

GW - 190

MONITORING REPORTS

DATE:

2000 - 1995

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**CLOSURE PLAN
FORMER ACID DOCK AREA AND
FORMER FUEL ISLAND
ARTESIA, NEW MEXICO**

BJ SERVICES COMPANY, U.S.A.

JUNE 30, 1997

**CLOSURE PLAN
FORMER ACID DOCK AREA AND
FORMER FUEL ISLAND
ARTESIA, NEW MEXICO**

Prepared for

BJ Services Company, U.S.A.
8701 New Trails Drive
The Woodlands, Texas 77381

Project Number: 2988-09


Timothy L. Jenkins

June 30, 1997

Brown and Caldwell
1415 Louisiana, Suite 2500
Houston, Texas 77002 - (713) 759-0999

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"This is a draft report and is not intended to be a final representation of the work done or recommendations made by Brown and Caldwell. It should not be relied upon; consult the final report."

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1.0 INTRODUCTION

This closure plan serves as notification to the New Mexico Oil Conservation Division (NMOCD) for closure and sampling activities to be performed at the former acid dock area and the former fuel island area. BJ Services Company, U.S.A. (BJ Services) owns and operates the Artesia District Facility located in Eddy County, in the SE/4, Section 32, Township 16 South, Range 26 East. The facility address is 2401 Sivley, Artesia, New Mexico, 88210. A site location map and site plan are attached as Figures 1 and 2, respectively.

The former acid dock area was constructed in the early 1980's, and includes the following units/facilities:

- an elevated slab area used for storing miscellaneous chemical additives;
- drum storage area slab;
- a ramp leading to the elevated slab;
- a truck staging/loading pad, with curbing and a field drain;
- an elevated 25,000 gallon 32%-solution hydrochloric acid storage tank;
- tank supports and footings;
- a sump to collect drainage from the truck staging/loading pad; and
- miscellaneous curbing and slab areas.

This closure plan was developed to describe, in general, the removal of the above units/facilities, and the sampling activities to be performed following the removal. This closure plan also describes the sampling activities prescribed for the former fuel island area. A letter from the NMOCD dated November 18, 1996 outlines the general sampling requirements to achieve closure at the former acid dock area. According to the letter, "soil samples will be collected from each of the sidewalls, and a composite from the floor of each excavation" following the removal of the former acid dock. This closure plan is prepared in accordance with the NMOCD guidance document entitled "Unlined Surface Impoundment Closure Guidelines" (February 1993) in order to define the treatment levels for BTEX and TPH. In accordance with the guidance document and the NMOCD letter mentioned above, this closure plan contains the following elements:

- The procedures that will be used to conduct a soil assessment and the circumstances under which a groundwater assessment will be conducted.
- The procedures that will be used to manage, remediate, or dispose of contaminated soil and groundwater, if any.
- Reporting procedures that will be used to document the closure activities and obtain approval for final closure from the NMOCD.

The fuel island, having undergone previous remedial activities, will be sampled for confirmation that the soils in the former fuel island area meet NMOCD requirements.

2.0 SITE ASSESSMENT

BJ Services will perform a site assessment to determine the extent to which site soils/groundwater may have been impacted by the past operation of the acid dock and fuel island. The results of the site assessment will be used for evaluating the need for remediation and the type of closure best suited for the site.

2.1 General Site Characteristics

BJ Services has determined that the depth to groundwater, defined as the vertical distance from the lowermost contaminants to the seasonal high water elevation of the groundwater, is less than 50 feet based on previous monitor well observations in the area. Therefore, according to the following table, a site ranking score of 20 is assigned for the site groundwater criteria.

Depth to Groundwater:	Ranking Score:
< 50 feet	20
50 - 99 feet	10
> 100 feet	0

If necessary, BJ Services will determine the proximity of drinking water sources by performing a search of water wells within a one mile radius of the facility. The search would provide information (as available) such as the distance from the site to each well, well depth, water quality data and the purpose of the well.

Wellhead Protection Area:	Ranking Score:
< 1000 feet from a water source, or; < 200 feet from a private domestic water source:	
Yes	20
No	0

The distance to nearby downgradient surface water bodies will be determined by review of a USGS topographic map for the area. Surface water bodies include rivers, creeks, ponds, lakes, irrigation canals and ditches. Site drainage patterns and off-site receptors of surface drainage will be determined by field observations and discussions with site personnel.

Distance to Surface Water Body:	Ranking Score:
< 200 horizontal feet	20
200 - 1000 feet	10
> 1000 feet	0

2.2 Preliminary Site Scoring

According to the OCD guidance documents, a total ranking score of >19 yields action levels as outlined in Table 1. Based on the groundwater ranking score of 20, the site will be remediated according to Table 1.

2.3 Soil Characterization

BJ Services will collect confirmation samples of the soil exposed following excavation activities by collecting discrete sidewall samples and floor composites for each distinct excavation area. These samples will be analyzed for BTEX, TPH, and total RCRA metals.

If contamination is present, vertical extent of contamination will be determined by field observations (staining) and headspace analysis for organic vapors by a photoionization or flame ionization device (PID or FID, respectively). Headspace analysis will be performed in accordance with the procedures outlined in the NMOCD guidance document.

If contamination is observed, soil samples will be visually classified as highly contaminated/saturated soils or unsaturated contaminated soils, according to the NMOCD guidance document. Highly contaminated/saturated soils contain observable free petroleum hydrocarbons or immiscible phases and gross staining. The immiscible phase may range from a free hydrocarbon to a sheen on any associated aqueous phase. Unsaturated contaminated soils are those that are not highly contaminated as described above, but contain measurable concentrations of contaminants.

A floor composite will also be collected for the former fuel island area. This sample will be analyzed for BTEX and TPH for comparison to the NMOCD action levels (Table 1).

All samples will be collected with decontaminated sampling equipment, placed in labeled jars, and shipped on ice overnight using chain of custody procedures to the off-site laboratory. Decontamination fluids (non-toxic degreasers and water) will be collected and deposited in the truck wash separator system.

