN 375.800 AND 375.900 EKV 559/13
NORTH GRID BETWEEN 1557.25 AND 1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
GRAYS TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM 88241
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. ~~None~~ Soil Quantity: 210 Units: CF

DOT Hazard Class: N/A

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

S-CT 19 = Rep. Sample.

Container(s): Trailer No: 1 Type: Exldump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs, N.M. Phone: 505-393-1016

Driver: Scott Woznick Truck No.: 25-84A Tag No./State: AP 86648

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 3/20/90
Driver Signature Shipment Date

Scott Woznick 3/20/90
Driver Signature Shipment Date

Received at: _____

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]

Print: Roy Ewing

Date: 3-20-90

EAST grid between 375.000 and 375.900 North
grid between 1557.25 and 1557.100
Elev. 5591.15

2739

NO: CT-10

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
PO Box 2000
Address: GRAVES, TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: None Quantity: 210 Units: CF

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = 5-CT19

Container(s): TRAILER No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SH. PA Hobbs, N.M. Phone: 505 393 1010

Driver: Leland ALLEN Truck No.: 27-87A Tag No./State: AP 86650 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Leland Allen 3-20-90
Driver Signature Shipment Date

Leland Allen 3-20-90
Driver Signature Shipment Date

Received at: RIO RANCH SANITARY LAND 5, 11

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Roy Ewing

Print: ROY EWING

Date: 3-20-90

EAST grid BETWEEN 375,800 AND 375,900
NORTH grid BETWEEN 1557.25 AND 1557.100 ELEV 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES, TX 77619
Phone: (909) 962-8988

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88240
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: ~~Asst~~ ^{cont} Soil Quantity: 19 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile# WMA 02757

Rep. Sample = S-CT19

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP Phone: 505-393-1010

Driver: Dick Dean Truck No.: 28-73AD Tag No./State: BP85316

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dick Dean 3/20/90
Driver Signature Shipment Date

Dick Dean 3/21/90
Driver Signature Shipment Date

Received at: Rio Rancho Sanitary Land Fill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: KEN HECK
Date: 3-21-90

Print: KEN HECK

EAST GRID BETWEEN 375,800 AND 375,900
NORTH GRID BETWEEN 1557,25 AND 1557,100

2KEN-559/113

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAPES, TX 77619
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM 88290
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: contam. soil Quantity: 18 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT-18

Container(s): trailer No: 1 Type exldump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-20-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: DENNIS RAINES Truck No.: 35-8210 Tag No./State: AP86654 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Raines 3-20-90
Driver Signature Shipment Date

Dennis Raines 3-21-90
Driver Signature Shipment Date

Received at: ROCKWELL SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3-21-90

Print: Ken Heck

EAST GRIB BETWEEN 375.800 AND 375.900 ELEV. 559.13
NORTH GRIB BETWEEN 1557.25 AND 1557.100

2740

NO: CT-13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRUBS TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: contamin. soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample = 5-CT18

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs, N.M Phone: 505-393-1010

Driver: Leland Allen Truck No.: 27-87AD Tag No./State: AP 86650CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Leland Allen 3-21-90
Driver Signature Shipment Date

Leland Allen 3-21-90
Driver Signature Shipment Date

Received at: Rio Rancho San Juan Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 3-21-90

EAST CORNER BETWEEN 375,800 AND 375,900 EKV
NORTH E21/4 BETWEEN 1557,25 AND 1557,100 5591,13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
GRAVES TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 990
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT 18

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3/21/90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: Robert Macias Truck No.: 44-86AD Tag No./State: BP 40858 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]
Driver Signature 3-21-90
Shipment Date

[Signature]
Driver Signature 3-21-90
Shipment Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge the above is true and correct.

Signed: KEN HECK
Date: 3-21-90

Print: KEN HECK

EAST GRAB BETWEEN 375.800 AND 375.900
NORTH GRAB BETWEEN 1557.25 AND 1557.100 ELEV. 5591.13

239

NO: CT-15

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: Leaves TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample = 3-CT 18

Container(s): Trailer No: 1 Type End dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Bass
Generator Authorized Agent

Russel Bass
Signature

3/21/90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: Scott Woznick Truck No.: 25-84AD Tag No./State: AP 86648 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 3/21/90
Driver Signature Shipment Date

Scott Woznick 3/21/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]

Print: KEN HECK

Date: 3-21-90

EAST SIDE BETWEEN 375.900 AND 375.90
NORTH SIDE BETWEEN 1557.25 AND 1557.100

CEV. 559113

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
Greaves TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample = 5-CT 18

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: John Penick Truck No.: 204-1204 Tag No./State: PR19266 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John V. Penick 3-21-90
Driver Signature Shipment Date

John V. Penick 3-21-90
Driver Signature Shipment Date

Received at: TRIO RANMO SANTA FE LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 3-21-90

EAST GRID BETWEEN 375,800 AND 375,900 ELEV 5591.5
NORTH GRID BETWEEN 155725 AND 1557100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: PO box 2000
brauns TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: PO Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Centam. Soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample = 3-CT 18

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. 88240 Phone: 505-393-1010

Driver: GUS GARCIA Truck No.: 19-80AD Tag No./State: AP 86643 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 3/21/90
Driver Signature Shipment Date

Gus Garcia 3/21/90
Driver Signature Shipment Date

Received at: Red Ranch Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3-21-90

Print: Ken Heck

EAST GRID BETWEEN 375,800 AND 375,900 ELEV. 5591.13
NORTH GRID BETWEEN 1557.25 AND 1557.100

NO: CT-18

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: Graves TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Probe # WNA 02757

Rep. Sample = 3-CT 18

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: Virgil Stephens Truck No.: 263-79AD Tag No./State: PR 19267 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil W. Stephens 3/21/90
Driver Signature Shipment Date

Virgil W. Stephens 3/21/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3-21-90

Print: Ken Heck

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100 ELEV. 5591.13

NO: CT-19

NONHAZARDOUS
SPECIAL WASTE MANIFEST

2131

Generator: Southern Union Gas
Address: P.O. box 2000
Graves TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam soil Quantity: 20 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WNA 02757

Rep. Sample = 3-CT 18

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: WAYNE RITTER Truck No.: 21-74AD Tag No./State: AP 86645CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wayne Ritter 3/21/90
Driver Signature Shipment Date

Wayne Ritter 3/21/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANTA ANA LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: KEN HECK

Print: KEN HECK

Date: 3-21-90

EAST SIDE BETWEEN 375.80 AND 375.900
NORTH SIDE BETWEEN 1557.25 AND 1557.100

ELEV 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: Elizaville TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contaminant Soil Quantity: 219 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT 18

Container(s): Trailer No: 1 Type End Dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-21-90
Shipment Date

Transporter: JAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: John Penick Truck No.: 204-1204 Tag No./State: PR 1926, N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John Penick 3-22-90
Driver Signature Shipment Date

John Penick 3-22-90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 3/22/90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100 EJEU5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRANVILLE TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT 18

Container(s): trailer No: 1 Type enddump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: ROBERT MACIAS Truck No.: 44-80AA Tag No./State: RD40258CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 3-22-90
Driver Signature Shipment Date

[Signature] 3-22-90
Driver Signature Shipment Date

Received at: RIO RANCHO SANT TAMY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: KEN HECK

Print: KEN HECK

Date: 3/22/90

EAST GRID BETWEEN 375.800 AND 375.900 ELEV. 5591. B
NORTH GRID BETWEEN 1557.25 AND 1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WNA 02757

Rep Sample = 3-CT 18

Container(s): Trailer No: 1 Type Land dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: Dennis Raines Truck No.: 35-82AA Tag No./State: AP86654 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Raines 3-22-90
Driver Signature Shipment Date

Dennis Raines 3-22-90
Driver Signature Shipment Date

Received at: El Rio Ranch Sanitary Land Fill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3-22-90

Print: KEN HECK

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100

ELEV. 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
Graves TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WNA 02757

Rep Sample = 3-CT 18

Container(s): Trailer No: 1 Type Enddump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAA TRUCKING

Address: 506 W. Shipp Hobbs, N.M. Phone: 505-393-1010

Driver: Virgil Stephens Truck No.: 203-79AA Tag No./State: PR 19267 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil W. Stephens 3-22-90
Driver Signature Shipment Date

Virgil W. Stephens 3-22-90
Driver Signature Shipment Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge the above is true and correct.