All soil samples will use EPA's SW-846 methodology for each analyte specified by the NMOCD. Soil samples will be analyzed for Purgeable Aromatic Hydrocarbons (including BTEX) by Method 8020, Purgeable Halogenated Hydrocarbons by Method 8010, and Total Petroleum Hydrocarbons (TPH) by EPA's SW-846 Method 8015 modified for soil samples. Also, a floor composite sample from each area – one from the former acid dock area, and one from the former fuel island area – will be analyzed for total RCRA metals (TCLP analysis is not required, as the OCD will accept an approximation of 5% of total metals as the estimated TCLP level). The analytical results will be compared against the action levels in Table 1. Within the acid dock area, there are four distinct facilities that may require excavation (i.e., the drum storage area slab, the elevated concrete pad and ramp, the truck loading pad, and the elevated acid tank area). Composite floor samples will be collected from each of the areas excavated. One composite sample will be selected for RCRA metals analysis based on visual staining, if present, and the field measurement indicating the highest organic vapor reading.

2.4 Groundwater Quality

It is not anticipated that contamination will extend to a depth at which groundwater would be encountered. However, if groundwater is encountered, BJ Services will notify the NMOCD within 24 hours of such an occurrence. At that time, a plan of action will be developed and implemented.

2.5 Schedule of Activities

Closure activities are planned to commence in early July, 1997. As requested in the letter to BJ Services from Mr. Mark Ashley of the NMOCD (11/18/96), at least 72 hours notice shall be

provided to Mr. Ashley and to the local NMOCD office, prior to commencement of sampling operations.

3.0 SITE ASSESSMENT REPORT

The field procedures and analytical results for both the former acid dock area and the former fuel island area will be presented in a single site assessment report to the NMOCD within 30 days of receiving analytical results for samples collected during the removal of the former acid dock area and from the former fuel island area. The analytical results will be used in conjunction with the ranking score to verify final closure status according to the NMOCD closure guidance document. BJ Services will present the ranking score in the site assessment report and either request NMOCD confirmation of closure or, if necessary, propose further activities, such as additional investigation of groundwater or soil remediation.

Benzene concentrations in soil exceeding 10 mg/kg or total BTEX concentrations in soil exceeding 50 mg/kg or TPH concentration in soil exceeding 100 mg/kg may require additional investigation or remediation. In this case, BJ Services may propose alternate cleanup levels for OCD approval or propose no further action by conducting a risk-based evaluation of the site assessment data.

3.1 Cleanup Alternatives

If remediation is necessary, feasible cleanup alternatives will be presented in the site assessment report. Alternatives include excavation and off-site disposal, landfarming, or in-situ treatment such as vapor sparging or bioremediation. BJ Services will not commence remediation until the OCD has reviewed and approved the recommended cleanup alternative. A final closure report documenting closure activities and remediated soil contaminant concentrations will be prepared for OCD approval following any required site remediation.

DISTRIBUTION

Closure Plan
Former Acid Dock Area and
Former Fuel Island
Artesia, New Mexico
BJ Services Company, U.S.A.

June 30, 1997

1 copy to: New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Attention: Mr. Mark Ashley

1 copy to : BJ Services Company, U.S.A.
2401 Sivley
Artesia, New Mexico 88210

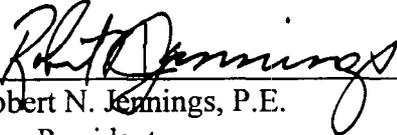
Attention: Mr. Mike Wiggins

1 copy to: BJ Services Company, U.S.A.
8701 New Trails Drive
The Woodlands, Texas 77381

Attention: Ms. Jo Ann Cobb

1 copy to: Brown and Caldwell
Project File

QUALITY CONTROL REVIEWER


Robert N. Jennings, P.E.
Vice President

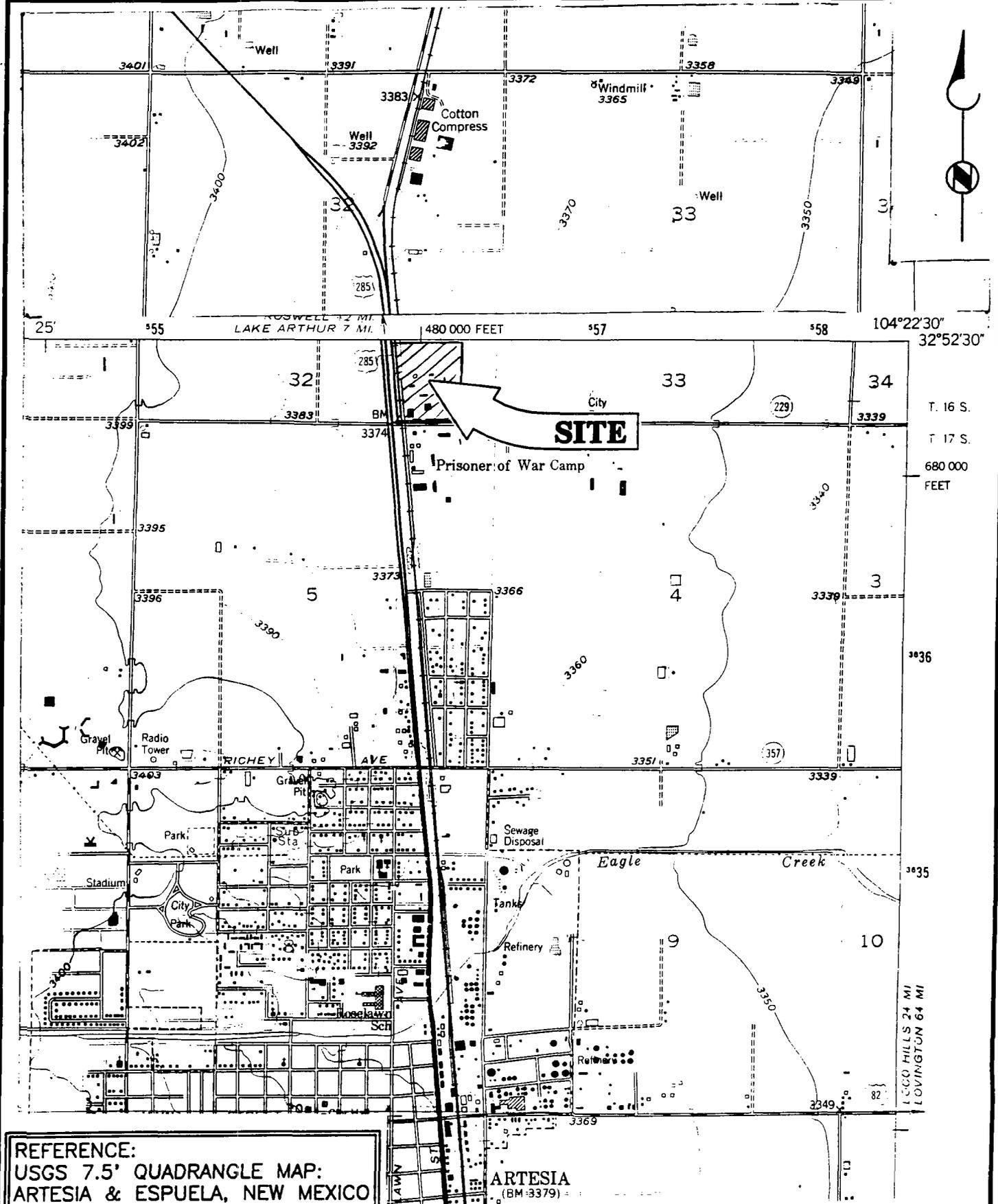
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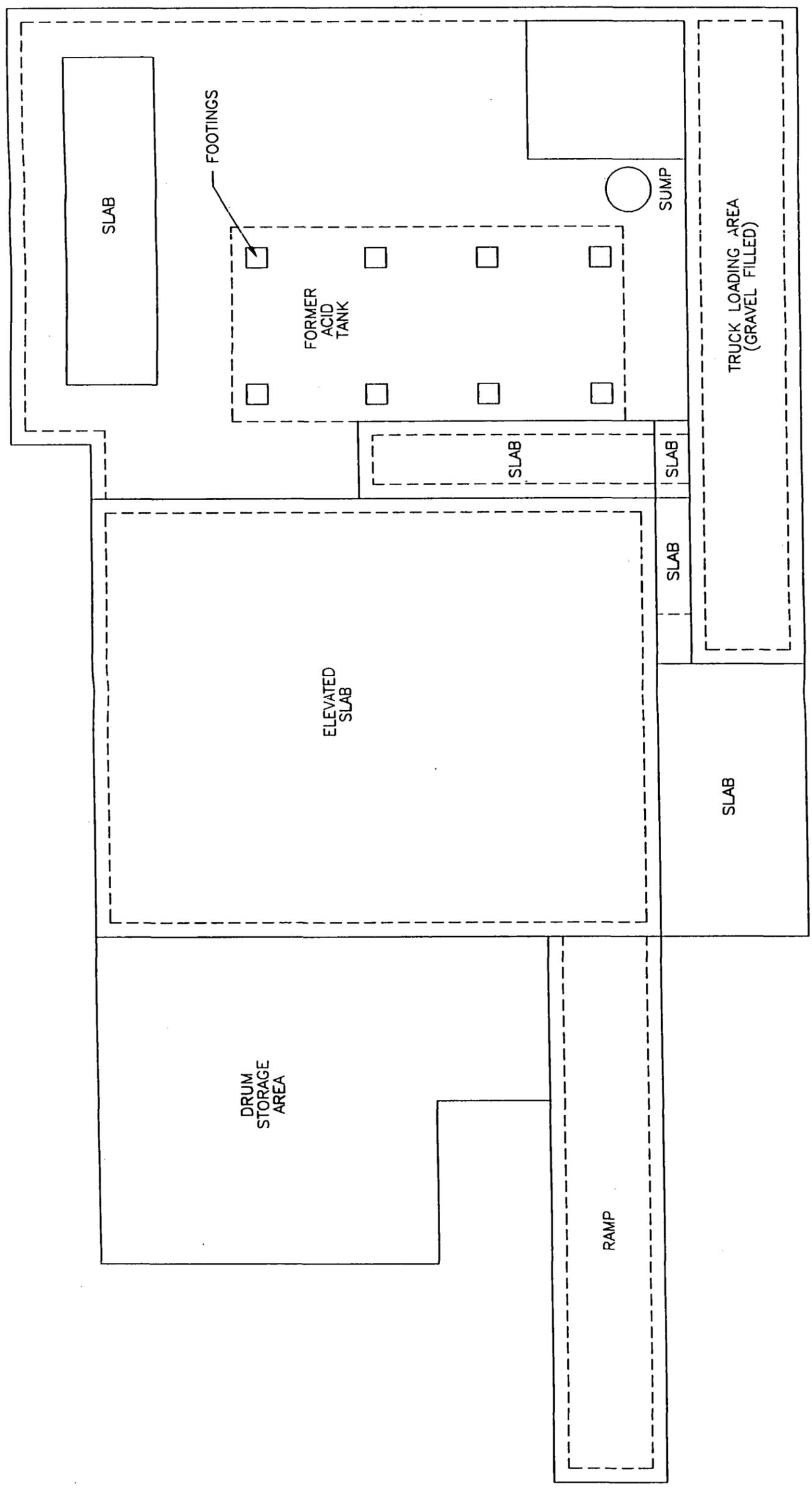
FIGURES



REFERENCE:
 USGS 7.5' QUADRANGLE MAP:
 ARTESIA & ESPUELA, NEW MEXICO

T:\2830\SMON 1/25/96 DHD

BROWN AND CALDWELL HOUSTON, TEXAS SUBMITTED: _____ DATE: _____ PROJECT MANAGER APPROVED: _____ DATE: _____ BROWN AND CALDWELL	0 1000 2000 SCALE: 1" = 2000' DRAWN BY: DHD DATE 1/25 CHKD BY: _____ DATE _____ APPROVED: _____ DATE _____	TITLE SITE LOCATION MAP	DATE 1/26/96
		CLIENT BJ SERVICES COMPANY, U.S.A.	PROJECT NUMBER 2830-20
		SITE LOCATION ARTESIA, NEW MEXICO	FIGURE NUMBER 1