Signed: Ken Heck
Date: 3/22/90

Print: Ken Heck

EAST SIDE BETWEEN 375,800 AND 375,900
NORTH SIDE BETWEEN 155225 AND 1552107 ENVS591.13

2741

NO: CT-24

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: 62212 TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 950
Address: Hobbs NM
Phone: (505) 346-5521

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # Wm A 02757

Rep. Sample = 5-CT 15

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: JAD TRUCKING

Address: 506 N. SHIPP Hobbs, N.M. Phone: 505-393-1010

Driver: LELAND ALLEN Truck No.: 27-87AD Tag No./State: AP86650 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 3-22-90
Driver Signature Shipment Date

[Signature] 3-22-90
Driver Signature Shipment Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]
Date: 3/22/90

Print: KEV HECK

EAST GRID BETWEEN 375,800 AND 375,900
NORTH GRID BETWEEN 1557.25 AND 1557.100 EPN 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Leas
Address: Po. Box 2000
GRAVES TX
Phone: (409) 962-888

Job Name: Southern Union Leas
Address: PO. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # UMA 02757

Rep. Sample = S-CT18

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs, N.M. Phone: 505-393-1010

Driver: Scott Woznick Truck No.: 25-84AA Tag No./State: AP 86648 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 3/22/90
Driver Signature Shipment Date

Scott Woznick 3/22/90
Driver Signature Shipment Date

Received at: Bio Ranch Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3/22/90

Print: Ken Heck

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.600

E/EN 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
LR 241es TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 990
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 21 Units: CU

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROB. # WMA 02757

Rep Sample = SCT 188

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: CONTAINS ZIRIC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Phone: 505-393-1010

Driver: Fred Syfrett Truck No.: 43-77AD Tag No./State: BP 40857 CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Fred Syfrett 3-22-90
Driver Signature Shipment Date

Fred Syfrett 3-22-90
Driver Signature Shipment Date

Received at: RIO RANCH SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 3/22/90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 155.25 AND 157.100 ELUS 591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. soil Quantity: 210 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. sample = S-CT 17

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: HARRY JOHNSTON Truck No.: 26-85AD Tag No./State: AP86649 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Hans Ahlbeck 3-22-90
Driver Signature Shipment Date

Hans Ahlbeck 3-22-90
Driver Signature Shipment Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: KEN HECK

Date: 3/22/90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100 ELEV. 5591.13

NO: CT 28

NONHAZARDOUS
SPECIAL WASTE MANIFEST 2132

Generator: Southern Union Gas
Address: PO. Box 2000
GRAINES TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Probe # 02757

Rep. Sample = SCT 17

Container(s): Trailer No: 1 Type enddump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs NM Phone: 505-393-1010

Driver: WAYNE Ritter Truck No.: 21-74AD Tag No./State: AP86645CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wayne Ritter 3/22/90
Driver Signature Shipment Date

Wayne Ritter 3/22/90
Driver Signature Shipment Date

Received at: Rio Rancho SANTA FE LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Kew Heck
Date: 3/22/90

Print: Kew Heck

EAST GRID BETWEEN 375.800 AND 375.900 ELEV 5591.13
NORTH GRID BETWEEN 1557.28 AND 1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

NO: CT 29

Generator: Southern Union Gas
Address: P.O. Box 2000
GRAVES TX
Phone: (1409) 962-8584

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam Soil Quantity: 214 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # 02757

Rep. Sample = S-CT @ 17

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: CONTAINS 2 MIC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M Phone: 505-393-1010

Driver: BILL BROWN Truck No.: 28-73AD Tag No./State: BP 85316 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

William P Brown
Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Rob Clauw 3-22-90
Driver Signature Shipment Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3/22/90

Print: Ken Heck

EAST GRID BETWEEN 375,800 AND 375,900 ELEV. 5591.13
NTH GRID BETWEEN 155725 AND 1557100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. box 2000
Kerrville TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 218 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample = S-CT17

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: Contains Zinc Chromate

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Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: SAM KISER Truck No.: 24-81AD Tag No./State: BP 60542

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Sam Kiser 3/22/90
Driver Signature Shipment Date

William Brown 3-22-90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 3-22-90

Print: Ken Heck

EAST Grid BETWEEN 375.800 AND 375.900
NORTH Grid BETWEEN 1557.25 AND 1557.100 ERU. 5591.13

NO: CT 31

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
682025 TX
Phone: (409) 962-8898

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5421

QUANTITY AND DESCRIPTION

16 PPA

Proper Shipping Name: Contam soil Quantity: 27 Units: CY

DOT Hazard Class: None

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02257

Rep Sample = S-CTA¹⁰ 17

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-22-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: GUS GARCIA Truck No.: 19-80AD Tag No./State: AP 86643CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 3/22/90
Driver Signature Shipment Date

Gus Garcia 3/22/90
Driver Signature Shipment Date

Received at: Rio Rancho Landfill Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: KEN HECK

Date: 3/22/90

EAST 0.1/6 BETWEEN 375,800 AND 375,900 ELEV 5591.13
NORTH GRID BETWEEN 1557.25 AND 1557.100

NO: CT-32

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. BOX 2009
Address: GRAVES, TX
Phone: (409)-962-8888

Job Name: SOUTHERN UNION GAS
P.O. BOX 980
Address: HOBBS, NM
Phone: (505)396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WMA 02757

REP. SAMPLE = S-CT19

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: JAN TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: John Penick Truck No.: 204-1204 Tag No./State: PR 19266 N.M.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John Penick 3-23-90
Driver Signature Shipment Date

John Penick 3-23-90
Driver Signature Shipment Date

Received at: AN RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heald

Print: ~~Ken Heald~~ Ken Heald

Date: 3-23-90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100 ELEV. 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
PO BOX 2000
Address: GRAVES, TX.
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
P.O. BOX 980
Address: HOBBS, N.M.
Phone: (505) 369-396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WMA 02757

REF. SAMPLE # S-CT-19

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Virgil Stephens Truck No.: 203-79AA Tag No./State: PR19267

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil Stephens 3-23-90
Driver Signature Shipment Date

Virgil Stephens 3-23-90
Driver Signature Shipment Date

Received at: PRO ROUCHO ~~LANDFILL~~ SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: ~~Ken Heck~~ Ken Heck

Date: 3-23-90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100

ETEL 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
PO BOX 2000
Address: GRAVES, TX
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
P.O. BOX 980
Address: HOBBS, N.M.
Phone: (505) 796-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WAAA 02757

REP. SAMPLE = SCT-1930

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: JAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1044

Driver: Robert Macias Truck No.: 44-86AD Tag No./State: RD 40858CA

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]
Driver Signature 3-23-90
Shipment Date

[Signature]
Driver Signature 3-23-90
Shipment Date

Received at: RIO RANCHO SANITARY LAND FILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]
Date: 3-23-90

Print: [Signature]

EAST END BETWEEN 375.800 AND 377.900
NORTH END BETWEEN 1557.25 AND 1557.100 ELEV. 5596.13

NO: CT-35

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
P.O. BOX 2000
Address: GRAVES, TX
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
P.O. BOX 980
Address: HOBBS, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WMA 02757

REP. SAMPLE = SCT-1930

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N Shipp Hobbs N.M. Phone: 505-393-1060

Driver: Scott Woznick Truck No.: 25-8440 Tag No./State: AP 86648 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 3-23-90
Driver Signature Shipment Date

Scott Woznick 3/23/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: KEN HECK Print: KEN HECK

Date: 3-23-90

EAST END BETWEEN 375.800 AND 375.90

EVEN 559173

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
P.O. BOX 2000
Address: GRAVES, TX
Phone: (409) 962-8889

Job Name: SOUTHERN UNION GAS
P.O. BOX 990
Address: HOBBS, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CF

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WMA ~~0257~~ 02757

REP. SAMPLE = S-C-T-1930

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Donnie Raines Truck No.: 35-82AD Tag No./State: AP 86654 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Donnie Raines 3-23-90
Driver Signature Shipment Date

Donnie Raines 3-23-90
Driver Signature Shipment Date

Received at: RIO GRANDE SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Kent Heek
Date: 3-23-90

Print: Kent Heek

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100 Elev. 5591.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS

Job Name: SOUTHERN UNION GAS

Address: P.O. BOX 2000
GRAVES, TX.

Address: P.O. BOX 890
HOBBS, N.M.

Phone: (409) 962-8888

Phone: (505)

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NONE

Reportable Quantity: NONE

Additional Description: PROFILE # WMA 02757

REP. SAMPLE = S-CT-30

Container(s): TRAILER No: 1 Type END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010

Driver: HARRY JOHNSTON Truck No.: 26-85AD Tag No./State: AP 86649 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Harry Johnston
Driver Signature

3-23-90
Shipment Date

Harry Johnston
Driver Signature

3-23-90
Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: KEN HECK

Date: 3-23-90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 1557.25 AND 1557.100

ELEV. 5591.13

NO: CT-38

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000
GRAVES TX
Phone: (409) 962-5555

Job Name: Southern Union Gas
Address: P.O. Box 980
Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A NONE

Reportable Quantity: N/A NONE

Additional Description: Proble # WMA 02757

Rep. Sample = SET 30

Container(s): Trailer No: 1 Type endump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-0110

Driver: WAYNE Ritter Truck No.: 21-74AD Tag No./State: AP 8664SEA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wayne Ritter 3-23-90
Driver Signature Shipment Date

Wayne Ritter 3/23/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature] Print: KEN HECK

Date: 3-23-90

EAST Grid BETWEEN 375.800 AND 375.900
NORTH Grid BETWEEN 1557.25 AND 1557.100

ELEV. 5591.13

NO: CT-39

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
P.O. Box 2000
Address: GRAVES TX
Phone: (409) 962-5888

Job Name: Southern Union Gas
P.O. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A None

Reportable Quantity: N/A None

Additional Description: Profile # 02757

Rep Sample = S-CT-30

Container(s): Trailer No: 1 Type end dump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: GUS GARCIA Truck No.: 17-80AD Tag No./State: AP 86643CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 3-23-90
Driver Signature Shipment Date

Gus Garcia 3/23/90
Driver Signature Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heek
Date: 3-23-90

Print: Ken Heek

EAST GRID BETWEEN 375,800 AND 375,900
NORTH GRID BETWEEN 1557,25 AND 1557,100

Elev 5591.13

NO: CT-40

NONHAZARDOUS
SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
PO. Box 2000
Address: GRADIES TX
Phone: (409) 462-2288

Job Name: Southern Union Gas
PO. Box 980
Address: Hobbs NM
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contam. Soil Quantity: 21 Units: CY

DOT Hazard Class: None

Identification Number: N/A NONE

Reportable Quantity: N/A NONE

Additional Description: PRO file # 02757

Rep. Sample = S-CT-1930

Container(s): trailer No: 1 Type end dump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

3-23-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010

Driver: SAM KISER Truck No.: 24-81AD Tag No./State: BP 60542 CA.

I hereby certify that the above named material was picked up at the generator site listed below.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Sam Kiser
Driver Signature 3-23-90
Shipment Date

Sam Kiser
Driver Signature 3/23/90
Shipment Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 3-23-90

EAST GRID BETWEEN 375.800 AND 375.900
NORTH GRID BETWEEN 157.05 AND 157.100 EKV 559.13

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas Job Name: Southern Union Gas
 Address: P.O. Box 2000 GRAVES TX Address: P.O. Box 980 HOBBS N.M.
 Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: _____ Units: Cy.
 DOT Hazard Class: NONE
 Identification Number: N/A
 Reportable Quantity: N/A
 Additional Description: PROFILE # WMA 02757
Rep Sample: 5-CT 31
 Container(s): TRAILER No.: _____ Type: END DUMP
 Special Handling Instructions: contain zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

KUSSEL BUSS Generator Authorized Agent
Kussel Buss Signature
4-13-90 Shipment Date

Transporter: TAD TRUCKING
 Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010
 Driver: John Penick Truck No.: 204-1204 Tag No./State: PR19266 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John Penick Driver Signature
4-13-90 Shipment Date
John Penick Driver Signature
4-13-90 Delivery Date

Received at: RIO HAVEN SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck
 Date: 4-13-90 812V5579.13

EAST SIDE BETWEEN 375.570/375.650

NO: CT-42

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS Job Name: SOUTHERN UNION GAS
 Address: P.O. Box 2000 GRAVES TX. Address: P.O. Box 980 HOBBS, N.M.
 Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY.

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE #: WMA 02757

REP SAMPLE: S-CT 31

Container(s): TRAILER No.: 1 Type: END DUMP

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-13-90
 Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010

Driver: GUS GARCIA Truck No.: 19-80AD Tag No./State: AP 86643CA

I hereby certify that the above named material was picked up at the generator site listed above.

Gus Garcia 4-13-90
 Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 4/13/90
 Driver Signature Delivery Date

Received at: ROT RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct

Signed: KEN HECK Print: KEN HECK

Date: 4-13-90 ELEV. 5579.13

EAST SIDE BETWEEN 375-650/375-800
 WEST SIDE BETWEEN 1550-250/1550-100
 WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

**NONHAZARDOUS
SPECIAL WASTE MANIFEST**

Generator: Southern Union Gas
Address: P.O. Box 2000 Grants N.M.
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980 Hobbs N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 22 Units: cy

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE# WMA 02757

Rep Sample: S-CT 31

Container(s): TRAILER No.: 1 Type: END DUMP

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP Hobbs, N.M. Phone: 505-393-1010

Driver: Fred Syrett Truck No.: 43-77AD Tag No./State: BP 40857CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Fred Syrett 4-13-90
Driver Signature Shipment Date

Fred Syrett 4-13-90
Driver Signature Delivery Date

Received at: Rio Rancho / ~~LAKE~~ (SANTANA) / AUBRII

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: KEN HECK

Date: 4-13-90

ERU 5579.13

EAST GRID BETWEEN 375.500 & 375.650
NORTH GRID BETWEEN 1557.25 / 1557.100
WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

NO: CT-94

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
Address: P.O. Box 2000 GRAVES, TX
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
Address: P.O. Box 980, Hobbs, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 22 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WIMA 02757

REP. SAMPLE: 3-CT 31

Container(s): TRAILER No.: 1 Type: END PUMP

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 4-13-90 Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP Hobbs, N.M. Phone: 505-393-1010

Driver: VIRGIL STEPHENS Truck No.: 203-79AD Tag No./State: PR19267 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil Stephens Driver Signature 4-13-90 Shipment Date

Virgil Stephens Driver Signature 4-13-90 Delivery Date

Received at: RIO KAN CHA SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 4-13-90 ELEV. 5579.13

EAST END BETWEEN 375.500/375.650

**NONHAZARDOUS
SPECIAL WASTE MANIFEST**

Generator: Southern Union Gas Job Name: Southern Union Gas
Address: P.O. Box 2000 GRAVES TX Address: P.O. Box 980 HOBBS, N.M.
Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 22 Units: cy
DOT Hazard Class: NONE
Identification Number: N/A
Reportable Quantity: N/A
Additional Description: PROFILE # WMA 02757
REP SAMPLE: S-CT 31
Container(s): TRAILER No.: 1 Type: END DUMP
Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-13-90
Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING
Address: 506 N. SHIPP Hobbs, N.M. Phone: 505-393-1010
Driver: Foy Smith Truck No.: 202-1202 Tag No./State: PR19268 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Foy Smith 4-13-90
Driver Signature Shipment Date

Foy Smith 4-13-90
Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heel Print: Ken Heel
Date: 4-13-90 2125 5579.13

EAST GRID BETWEEN 375.500 / 375.650
WHITE GENERATOR CANARY - TRANSPORTER PINK - LANDELL GOLD GOVERNMENT
NOTED GRID BETWEEN 1557-25 / 1557-100