BROWN AND CALDWELL
 HOUSTON, TEXAS
 SUBMITTED: _____ PROJECT MANAGER _____ DATE: _____
 APPROVED: _____ BROWN AND CALDWELL _____ DATE: _____

0 5 10
 SCALE: 1" = 10'
 DRAWN BY: JEB DATE: 2/27
 CHK'D BY: _____ DATE: _____
 APPROVED: _____ DATE: _____

LEGEND

TITLE	FORMER ACID DOCK AREA PLAN	DATE	05/30/97
CLIENT	BJ SERVICES U.S.A., INC.	PROJECT NUMBER	2988.09
SITE	ARTESIA, NM	FIGURE NUMBER	3

TABLES

Table 1
Soil Cleanup Goals
Artesia, New Mexico
BJ Services Company, U.S.A.

Contaminant	Regulatory Remediation Action Levels (mg/kg)
Benzene	*10
BTEX, Total	*50
TPH	*100
RCRA Metals	
:	
Arsenic	<5.0 (mg/L TCLP)
Barium	<100.0 (mg/L TCLP)
Cadmium	<1.0 (mg/L TCLP)
Chromium	<5.0 (mg/L TCLP)
Lead	<5.0 (mg/L TCLP)
Mercury	<0.2 (mg/L TCLP)
Selenium	<1.0 (mg/L TCLP)
Silver	<5.0 (mg/L TCLP)

* These limits based on a ranking score >19, and are outlined in the NMOCD guidance documents.

APPENDIX A

November 18, 1996 Letter from Mark Ashley of the NMOCD



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 18, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-873

Ms. Jo Ann Cobb
BJ Services Company, U.S.A.
8701 New Trails Drive
The Woodlands, Texas 77381

RECEIVED

NOV 21 1996

ENVIRONMENTAL

**RE: Discharge Plan GW-190
Artesia Facility
Eddy County, New Mexico**

Dear Ms. Cobb:

The New Mexico Oil Conservation Division (OCD) has completed a review of BJ Services' (BJ) September 13, 1996 discharge plan summary (GW-190) for the BJ facility in Artesia, New Mexico. This document contains BJ's work plan to remove the old truck wash bay facility, and the old acid loading facility. It also contains BJ's work plan to construct a new truck wash bay facility, a new acid loading facility, and upgrading the cement blending facility.

The above referenced work plans are approved with the following conditions:

1. BJ will sample the soils beneath the existing facilities for hazardous constituents. After removal of the existing facilities, soil samples will be collected from each of the sidewalls, and a composites from the floor of each excavation. If contamination exists, verticle extent will be determined, and the contaminated soils will be removed and disposed of at an OCD approved site.
2. The OCD will be notified 72 hours prior to all activities.
3. BJ will submit a report on each investigation to the OCD within 30 days of removal. The report will contain:

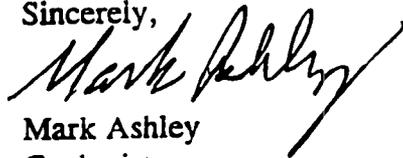
Ms. Jo Ann Cobb
November 18, 1996
Page 2

- A. A description of all activities which occurred during removal.
- B. A summary of all laboratory analytical results of soil samples.

Please be advised that OCD approval does not relieve BJ of liability if contamination exists which is beyond the scope of the work plan or if the activities fail to adequately determine the extent of contamination related to BJ's activities. In addition, OCD approval does not relieve BJ of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7155.

Sincerely,



Mark Ashley
Geologist

xc: OCD Artesia Office

APPENDIX B

**Unlined Surface Impoundment
Closure Guidelines, 2/93**

New Mexico Oil Conservation Division

UNLINED

SURFACE IMPOUNDMENT

CLOSURE

GUIDELINES

(FEBRUARY 1993)

New Mexico Oil Conservation Division
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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PREFACE

The following document does not require that currently operating or permitted unlined surface impoundments be closed. This document is to be used only as a guide when closing unlined surface impoundments used for the containment of exploration, production, processing and storage wastes regulated by the New Mexico Oil Conservation Division (OCD).

OCD requires submission and approval of plans and procedures for closure prior to the actual closure of any unlined surface impoundment. Procedures may deviate from the following guidelines if it can be shown that the proposed procedure will remove or isolate contaminants in such a manner that fresh waters, public health and the environment will not be impacted by remaining contaminants. Specific constituents and/or requirements for soil and ground water analysis and/or remediation may vary depending on site specific conditions.

If a number of unlined impoundments are to be closed by a single company, the company may submit one area-wide plan stating the specific location of each unlined impoundment to be closed, along with the procedures to be used during closure. Deviations from approved plans will require OCD notification and approval.

INTRODUCTION

These guidelines are intended to provide guidance for closure of unlined surface impoundments in a manner that assures protection of fresh waters, public health and the environment.

The New Mexico State Engineer has designated fresh waters as all surface waters and ground waters of the state containing 10,000 milligrams per liter or less of total dissolved solids (TDS) for which there is a present or reasonably foreseeable beneficial use. As stated in New Mexico Oil Conservation Commission (OCC) Order No. R-3221-D, "reasonably foreseeable" generally has been taken to mean a time period of not less than 200 years into the future. An unlined surface impoundment is defined as any unlined below grade feature which receives anything other than fresh water. The term "unlined surface impoundment" includes but is not limited to the following types of unlined features: produced water pits, dehydrator pits, blowdown pits, tank drain pits, pipeline drip collector pits, compressor scrubber pits, flare pits, and all other unlined pits which receive exploration, production and processing wastes regulated by the OCD. Excluded from this definition are pits constructed exclusively for drill cuttings and drilling fluids which are regulated under OCD Rule 105.

Prior to commencing closure of an unlined surface impoundment, a closure plan must be submitted to and approved by OCD. A closure plan may apply to more than one unlined impoundment. At a minimum, a closure plan should include the following elements:

1. The locations of all pits to be closed by township, range, section, unit letter and footages or other OCD approved methods.
2. The procedures which will be used to conduct the soil and ground water assessments and the circumstances under which an assessment of ground water will be conducted.
3. The procedures which will be used to manage, remediate, or dispose of contaminated soil and ground water.

I. SITE ASSESSMENT

Prior to final closure (Section VI), the party responsible for an unlined surface impoundment should perform an assessment to determine the extent to which soils and/or ground water may have been impacted by the operation of the impoundment. Assessment results will form the basis of any required remediation. The sites will be assessed for the severity of contamination and potential environmental and public health threats using a risk based ranking system.

The following characteristics must be determined in order to evaluate a sites potential risks, the need for remedial action and, if necessary, the level of cleanup required at the site:

A. GENERAL SITE CHARACTERISTICS

1. Depth To Ground Water

The operator should determine the depth to ground water at each site. The depth to ground water is defined as the vertical distance from the lowermost contaminants to the seasonal high water elevation of the ground water. If the exact depth to ground water is unknown, the ground water depth can be estimated using either local water well information, published regional ground water information, data on file with the New Mexico State Engineer Office or the vertical distance from adjacent ground water or surface water.

2. Wellhead Protection Area

The operator should determine the horizontal distance from all water sources and private, domestic water sources. A water source shall mean wells, springs or other sources of fresh water extraction. Private, domestic water sources shall mean those water sources used by less than five households for domestic or stock purposes.

3. Distance To Nearest Surface Water Body

The operator should determine the horizontal distance to all downgradient surface water bodies. Surface water bodies are defined as perennial rivers, streams, creeks, irrigation canals and ditches, lakes and ponds.

B. SOIL/WASTE CHARACTERISTICS

Soils/wastes within and beneath the unlined surface impoundment should be evaluated to determine the type and extent of contamination at the site. In order to assess the level of contamination at the unlined impoundment, observations should be made of the soils at the surface and a

sample of the potentially impacted soils should be taken from the interval at least 3 feet into the undisturbed native soils beneath the bottom of the pit. Samples should be obtained according to the sampling procedures in Sections III.A. and III.B. This may be accomplished using a backhoe, drill rig, hand auger, shovel or other means.

Initial assessment of soil contaminant levels is not required if an operator proposes to determine the final soil contaminant concentrations after a soil removal or remediation pursuant to section IV.A.

Varying degrees of contamination described below may co-exist at an individual site. The following sections describe the degrees of contamination that should be documented during the assessment of the level of soil contamination:

1. Highly Contaminated/Saturated Soils

Highly contaminated/saturated soils are defined as those soils which contain a free liquid hydrocarbon phase or exhibits gross hydrocarbon staining.

2. Unsaturated Contaminated Soils

Unsaturated contaminated soils are those soils which are not highly contaminated or saturated, as described above, but contain measurable concentrations of benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH). Sampling and analytical methods for determining contaminant concentrations are described in detail in Section III.A. and III.B.

(NOTE: The above definitions apply only to oilfield contaminated soils which are exempt from federal RCRA Subtitle C hazardous waste provisions. Unlined impoundments receiving non-exempt wastes are subject to evaluation for RCRA hazardous waste characteristics.)

C. GROUND WATER QUALITY

If ground water is encountered during the soil/waste characterization of the impacted soils, a sample should be obtained to assess potential impacts on ground water quality. Ground water samples should be obtained using the sampling procedures in Section III.C. If there is a reasonable probability of ground water contamination based upon the level of contaminants in the soils directly beneath the pit or the extent of soil contamination defined during remedial activities, monitor wells may be required to assess potential impacts on ground water and the extent of ground water contamination.

II. SOIL AND WATER REMEDIATION LEVELS

A. SOILS

1. Highly Contaminated/Saturated Soils

Highly contaminated/saturated soils should be remediated insitu or excavated to the maximum extent practicable and remediated using techniques described in Section IV.A.

2. Unsaturated Contaminated Soils

The general site characteristics obtained during the site assessment (Section I.A.) will be used to determine the appropriate soil remediation levels using a risk based approach. Soils which are contaminated by petroleum constituents will be scored according to the ranking criteria below to determine their relative threat to public health, fresh waters and the environment.

a. Ranking Criteria

<u>Depth To Ground Water</u>	<u>Ranking Score</u>
<50 feet	20
50 - 99	10
>100	0

Wellhead Protection Area

<1000 feet from a water source, or; <200 feet from private domestic water source	
Yes	20
No	0

Distance To Surface Water Body

<200 horizontal feet	20
200 - 1000 horizontal feet	10
>1000 horizontal feet	0

b. Recommended Remediation Level

The total ranking score determines the level of remediation that may be required at any given site. The total ranking score is the sum of all four individual ranking criteria listed in Section II.A.2.a. The table below lists the remediation level that may be required for the appropriate total ranking score.

(NOTE: The OCD retains the right to require remediation to more stringent levels than those proposed below if warranted by site specific conditions (ie. native soil type, location relative to population centers and future use of the site or other appropriate site specific conditions.)

	<u>Total Ranking Score</u>		
	<u>>19</u>	<u>10 - 19</u>	<u>0 - 9</u>
<u>Benzene(ppm) *</u>	10	10	10
<u>BTEX(ppm) *</u>	50	50	50
<u>TPH(ppm) **</u>	100	1000	5000

* A field soil vapor headspace measurement (Section III.B.1) of 100 ppm may be substituted for a laboratory analysis of the Benzene and BTEX concentration limits.

** The contaminant concentration for TPH is the concentration above background levels.

B. GROUND WATER

Contaminated ground water is fresh ground water which contains free phase products, measurable concentrations of dissolved phase volatile organic constituents or other dissolved constituents in excess of the natural background water quality. Ground water contaminated in excess of the New Mexico Water Quality Control Commission (WQCC) ground water standards or natural background water quality will require remediation.