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000, GRAVES, TX.
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980 Hobbs, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 22 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

REP SAMPLE: S-CT 31

Container(s): TRAILER No.: 1 Type: END Dump

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAA TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Jody Mitchell Truck No.: 21-74AA Tag No./State: AP86654CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jody Mitchell 4-13-90
Driver Signature Shipment Date

Jody Mitchell 4-13-90
Driver Signature Delivery Date

Received at: RIO RONERO SANITARY LAND FILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]
Date: 4-13-90

Print: Ken Heck
2100 S 5th Ave 13

EAST GRAVES BETWEEN 375-500 / 375-650
NORTH GRAVES BETWEEN 1557-25 / 1557-100
WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

TRIP 4250

NO: CT-47

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 GRAVES TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980 Hobbs N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 22 Units: CY

DOT Hazard Class: NONE

Identification Number: NA

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02797

REP SAMPLE = S-CT 31

Container(s): TRAILER No.: 1 Type: END DUMP

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: DAVID MEYERS Truck No.: 42-78AD Tag No./State: RP40856CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

David Meyers
Driver Signature

4-13-90
Shipment Date

David Meyers
Driver Signature

4/13/90
Delivery Date

Received at: RIO ARCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Kent Heck

Print: Kent Heck

Date: 4-13-90

ELEV 5519.13

EAST SIDE BETWEEN 375500/375650

NO: CT-48

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 Grants, Tx.
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 780, Hobbs, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REP SAMPLE = SCT 31

Container(s): TRAILER No.: 1 Type: END DUMP

Special Handling Instructions: contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Joe Dolan Truck No.: 24-81AA Tag No./State: BP46858CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-13-90
Driver Signature Shipment Date

[Signature] _____
Driver Signature Delivery Date

Received at: RTO HANCO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]

Print: KEV HECK

Date: 4-13-90

FACT CONSULTING WEEN, 375.500 / 375.650 212559.13

NONHAZARDOUS
SPECIAL WASTE MANIFEST

NO: CT-49

TP#2546

Generator: SOUTHERN UNION GAS

Job Name: SOUTHERN UNION GAS

Address: P.O. Box 2000 GRAVES NM

Address: P.O. Box 980 HOBBS, TX.

Phone: (409) 962-8888

Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REV. SAMPLE = SCT 31

Container(s): TRAILER No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Scott Woznick Truck No.: 25-84AA Tag No./State: AP86648 CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 4-13-90
Driver Signature Shipment Date

Scott Woznick 4/13/90
Driver Signature Delivery Date

Received at: RAO FARM SANITARY LANDFILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature] Print: Hel Heck

Date: 4-13-90 STEV. 5579.13

EAST SIDE BETWEEN 375,500 / 375,650
NORTH SIDE BETWEEN 1551,254 / 1551,100
WHITE - GENERATOR CANARY - TRANSPORTER ONLY LANDFILL CODE

NO: CT-50

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union GAS Job Name: Southern Union GAS
 Address: P.O. Box 2000, GRAVES, TX Address: P.O. Box 980 Hobbs, N.M.
 Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: CY.

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

REP SAMPLE: S-CT31

Container(s): TRAILER 1 No.: 1 Type: END DUMP.

Special Handling Instructions: Contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-13-90
 Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs NM Phone: 505-393-1010

Driver: Bill Brown Truck No.: 28-73AA Tag No./State: BP 85316 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

William Brown 4-13-90
 Driver Signature Shipment Date

William Brown 4-13-90
 Driver Signature Delivery Date

Received at: PO Rancho SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck
 Date: 4-13-90 ELEV 5519.13-

EAST ON 1/2 MILE BETWEEN 375.500/375.650
1/2 MILE EAST OF DESTINING 1550-251 1550.100

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas Job Name: Southern Union Gas
 Address: P.O. Box 2000, Graves, TX. Address: P.O. Box 980, Hobbs, N.M.
 Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: Cy.
 DOT Hazard Class: NONE
 Identification Number: N/A
 Reportable Quantity: N/A
 Additional Description: PROFILE # WMA 02757
REP SAMPLE: S-CT31
 Container(s): TRAILER 1 No.: 1 Type: END DUMP
 Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-13-90
 Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING
 Address: 506 N. SHIP HOBBS, N.M. Phone: 505-393-1010
 Driver: Dennis Raines Truck No.: 35-82AA Tag No./State: AP26654 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Raines 4-13-90
 Driver Signature Shipment Date

Dennis Raines 4-13-90
 Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: KEN HECK Print: KEN HECK

Date: 4-13-90 EXN 5579.13

EAST END BETWEEN 375.500 / 375.650
WORTH END BETWEEN 1557.25 / 1557.100
 WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

NO: CT-52

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 Grants, Tex.
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980 Hobbs N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: Cy.

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # ~~S-CT31~~ WMA 02757

REP SAMPLE: ~~WMA 02757~~ S-CT 31

Container(s): TRAILER 1 No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CARBONATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-13-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPPA Hobbs N.M. Phone: 505-393-1010

Driver: HARRY JOHNSTON Truck No.: 26-85AA Tag No./State: AP86649 CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Hans A. Johnston
Driver Signature

4-13-90
Shipment Date

Harry Johnston
Driver Signature

4-13-90
Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 4-13-90

2625579.13

EASTWARD BETWEEN 375.500/375.650
NORTHWARD BETWEEN 1551.25/1557.100
WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

NO: CT-53

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas Job Name: Southern Union Gas
 Address: P.O. Box 2000 Graves, TX Address: P.O. Box 980 Hobbs N.M.
 Phone: (409) 962-8888 Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: ~~CONTAMINATED~~ ^{CONTAMINATE} Soil Quantity: 20 Units: cy
 DOT Hazard Class: None
 Identification Number: N/A
 Reportable Quantity: N/A
 Additional Description: Profile # WMA 02757
Rep. Sample: 5-CT32
 Container(s): TRAILER 1 No.: 1 Type: END DUMP
 Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-13-90
 Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING
 Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010
 Driver: Robert Scott Truck No.: 44-86AD Tag No./State: BP 40858CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Robert Scott 4-13-90 Robert Scott 4-13-90
 Driver Signature Shipment Date Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck
 Date: 4-13-90 2121 5579.13

EAST GRAD BETWEEN 375.500/375.650
NORTH GRAD BETWEEN 1557.25/1557.100
 WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

NO: CT-58

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 Clark, TN
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980, Hobbs, N.M.
Phone: (505) 396-2821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROCEED # WMA 02757

REP SAMPLE: 5-CT 32

Container(s): TRAILER 1 No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1610

Driver: John Perick Truck No.: 204-1204 Tag No./State: PR 19266 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

John Perick 4-16-90
Driver Signature Shipment Date

John Perick 4-16-90
Driver Signature Delivery Date

Received at: PO RANCHO SANITARY LANDFILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 4-14-90

Print: KEN HECK
ELEV. 5579.13

EAST GIRL BETWEEN 375.570 / 375.650
1100 TA GIRL BETWEEN 1557.25 / 1557.800 1557.100

NO: CT-55

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000, GRAVES, TX.
Phone: (409) - 962- 8888

Job Name: Southern Union Gas
Address: P.O. Box 980, Hobbs, N.M.
Phone: (505) 396- 5826

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: Cy.