III. SOIL AND WATER SAMPLING PROCEDURES

Below are the sampling procedures for soil and ground water contaminant investigations of unlined surface impoundments that have received RCRA Subtitle C exempt oil field exploration and

production wastes. Unlined surface impoundments that have received non-exempt RCRA wastes will be required to be tested to demonstrate that the wastes are not characteristically hazardous according to RCRA regulations.

A. HIGHLY CONTAMINATED OR SATURATED SOILS

The following method is used to determine if soils are highly contaminated or saturated:

1. Physical Observations

Study a representative sample of the soil for observable free petroleum hydrocarbons or immiscible phases and gross staining. The immiscible phase may range from a free hydrocarbon to a sheen on any associated aqueous phase. A soil exhibiting any of these characteristics is considered highly contaminated or saturated.

B. UNSATURATED CONTAMINATED SOILS

The following methods may be used for determining the magnitude of contamination in unsaturated soils:

1. Soil Sampling Procedures for Headspace Analysis

A headspace analysis may be used to determine the total volatile organic vapor concentrations in soils (ie. in lieu of a laboratory analysis for benzene and BTEX but not in lieu of a TPH analysis). Headspace analysis procedures should be conducted according to OCD approved industry standards or other OCD-approved procedures. Accepted OCD procedures are as follows:

- a) Fill a 0.5 liter or larger jar half full of sample and seal the top tightly with aluminum foil or fill a one quart zip-lock bag one-half full of sample and seal the top of the bag leaving the remainder of the bag filled with air.
- b) Ensure that the sample temperature is between 15 to 25 degrees Celsius (59-77 degrees Fahrenheit).
- c) Allow aromatic hydrocarbon vapors to develop within the headspace of the sample jar or bag for 5 to 10 minutes. During this period, the sample jar should be shaken vigorously for 1 minute or the contents of the bag should be gently massaged to break up soil clods.
- d) If using a jar, pierce the aluminum foil seal with the probe of either a PID or FID organic vapor meter (OVM), and then record the highest (peak) measurement. If using a bag, carefully open one end of the bag and insert the probe of the OVM into

the bag and re-seal the bag around the probe as much as possible to prevent vapors from escaping. Record the peak measurement. The OVM must be calibrated to assume a benzene response factor.

2. **Soil Sampling Procedures For Laboratory Analysis**

a. Sampling Procedures

Soil sampling for laboratory analysis should be conducted according to OCD approved industry standards or other OCD-approved procedures. Information on specific industry standards may be obtained from the OCD. Accepted OCD soil sampling procedures and laboratory analytical methods are as follows:

- i) Collect samples in clean, air-tight glass jars supplied by the laboratory which will conduct the analysis or from a reliable laboratory equipment supplier.
- ii) Label the samples with a unique code for each sample.
- iii) Cool and store samples with cold packs or on ice.
- iv) Promptly ship sample to the lab for analysis following chain of custody procedures.
- v) All samples must be analyzed within the holding times for the laboratory analytical method specified by EPA.

b. Analytical Methods

All soil samples must be analyzed using EPA methods, or by other OCD approved methods and must be analyzed within the holding time specified by the method. Below are laboratory analytical methods commonly accepted by OCD for analysis of soil samples analyzed for petroleum related constituents. Additional analyses may be required if the impoundment has been used for anything other than petroleum based fluids or produced water.

- i) Benzene, toluene, ethylbenzene and xylene
 - EPA Method 602/8020
- ii) Total Petroleum Hydrocarbons
 - EPA Method 418.1, or;
 - EPA Method Modified 8015

C. GROUND WATER SAMPLING

If an investigation of ground water quality is deemed necessary, it should be conducted according to OCD approved industry standards or other OCD-approved procedures. Information concerning specific industry standards may be obtained from the OCD. The following methods are standard accepted OCD methods which can be used to sample and analyze ground water at RCRA exempt sites (Note: The installation of monitor wells is not required if the OCD approves of an alternate ground water investigation or sampling technique):

1. Monitor Well Installation/Location

One monitor well should be installed adjacent to and hydrologically down-gradient from the unlined surface impoundment to determine if protectable fresh water has been impacted by the disposal activities. Additional monitor wells, located up-gradient and down-gradient of the impoundment, may be required to delineate the full extent of ground water contamination if ground water near the pit has been found to be contaminated.

2. Monitor Well Construction

a) Monitor well construction materials should be:

- i) selected according to industry standards;
- ii) chemically resistant to the contaminants to be monitored; and
- iii) able to be installed without the use of glues or adhesives.

b) Monitor wells should be constructed according to OCD approved industry standards to prevent migration of contaminants along the well casing, and with a minimum of five feet of well screen above the water table to accommodate seasonal fluctuations in the static water table.

3. Monitor Well Development

When ground water is collected for analysis from monitoring wells, the wells should be developed prior to sampling. The objective of monitor well development is to repair damage done to the formation by the drilling operation so that the natural hydraulic properties of the formation are restored and to remove any fluids introduced into the formation that could compromise the integrity of the sample. Monitoring well development is accomplished by purging fluid from the well until the pH and specific conductivity have stabilized and turbidity has been reduced to the greatest extent possible.

4. Sampling Procedures

Ground water should be sampled according to OCD accepted standards or other OCD approved methods. Samples should be collected in clean containers supplied by the laboratory which will conduct the analysis or from a reliable laboratory equipment supplier. Samples for different analyses require specific types of containers. The OCD or the laboratory can provide information on the types of containers required for sample collection. The following procedures are accepted by OCD as standard sampling procedures:

- a) Monitor wells should be purged of a minimum of three well volumes of ground water using a clean bailer prior to sampling to ensure that the sample represents the quality of the ground water in the formation and not stagnant water in the well bore.
- b) Collect samples in appropriate sample containers containing the appropriate preservative for the analysis required. No bubbles or headspace should remain in the sample container.
- c) Label the sample containers with a unique code for each sample.
- d) Cool and store samples with cold packs or on ice.
- e) Promptly ship sample to the lab for analysis following chain of custody procedures.
- f) All samples must be analyzed within the holding times for the laboratory analytical method specified by EPA.

5. Ground Water Laboratory Analysis

Samples should be analyzed for potential ground water contaminants contained in the waste stream, as defined by the New Mexico Water Quality Control Commission (WQCC). All ground water samples must be analyzed using EPA methods, or by other OCD approved methods and must be analyzed within the holding time specified by the method. Below are OCD accepted laboratory analytical methods for analysis of ground water samples analyzed for petroleum related constituents. Additional analyses may be required if the impoundment has been used for anything other than petroleum based fluids or produced water.

a. Analytical Methods

- i.) Benzene, Toluene, Ethylbenzene and Xylene

- EPA Method 602/8020

ii.) Major Cations and Anions

- Various EPA or standard methods

iii.) Heavy Metals

- EPA Method 6010, or;
- Various EPA 7000 series methods

iv.) Polynuclear Aromatic Hydrocarbons

- EPA Method 8100

IV. REMEDIATION

The following discussion summarizes alternatives for remediation of contaminated soil and ground water as defined in Section II.A. and II.B. All procedures used are to be approved by OCD prior to commencement of remediation activities. Separate OCD-approval for remediation is not required if OCD has approved a closure plan which includes the site remediation technique for a particular site. All procedures which deviate from the closure plan, however, must be approved by OCD prior to commencement of remediation activities.

In lieu of remediation, OCD may accept an evaluation of risk which demonstrates that the remaining contaminants will not pose a threat to present or foreseeable beneficial use of fresh waters, public health and the environment.

A. SOIL REMEDIATION

When RCRA exempt or RCRA nonhazardous petroleum contaminated soil requires remediation, it should be remediated and managed according to the criteria described below or by other OCD approved procedures which will remove, treat, or isolate contaminants in order to protect fresh waters, public health and the environment.

1. Contaminated Soils

Highly contaminated/saturated soils and unsaturated contaminated soils exceeding the standards described in Section II.A.2.b. should be either:

- a) Excavated from the ground until a representative sample from the walls and bottom of the excavation is below the contaminant specific remediation level listed in Section II.A.2.b or an alternate OCD approved remediation level, or;
- b) Excavated to the maximum depth and horizontal extent practicable. Upon reaching this limit a sample should be taken from the walls and bottom of

the excavation to determine the remaining levels of soil contaminants, or;

- c) Treated in place, as described in Section IV.A.2.b.ii. - Treatment of Soil in Place, until a representative sample is below the contaminant specific remediation level listed in Section II.A.2.b, or an alternate OCD approved remediation level, or;
- d) Managed according to an OCD-approved alternate method.

2. Soil Management Options

All soil management options must be submitted to and approved by OCD prior to commencement of remediation activities. The following is a list of options for either on-site treatment and off-site treatment and/or disposal of contaminated soils:

a. Disposal

Excavated soils may be disposed of at an off-site OCD-approved facility.

b. Soil Treatment and Remediation Techniques

i. Landfarming

Onetime applications of contaminated soils may be landfarmed on location by spreading the soil in an approximately six inch lift within a bermed area. Only soils which do not contain free liquids can be landfarmed. The soils should be disced regularly to enhance biodegradation of the contaminants. If necessary, upon approval by OCD, moisture and nutrients may be added to the soil to enhance aerobic biodegradation.

In some high risk areas an impermeable liner may be required to prevent leaching of contaminants into the underlying soil.

Landfarming sites that will receive soils from more than one location are considered centralized sites and must be approved separately by OCD prior to operation.

ii. Insitu Soil Treatment

Insitu treatment may be accomplished using vapor venting, bioremediation or other OCD approved treatment systems.

iii. Alternate Methods

The OCD encourages alternate methods of soil remediation including, but not limited to, active soil aeration, composting, bioremediation, solidification, and thermal treatment. Use of alternate methods must be approved by OCD prior to implementation.

B. GROUND WATER REMEDIATION

1. Remediation Requirements

Ground water remediation activities will be reviewed and approved by OCD on a case by case basis prior to commencement of remedial activities. When contaminated ground water exceeds WQCC ground water standards, it should be remediated according to the criteria described below.

a. Free Phase Contamination

Free phase floating product should be removed from ground water through the use of skimming devices, total-fluid type pumps, or other OCD-approved methods.

b. Dissolved Phase Contamination

Ground water contaminated with dissolved phase constituents in excess of WQCC ground water standards can be remediated by either removing and treating the ground water, or treating the ground water in place. If treated waters are to be disposed of onto or below the ground surface, a discharge plan must be submitted and approved by OCD.

c. Alternate Methods

The OCD encourages other methods of ground water remediation including, but not limited to, air sparging and bioremediation. Use of alternate methods must be approved by OCD prior to implementation.

V. TERMINATION OF REMEDIAL ACTION

Remedial action may be terminated when the criteria described below have been met:

A. SOIL

Contaminated soils requiring remediation should be remediated so that residual contaminant concentrations meet the recommended soil remediation level for a particular site as specified in Section II.A.2.b. Termination of remedial action will be approved by OCD upon a demonstration of completion of remediation as described above.

If soil action levels cannot practicably be attained, an evaluation of risk may be performed and provided to OCD for approval showing that the remaining contaminants will not pose a threat to present or foreseeable beneficial use of fresh water, public health and the environment.

B. GROUND WATER

A ground water remedial action may be terminated if all recoverable free phase product has been removed, and the concentration of the remaining dissolved phase contaminants in the ground water does not exceed New Mexico WQCC water quality standards or background levels. Termination of remedial action will be approved by OCD upon a demonstration of completion of remediation as described in above.

If the water quality standards cannot practicably be attained, an evaluation of risk may be performed and provided to OCD for approval showing that the remaining contaminants will not pose a threat to present or foreseeable beneficial use of fresh waters, human health and the environment.