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep Sample : 5-CT 32

Container(s): TRAILER -1 No.: 1 Type: End Pump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010

Driver: Gus Garcia Truck No.: 19-80AD Tag No./State: AP 26643 CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Gus Garcia 4-16-90
Driver Signature Shipment Date

Gus Garcia 4/16/90
Driver Signature Delivery Date

Received at: Rio Rancho SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]
Date: 4-16-90

Print: [Signature]
EKEU 5579.13

EAST SIDE BETWEEN 375.500 / 375.650
NORTH SIDE BETWEEN 1557.25 / 1557.100

NO: CT-56

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000, GRAVES, TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980, HOBBS, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: ~~WASTE~~ ^{CONTAMINATED} SOLIC Quantity: 21 Units: cy

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: Profile # WMA 02757

Rep. Sample: 5-CT 32

Container(s): TRAILER 1 No.: 1 Type: End Dump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 4-16-90 Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP Hobbs N.M Phone: _____

Driver: Fred Syfrett Truck No.: 43-77AD Tag No./State: BP40857CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Fred Syfrett Driver Signature 4-16-90 Shipment Date

Fred Syfrett Driver Signature 4-16-90 Delivery Date

Received at: R.O. Honcho San. Tank Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 4-16-90 ELEV: 557A.13

EAST END BETWEEN 375.500/375.650
1107TH END BETWEEN 1557.05/1557.100

NO: CT-57

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 GRAVES, TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980 Housh, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED Soil Quantity: 21 Units: cy

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # NMA 02757

REP SAMPLE : S-CT-32

Container(s): TRAILER 1 No.: 1 Type: END DUMP.

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Russel Buss 4-16-90
Generator Authorized Agent Signature Shipment Date

Transporter: TAD TRUCKING

Address: 506 W. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Foy Smith Truck No.: 202-1202 Tag No./State: PR 19268 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Foy Smith 4-16-90
Driver Signature Shipment Date

Foy Smith 4-16-90
Driver Signature Delivery Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Kew Heck Print: Kew Heck

Date: 4-16-90 Elev. 5579.13

EAST GRID BETWEEN 375.500/375.650

NO: CT58

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas

Job Name: Southern Union Gas

Address: P.O. Box 2000, GRAVES, TX

Address: P.O. Box 980, HOBBS, N.M.

Phone: (409) 962-8888

Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REP SAMPLE: SCT32

Container(s): TRAILER 1 No.: 1 Type: END RMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. Shipp Hobbs N.M. Phone: 505-393-1010

Driver: VIRGIL STEPHENS Truck No.: 203-79AA Tag No./State: PR19267 N.M.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Virgil Stephens 4-16-90
Driver Signature Shipment Date

Virgil Stephens 4-16-90
Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: JEN HECK

Print: JEN HECK

Date: 4-16-90

EVEN-5579.13

EAST SIDE BETWEEN 375-500/375-650
NORTH SIDE BETWEEN 1557-25/1557/60

NO: CT59

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: PO Box 2000 GRAVES, TX
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: PO Box 980, Hobbs, NM.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: NA

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REP SAMPLE: S-CT 32

Container(s): TRAILER 1 No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel BUSS
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPPA Hobbs N.M. Phone: 505-393-1016

Driver: Allen Hicks Truck No.: 24-81AA Tag No./State: BP46858CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Allen Hicks 4-16-90
Driver Signature Shipment Date

Allen Hicks 4-16-90
Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck
Date: 4-16-90

Print: Ken Heck
TELE 557.9.13

EAST SIDE BETWEEN 375.500/375.600
NORTH SIDE BETWEEN 1557.25/1557.100

NO: CT60

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: Southern Union Gas
Address: P.O. Box 2000 GRAVES, TX.
Phone: (409) 962-8888

Job Name: Southern Union Gas
Address: P.O. Box 980, Hobbs, TX.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contaminated Soil Quantity: 20 Units: cy

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757
REP Sample - S-CT32

Container(s): TRAILER No.: 1 Type: End Dump

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010

Driver: DENNIS RAINES Truck No.: 35-82AD Tag No./State: AP-86654 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Raine 4-16-90
Driver Signature Shipment Date

Dennis Raine 4-16-90
Driver Signature Delivery Date

Received at: PRO SANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 4-16-90

E12V 5579.13

EAST ON RD BETWEEN 375.500/375.650
NORTH GRAVE BETWEEN 1557.25/1557.100

NONHAZARDOUS
SPECIAL WASTE MANIFEST

NO: CT 61
TP# 2547

Generator: SOUTHERN UNION GAS

Job Name: SOUTHERN UNION GAS.

Address: P.O. Box 2000, GRAVES, TX

Address: P.O. Box 980, Hobbs, NM.

Phone: (409) 962-8888

Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 20 Units: Cy.

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REP SAMPLE: S-CT 32

Container(s): TRAILER - 1 No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: Scott Woznick Truck No.: 25-84AD Tag No./State: AP86648 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Scott Woznick 4/16-90
Driver Signature Shipment Date

Scott Woznick 4/16/90
Driver Signature Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above named material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: KEN HECK

Date: 4-16-90

ETEN 5579.13

EAST GRID BETWEEN 375.500 / 375.650
NORTH GRID BETWEEN 1557.25 / 1557.100
WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

NO: CT62

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
Address: P.O. BOX 2000 GRAVES, TX
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
Address: P.O. BOX 980, HOBBS, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CU

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REF. SAMPLE: S-CT-32

Container(s): TRAILER - 1 No.: _____ Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIP HOBBS N.M. Phone: 505-393-1010

Driver: DAVID MEYERS Truck No.: 42-78AD Tag No./State: BP40856 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

David Meyers
Driver Signature 4-16-90
Shipment Date

David Meyers
Driver Signature 4-16-90
Delivery Date

Received at: PIO PULCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 4-16-90

EBU 5579.13

EAST CRV# BETWEEN 375.500 / 375.650
W. CRV# BETWEEN 1557.257 / 1557.100

NO: CT63

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: SOUTHERN UNION GAS
Address: P.O. BOX 2000, GRAVES, TX
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
Address: P.O. BOX 980, HOBBS, NM.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOIL Quantity: 21 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFILE # WMA 02757

REP SAMPLE : S-CT32

Container(s): TRAILER -1 No.: _____ Type: BY END DUMP

Special Handling Instructions: CONTAINS ZINC ~~CHROMATE~~ CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 4-16-90 Shipment Date

Transporter: TAD TRUCKING

Address: 506 N. SHIPP Hobbs N.M. Phone: 505-393-1010

Driver: Jody Mitchell Truck No.: 21-74AD Tag No./State: AP 86654 CA.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jody Mitchell Driver Signature 4-16-90 Shipment Date Jody Mitchell Driver Signature _____ Delivery Date

Received at: RIO RANCHO SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: JEN HECK Print: JEN HECK

Date: 4-16-90 8181.5579.13

EAST ORANGE BETWEEN 375.500/375.650
NORTH ORANGE BETWEEN 1557.25/1557.100
WHITE - GENERATOR CANARY - TRANSPORTER PINK - LANDFILL GOLD - GOVERNMENT

**NONHAZARDOUS
SPECIAL WASTE MANIFEST**

Generator: SOUTHERN UNION GAS
Address: P.O. Box 2000 GRAVES, TX.
Phone: (409) 962-8888

Job Name: SOUTHERN UNION GAS
Address: P.O. Box 980 HOBBS, N.M.
Phone: (505) 396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED Soil Quantity: 22 Units: CY

DOT Hazard Class: NONE

Identification Number: N/A

Reportable Quantity: N/A

Additional Description: PROFICE # WMA02757
Rep Sample : 5-CT32

Container(s): TRAILER -1 No.: 1 Type: END DUMP

Special Handling Instructions: CONTAINS ZINC CHROMATE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

4-16-90
Shipment Date

Transporter: TAD TRUCKING

Address: 506 W. Sh. pp Hobbs N.M. Phone: 505-373-1010

Driver: Bob Scott Truck No.: 44-86AD Tag No./State: BP-40858CA

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Robert Scott 4-16-90
Driver Signature Shipment Date

Robert Scott 4-16-90
Driver Signature Delivery Date

Received at: RIO GRANDE SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: [Signature]
Date: 4-16-90

Print: KEU HECK
EEU 5579.13

EAST GRID BETWEEN 375.500/375.600
NORTH GRID BETWEEN 1557.25/1557.100

**NONHAZARDOUS
SPECIAL WASTE MANIFEST**

Generator: So. Union Gas

Job Name: Lea Refinery

Address: Port Arthur, Texas 77642

Address: 5 miles se. of Livingston Hwy 10, H. 605 N/A

Phone: 409-962-8888

Phone: 505-396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: contaminated soil Quantity: 18 Units: CY

DOT Hazard Class: NA

Identification Number: NA

Reportable Quantity: NA

Additional Description: contains Zinc Chromate

Container(s): Trailer No.: 1 Type: END Dump

Special Handling Instructions: In case of spill contains Zinc Chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

10/9/90
Shipment Date

Transporter: TAD TRUCKING

Address: 814 W. MARLAND Hobbs, N.M Phone: 505-393-1010

Driver: Dennis Cosby Truck No.: 34-101A Tag No./State: 021467 UT.

I hereby certify that the above named material was poked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Cosby 10/9/90
Driver Signature Shipment Date

Dennis Cosby 10/9/90
Driver Signature Delivery Date

Received at: Rio Rancho ~~Landfill~~ Military Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 10-9-90

EAST Grid BETWEEN 375.400/375.450
NORTH Grid BETWEEN 1557.50/1557.1.
Elev. 5559.13

NO: CT-73

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: So. Union Gas

Job Name: Lea Refinery

Address: 4173 39th St. Port Arthur TX ⁷⁷⁶⁴²

Address: 5 miles so of Lovington Hwy, 10 Hobb.

Phone: 409-962-8888

Phone: 505-396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contaminated Soil Quantity: 17 Units: YDS

DOT Hazard Class: NONE

Identification Number: NA

Reportable Quantity: NONE

Additional Description: contains Zinc Chromate

Container(s): Trailer No.: 1 Type: END DUMP

Special Handling Instructions: contains Zinc Chromate in case of spill

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

10/9/90
Shipment Date

Transporter: TAD TRUCKING

Address: 814 W. MARLAND Hobbs N.M. Phone: 505-393-1616

Driver: Tommy Cosby Truck No.: 46-75AN Tag No./State: 013884 UT.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Tommy Cosby
Driver Signature

10/9/90
Shipment Date

Tommy Cosby
Driver Signature

10/10/90
Delivery Date

Received at: RO Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck

Print: Ken Heck

Date: 10-10-90

ETOV. 5559.13

EAST SIDE BETWEEN 375.460/375.450 NORTH END BETWEEN 1559.50/1559.102

NO: CT-74

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: So. Union Gas

Job Name: LEA Refinery

Address: 4173 39th St. Port Arthur Tx. 77642

Address: 5 miles So. of Livingston Hwy. 18. Hobbs

Phone: 409-962-8888

Phone: 505-396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: Contaminated Soil Quantity: 19 Units: Yds

DOT Hazard Class: none

Identification Number: N/A

Reportable Quantity: none

Additional Description: contains zinc chromate

Container(s): TRAILER No.: 1 Type: end dump

Special Handling Instructions: Contains zinc chromate in case of spill

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss
Generator Authorized Agent

Russel Buss
Signature

10/9/90
Shipment Date

Transporter: TAD TRUCKING

Address: 814 W. MARLAND Hobbs N.M. Phone: 505-393-1016

Driver: Robert Hawkins Truck No.: 43-83AD Tag No./State: 014814 UT.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Robert Hawkins 10/9/90
Driver Signature Shipment Date

Robert Hawkins 10-10-90
Driver Signature Delivery Date

Received at: Rio Rancho Sanitary Landfill

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Kent Heck

Print: Kent Heck

Date: 10-10-90

EAST Grid BETWEEN 375.400/375.450

ETW. 5559.13

North Grid BETWEEN 1557.50/1557.100

NO: CT-75

NONHAZARDOUS SPECIAL WASTE MANIFEST

Generator: So. Union GAS
Address: PORT ARTHUR, TX 77642
Phone: 409-962-8888

Job Name: Lea Refinery
Address: 5 miles so of Houston Hwy 18 Hobbs,
Phone: 505-396-5821

QUANTITY AND DESCRIPTION

Proper Shipping Name: CONTAMINATED SOLID Quantity: 08 Units: CY
DOT Hazard Class: NA
Identification Number: NA
Reportable Quantity: NA 1347 KLS
Additional Description: CONTAINS ZINC CHROMATE

Container(s): TRAILER No.: 1 Type: End dump
Special Handling Instructions: in case of spill contains zinc chromate

I hereby certify that the above named material does not contain free liquid as defined by 40 CRF Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CRF 261 or any applicable state law has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Russel Buss Generator Authorized Agent Russel Buss Signature 10/10/90 Shipment Date

Transporter: TAD TRUCKING Co.

Address: 814 W. MARLAND Hobbs NM Phone: 505 393-1010

Driver: Dennis Cosby Truck No.: 34-101A Tag No./State: 021467 UT.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dennis Cosby Driver Signature 10/10/90 Shipment Date

Dennis Cosby Driver Signature 10/10/90 Delivery Date

Received at: RIO GRANDE SANITARY LANDFILL

I hereby certify that the above name material has been accepted and to the best of my knowledge, the above is true and correct.

Signed: Ken Heck Print: Ken Heck

Date: 10-10-90 EAST GRID BETWEEN 375.1100/375.4

Elev: 5559.13

North Grid BETWEEN 155750/1557.110

WASTE PROFILES



Waste Management of North America GENERATOR'S SPECIAL WASTE PROFILE SHEET

TYPE A Waste
PLEASE PRINT IN INK OR TYPE

 WMA 060058

Waste Profile Sheet Code

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED

(Shaded Areas For WMNA Use Only)

Renewal Date of Service Agreement: _____

WMNA Sales Rep#: _____

A. WHERE IS THE WASTE GENERATED?

- Generator Name: Southern Union Gas Company
- Facility Address (site of waste generation): P.O. Box 980
- Generator City, State/Province: Hobbs, New Mexico
- Zip/Postal Code: 88240
- Generator USEPA/Federal ID: NMT36001036700003
- Generator State/Province ID: N/A
- Technical Contact: Russel A. Buss
- Phone: (409) 962-8888

B. WHERE ARE WASTE MANAGEMENT, INC. INVOICES SENT?

- Generating Facility (A, above), or
- Company Name: Southern Union Gas Company
- Phone: (409) 962-8888
- Address: Post Office Box 2000
- Generator City, State/Province: Groves, Texas
- Zip/Postal Code: 77619

C. PHYSICAL CHARACTERISTICS OF WASTE (See Instructions)

- Name of Waste: Soil contaminated by chromate solution spill
- Process Generating Waste: Remediation of soil below a cooling tower.
- Special Handling Instructions: Avoid dust

4. Color <u>Brown</u>	5. Does the waste have a strong incidental odor? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes if so, describe: _____	6. Physical State @ 70°F/21°C: <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Semi-Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Powder Other: _____	7. Layers <input type="checkbox"/> Multi-layered <input type="checkbox"/> Bi-layered <input checked="" type="checkbox"/> Single Phased	8. Specific Gravity: Range <u>2,200 - 2,600</u> lb./cu. yd.	9. Free Liquids: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Volume: _____ %
10. pH: <input type="checkbox"/> ≤ 2 <input type="checkbox"/> > 2-4 <input type="checkbox"/> 4-7 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 7-10 <input type="checkbox"/> 10- < 12.5 <input type="checkbox"/> ≥ 12.5 <input type="checkbox"/> Range <input type="checkbox"/> NA					
11. Flash Point: <input checked="" type="checkbox"/> None <input type="checkbox"/> < 140°F/60°C <input type="checkbox"/> 140°-199°F/60°-83°C <input type="checkbox"/> ≥ 200°F/93°C <input type="checkbox"/> Closed Cup <input type="checkbox"/> Open Cup					

D. TRANSPORTATION INFORMATION

- Method of Shipment: Bulk Liquid Bulk Sludge Bulk Solid Drum/Box Other _____
- Annual Amount/Units: 200 cu. yd. Maximum
- Supplemental Information: Only nonhazardous soil will be shipped to Waste Mgmt. of North America, Inc. Hazardous soils will be sent to Chemical Waste Mgmt., Inc.

- Is this a DOT hazardous material? No Yes (If so, complete 5, 6 & 7)
- Reportable Quantity/ Units (lb/kg): None
- Shipping Name: None
- Hazard Class/ID #: None

Check this box if additional information is attached.

Turn Page and Complete Side 2



Waste Management of North America GENERATOR'S SPECIAL WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

E. CHEMICAL COMPOSITION

1.	RANGE MIN.-MAX.	2. Does this waste contain any of the following (provide concentration if known):
Soil	99 - 100 %	
Metals - see attached analysis	- %	NO or LESS THAN or ACTUAL
	- %	PCB's <input checked="" type="checkbox"/> <input type="checkbox"/> <50 ppm _____ ppm
	- %	Cyanides <input checked="" type="checkbox"/> <input type="checkbox"/> <50 ppm _____ ppm
	- %	Sulfides <input checked="" type="checkbox"/> <input type="checkbox"/> <50ppm _____ ppm
	- %	Phenolics <input checked="" type="checkbox"/> <input type="checkbox"/> <50 ppm _____ ppm
	- %	
	- %	
	- %	
	- %	
	- %	
	- %	
	- %	

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%.

Total: 100 %

F. METALS

1. Does this waste contain any of the following metals (provide concentration if known):

Arsenic <input checked="" type="checkbox"/> <5 or _____ ppm	Barium <input checked="" type="checkbox"/> <100 or _____ ppm	Cadmium <input checked="" type="checkbox"/> <1 or _____ ppm
Chromium <input checked="" type="checkbox"/> <5 or _____ ppm	Lead <input checked="" type="checkbox"/> <5 or _____ ppm	Mercury <input checked="" type="checkbox"/> <0.2 or _____ ppm
Selenium <input type="checkbox"/> <1 or _____ ppm	Silver <input type="checkbox"/> <5 or _____ ppm	Copper <input type="checkbox"/> _____ ppm
Nickel <input type="checkbox"/> _____ ppm	Zinc <input type="checkbox"/> _____ ppm	

2. Indicate method used to determine concentration (if provided): EP TOX TCLP, or Total

G. GENERATOR CERTIFICATION

- By signing this profile sheet, the generator certifies that unless clearly stated above or in attachments:
- This waste is not a "Hazardous Waste" as defined by USEPA or Canadian Federal regulation and/or the state/province.
 - This waste does not contain regulated quantities of PCB's (Polychlorinated Biphenyls).
 - This sheet and its attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.
 - The Contractor's Definition of Special Waste (Form WMNA 0038 AD) has been read, signed and attached.

Russel Buss
Signature

Russel A. Buss
7. Name (Type or Print)

Project Manager
6. Title

09-07-90
8. Date



CONTRACTOR'S DEFINITION OF SPECIAL WASTE

WMA 02757
WASTE PROFILE CODE

1. "Special Waste" means Type A or Type B Special wastes as defined below.
2. "Type A Special Waste" means any waste, from a commercial or industrial activity meeting any of the following descriptions.
 - a. A containerized waste (e.g., a drum, portable tank, lugger box, roll-off box, pail, bulk tanker, etc.) listed in b-g. below.
 - b. A waste containing free liquids.
 - c. A sludge waste.
 - d. A waste from an industrial process.
 - e. A waste from a pollution control process.
 - f. Residue and debris from the cleanup of a spill of a chemical substance or commercial product or a waste listed in a-e. or g.
 - g. Contaminated residuals, or articles from the cleanup of a facility generating, storing, treating, recycling, or disposing of wastes listed in a-f.

3. Incidental Amounts of Special Waste

The Contractor recognizes that many customers will produce some "Type B Special Waste," as defined below. Incidental quantities of "Type B Special Waste," do not require a Generator's Type B Special Waste Profile Sheet (Form WMNA-0089B) to be signed by the customer. However, the customer must identify the type and amount of Type B Special Wastes which will be provided to the Contractor in incidental amounts by completing the box in the lower right corner.

4. "Type B Special Waste" means any waste from a commercial or industrial activity meeting the descriptions which follow:

- a. Friable asbestos waste from building demolition or cleaning; wall board, wall spray coverings, pipe insulation, etc. Nonfriable asbestos is not a special waste unless it has been processed, handled or used in such a way that asbestos fibers may be freely released. Asbestos-bearing industrial process waste is a "Type A Special Waste."
- b. Commercial products or chemicals which are off-specification, outdated, unused or banned. Out-dated or off-specification, uncontaminated food or beverage products in original consumer containers are not included in this category, however, containers which once held commercial products or chemicals are included unless the container is empty. A container is empty when:

All wastes have been removed that can be removed using the practices commonly employed to remove materials from the type of container, e.g., pouring, pumping or aspirating, and an end has been removed (for containers in excess of 25 gallons), and no more than 1 inch (2.54 centimeters) of residue remains on the bottom of the container or inner liner, or no more than 3% by weight of the total capacity of the container remains in the container (containers \leq 110 gallons), or no more than 0.3% by weight of the total capacity of the container remains in the container (containers $>$ 110 gallons.) Containers which once held ACUTELY HAZARDOUS WASTES must be triple rinsed with an appropriate solvent or cleaned by an equivalent method. Containers which once held substances regulated under the Federal Insecticide, Fungicide, and Rodenticide Act must be empty according to label instructions or triple rinsed.
- c. Untreated bio-medical waste - Any waste capable of inducing infection due to contamination with infectious agents from a bio-medical source including but not limited to a medical practitioner, hospital, medical clinic, nursing home, university medical laboratory, mortuary, taxidermist, veterinarian, veterinary hospital or animal testing laboratory. Sharps from these sources must be rendered harmless or placed in needle puncture proof containers. Residue from incineration of infectious wastes is a "Type A Special Waste."
- d. Treated bio-medical wastes - Any wastes from a bio-medical source including but not limited to a hospital, medical clinic, nursing home, medical practitioner, mortuary, taxidermist, veterinarian, hospital, animal testing laboratory, or university medical laboratory which has been autoclaved or otherwise heat treated or sterilized so that it is no longer capable of inducing infection. Any sharps from these sources must be rendered harmless or placed in needle puncture proof containers.
- e. Liquids and sludges from septic tanks, food service grease traps, or washwater and wastewaters from commercial laundries, laundromats and car washes unless these wastes are managed at commercial or public treatment works.
- f. Chemical-containing equipment removed from service. Examples: filters, cathode ray tubes, lab equipment, acetylene tanks, fluorescent light tubes, etc.
- g. Waste produced from the demolition or dismantling of industrial process equipment or facilities contaminated with chemicals from the industrial process. Chemicals or wastes removed or drained from such equipment or facility are "Type A Special Wastes."

CUSTOMER ACKNOWLEDGES THAT HE HAS READ THE FOREGOING DEFINITION AND HAS IDENTIFIED THE TYPES AND AMOUNTS OF ANY TYPE B WASTE STREAMS PRODUCED IN INCIDENTAL AMOUNTS.

X Southern Union Company
CUSTOMER

X Russel C. Buss
AUTHORIZED SIGNATURE

X Feb. 5, 1990
DATE

INCIDENTAL WASTE TYPES AND AMOUNTS:

Printed on recycled paper (3)



SPECIAL WASTE MANAGEMENT DECISION

02757

Waste Profile Sheet Code

I. Request For Decision: Initial Renewal

GENERATOR NAME: Southern Union Company ADDRESS: P.O. Box 980

CITY, STATE/PROVINCE: Hobbs, NM

WASTE NAME(S): Zinc Chromate contaminated soil

PROPOSED MANAGEMENT FACILITY: Lis Rancho Landfill

PROPOSED INTERMEDIATE TRANSFER FACILITY: None TRANSPORTER: CWM

WMNA REQUESTOR: Lance Robinson SIGNATURE: [Signature]

II. TECHNICAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED Check if additional information is attached.

If Disapproved, Explain: _____

If Approved, Complete A, B, C and D Below:

A Management Method(s): See attached special conditions

B Precautions, Conditions, or Limitations on Approval: See attached special conditions

C Decision Expiration Date: 6/1/90

D For Type A Wastes, Laboratory Analysis of a Representative Sample Was: (Check only one)

Waived Supplied By Generator From a WMI-Approved Lab From Both Generator and WMI-Approved Lab

TECH. MGR. SIGNATURE: [Signature] NAME (Print): Lance Robinson DATE: 3/5/90

III. WMI MANAGEMENT FACILITY GENERAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED

If Approved, State any Additional Precautions, Conditions or Limitations: _____

GENERAL MGR SIGNATURE: [Signature] NAME (Print): William Steeny DATE: 3/13/90

IV. WMI INTERMEDIATE TRANSFER FACILITY GENERAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED

If Approved, State any Additional Precautions, Conditions or Limitations: _____

GENERAL MGR SIGNATURE: _____ NAME (Print): _____ DATE: _____

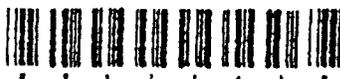
Chemical Waste Management, Inc.



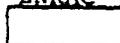
GENERATOR'S WASTE MATERIAL PROFILE SHEET

MISCELLANEOUS SPECIAL WASTE
PLEASE PRINT IN INK OR TYPE (EIta, 12-pitch).

RECEIVED
3-16-90



ENRAC



W 12143

Waste Profile Sheet Code

CWM Location of Original: _____

(SHADED AREAS FOR CWM USE ONLY)

CWM Sales Rep. #: 057

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED.

Return this form to: _____

Zip Code: _____

A. GENERAL INFORMATION

1. Generator Name: Southern Union Company 2. Generator USEPA ID: NMT360010367
 3. Facility Address: Lea Refinery 4 miles SE of Lovington, NM 4. Generator State ID: _____
P.O. Box 980 Hobbs, NM 5. Zip Code: 88241
 6. Technical Contact: Russel A. Buss 7. Title: Vice President 8. Phone: (409) 962-8888
Bob Hulet - CWM - Project Manager 505-396-5831 801-364-6413

Per Bob Hulet 3/

B. MAIL CHEMICAL WASTE MANAGEMENT, INC. INVOICES TO

1. Generating Facility (A, above), or
 2. Company Name: CWM-ENRAC 3. Phone: (415) 651 - 2964
 4. Address: 4227 Technology Drive Fremont, CA 94538 Project # 90-04-1598
 5. Zip Code: _____

C. 1. NAME OF WASTE Soil contaminated with zinc chromate solution
 2. PROCESS GENERATING WASTE windborne spray of water from cooling tower

D. CLASSIFICATION OF WASTE MATERIAL AND SUPPLEMENTAL INFORMATION (from instructions)

#13

E. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? Yes No 2. Anticipated Annual Volume/Units: 30-40/yr³ year
 3. Proper Shipping Name: RO, Hazardous Waste Solid, NOS
 4. Hazard Class: ORM-E 5. I.D. #: NA9189
 6. Additional Description: (EPA Toxic for chrome)
 7. Method of Shipment: Bulk Liquid Bulk Solid Drum (Type/Size): _____ / _____ Other: _____
 8. CERCLA Reportable Quantity (RQ): 1 9. RQ Units (lb/kg): pound
 10. USEPA Hazardous Waste? Yes No 11. USEPA Hazardous Waste Number(s): D007
 12. State Hazardous Waste? Yes No 13. State Hazardous Waste Number(s): None

F. GENERATOR CERTIFICATION

By signing this profile sheet, the generator certifies that unless clearly stated above or in attachments:
 1. This waste is not a "Hazardous Waste" as defined by either 40 CFR 261 or the state in which the waste is now located.
 2. This waste is not a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005).
 3. This waste is not a Dioxin listed waste as defined by 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028).
 4. This waste does not contain greater than 1000 ppm halogenated organic compounds.
 5. This waste does not contain regulated quantities of PCB's (Polychlorinated Biphenyls).
 6. This sheet and its attachments contain true and accurate descriptions of this waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

7. Signature Russel A. Buss
 8. Name (Type or Print) Russel A. Buss

Project Manager
 8. Title _____
 10. Date March 15, 1990



SPECIAL WASTE MANAGEMENT DECISION



LOCATION OF ORIGINAL Lake Charles

How W12143
Waste Profile Sheet Code

I. REQUEST FOR DECISION: INITIAL RENEWAL
 REQUESTOR NAME C. W. Kitto GENERATOR NAME Interlin Union Company
 WMI COMPANY Chemical Waste Management
 LOCATION: Lake Charles Facility WASTE NAME Sol Contaminated W/Chrome
 PROPOSED ULTIMATE MANAGEMENT FACILITY: Chemical Waste Management - Lake Charles Facility
 PROPOSED INTERMEDIATE TRANSFER FACILITY: None
 TRANSPORTATION TO BE PROVIDED BY: CWM or Outside Contractor

II. TECHNICAL MANAGER AND LABORATORY MANAGER DECISION: APPROVED DISAPPROVED
 A. IF DISAPPROVED, EXPLAIN Schedule Code: 1) F11
 2) _____
 3) _____
 B. IF APPROVED, COMPLETE EACH SECTION BELOW
 1. APPROVED MANAGEMENT METHOD(S) [] Decant for Fuels/Landfill drum filling or crushing
 [] Destruction of Cyanide or Sulfide by oxidation then
 [] Blend with waste water and deep well
 [] Stabilize and landfill
 [] Store for Solvent Recovery SRR or OSCO
DCS Code 151
 Landfill
 DOES THE ABOVE PRODUCE A WMI SPECIAL WASTE? YES NO (IF YES YOUR APPROVAL SHOULD BE CONDITIONED OBTAINING A WMI SPECIAL WASTE MANAGEMENT DECISION BY A DATE CERTAIN.)
 2. PERMIT STATUS WITH RESPECT TO THIS SPECIAL WASTE USING THE APPROVED MANAGEMENT METHOD(S)
Fully Permitted California List Restriction Land Ban F-Waste
 3. PRECAUTION CONDITIONS OR LIMITATIONS ON APPROVAL
 [] None Free liquids call(1) will apply
 No Free Liquids P11 sample from first load to develop recipe
 4. SPECIAL EMPIRICAL OBSERVATIONS OR TESTS WHICH MUST BE MADE ON EACH LOAD OF THIS SPECIAL WASTE AT THE TIME DELIVERED TO THE PROPOSED FACILITY IN ADDITION TO APPLICABLE WASTE ANALYSIS PLAN REQUIREMENTS
 Fingerprint [] Compatibility Check [] BIU/CI
 Solvents Generator Must Acknowledge
 Other Changes to WPS. Sec. D
 5. LABORATORY ANALYSIS OF A REPRESENTATIVE SPECIAL WASTE SAMPLE WAS (check only one)
 WAIVED SUPPLIED BY GENERATOR FROM A WMI LAB FROM BOTH GENERATOR AND WMI LAB
 6. SPECIAL WASTE CHARACTERIZATION FOR PURPOSES OF COMPANY POLICY (check only one)
 REGULATED HAZARDOUS NON-REGULATED HAZARDOUS NON-HAZARDOUS
 7. PROPER USDOT SHIPPING NAME
 PER THE GENERATOR WASTE MATERIAL PROFILE SHEET OR PROPER USDOT SHIPPING NAME _____

HAZARD CLASS _____ USDOT ID NO _____

ADDITIONAL DESCRIPTION _____

8. DECISION EXPIRATION DATE 3/20/92

TECH MGR. SIGNATURE _____ LAB MGR SIGNATURE D. Walther
 NAME (Print) T. A. Kurkijy NAME (Print) G. Grout, D. Walther or R. Rutkowski
 DATE _____ DATE 3/20/90

III. WMI ULTIMATE MANAGEMENT FACILITY GENERAL MANAGER DECISION: APPROVED DISAPPROVED
 IF APPROVED, STATE ANY ADDITIONAL PRECAUTIONS, CONDITIONS OR LIMITATIONS
 GENERAL MGR SIGNATURE T. Kurkijy DATE 3/20/90
 NAME (Print) C. W. Kitto or T. A. Kurkijy

V. WMI INTERMEDIATE TRANSFER FACILITY GENERAL MANAGER DECISION: APPROVED DISAPPROVED
 IF APPROVED STATE ANY ADDITIONAL PRECAUTIONS, CONDITIONS OR LIMITATIONS
 GENERAL MGR SIGNATURE _____ DATE NO 3/20/90
 NAME (Print) _____