VI. FINAL CLOSURE

Upon termination of any required soil remedial actions (Section V.) an unlined surface impoundment may be closed by backfilling, contouring to provide drainage away from the site and revegetating the site.

VII. CLOSURE REPORTS

Closure plans should provide a schedule for reporting the results of all closure activities.

District I
P.O. Box 1980, Hobbs, NM
District II
Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: _____ Telephone: _____

Address: _____

Facility Or: _____
Well Name _____

Location: Unit or Qtr/Qtr Sec _____ Sec _____ T _____ R _____ County _____

Pit Type: Separator _____ Dehydrator _____ Other _____

Land Type: BLM _____, State _____, Fee _____, Other _____

Location: Pit dimensions: length _____, width _____, depth _____
(Attach diagram)

Reference: wellhead _____, other _____

Footage from reference: _____

Direction from reference: _____ Degrees _____ East North _____
of
_____ West South _____

Depth To Ground Water: _____
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 Points)

Wellhead Protection Area: _____
(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes	(20 points)
No	(0 points)

Distance To Surface Water: _____
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet	(20 points)
200 feet to 1000 feet	(10 points)
Greater than 1000 feet	(0 points)

RANKING SCORE (TOTAL POINTS): _____

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Ground Water Encountered: No _____ Yes _____ Depth _____

Final Pit: _____
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample location _____
Sample depth _____
Sample date _____ Sample time _____

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

Ground Water Sample: Yes _____ No _____ (If yes, attach sample results)

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

DATE _____
SIGNATURE _____
PRINTED NAME _____
JOB TITLE _____

APPENDIX C

Analytical Reports and Chain-of-Custody Forms



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

SOUTHERN PETROLEUM LABORATORIES, INC.

Certificate of Analysis Number: 97-09-118

Approved for Release by:


Bernadette A. Fini, Project Manager

9-10-97
Date:

Greg Grandits
Laboratory Director

Idelis Williams
Quality Assurance Officer

The attached analytical data package may not be reproduced except in full without the express written approval of this laboratory.



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

CASE NARRATIVE

RESULTS SUMMARY

WORK ORDER NOs: 97-09-118

Southern Petroleum Laboratories (SPL) is pleased to present the results of laboratory analyses to Brown & Caldwell. Twenty-two soil samples for the BJ-Artesia, NM. site were received at our laboratory on September 4, 1997 intact at a temperature of 4 degrees Celsius. The following is a brief narrative of the quality control results.

- The samples were analyzed for constituents as noted on the Chain of Custody. There were no deviations from the required methods.
- Diesel Range Organics (DRO) by EPA method 8015 - QC batch HP_T970908082700: The Matrix Spike and Matrix Spike Duplicate recoveries were outside QC control limits. This batch is validated by the recovery of this compound in the Laboratory Control Sample.
- BTEX compounds by EPA method 8020 - QC batch VARD970906013700: The Matrix Spike Duplicate recoveries of Benzene were outside QC control limits.

All other QC parameters were within the defined control limits. If you have any questions, please feel free to call me at (713) 660-0901


Brett L. VanDelinder
Project Manager



****SUMMARY REPORT****

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

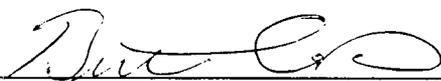
09/10/97

Company: Brown and Caldwell
Site: Artesia, New Mexico
Project No: 2988-09
Project: BJ-Artesia

ANALYTICAL DATA
NOTE: ND - Not Detected

SPL ID MATRIX	CLIENT ID DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZ.	XYLENE	TPH-IR	TPH-GC PQL	LEAD	MTBE
9709118-01 SOIL	STKPL-N-1 09/03/97 09:15:00						370 20.0mg/Kg	ND 0.1mg/L	
9709118-02 SOIL	A-FC-5 09/03/97 11:30:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		ND 4.0mg/Kg		
9709118-03 SOIL	A-SDWL-N-2 09/03/97 11:40:00	ND 5.0µg/Kg	ND 5.0µg/Kg	ND 5.0µg/Kg	ND 5.0µg/Kg		10 4.0mg/Kg		
9709118-04 SOIL	A-SDWL-E-3 09/03/97 11:50:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	1.2 1.0µg/Kg		ND 4.0mg/Kg		
9709118-05 SOIL	A-SDWL-S-4 09/03/97 11:55:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		ND 4.0mg/Kg		
9709118-06 SOIL	B-FC-11 09/03/97 12:05:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		49 20.0mg/Kg		
9709118-07 SOIL	B-SDWL-N-7 09/03/97 12:15:00	1.1 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	2.4 1.0µg/Kg		ND 4.0mg/Kg		
9709118-08 SOIL	B-SDWL-E-8 09/03/97 12:20:00	ND 5.0µg/Kg	ND 5.0µg/Kg	ND 5.0µg/Kg	110 5.0µg/Kg		8.0 4.0mg/Kg		
9709118-09 SOIL	B-SDWL-S-8 09/03/97 12:25:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		ND 4.0mg/Kg		
9709118-10 SOIL	C-FC-16 09/03/97 12:35:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	3.5 1.0µg/Kg		6.0 4.0mg/Kg		

BTEX - Method 8020A ***
TPH-GC - Modified 8015A***
LEAD - Method 6010A ***


SPL, Inc., - Project Manager



09/10/97

Company: Brown and Caldwell
Site: Artesia, New Mexico
Project No: 2988-09
Project: BJ-Artesia

ANALYTICAL DATA
NOTE: ND - Not Detected

SPL ID MATRIX	CLIENT ID DATE SAMPLED	BENZENE PQL	TOLUENE PQL	ETHYLBENZ. PQL	XYLENE PQL	TPH-IR	TPH-GC PQL	LEAD	MTBE
9709118-11 SOIL	C-SDWL-N-13 09/03/97 12:45:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		ND 4.0mg/Kg		
9709118-12 SOIL	C-SDWL-E-14 09/03/97 12:50:00	ND 1.0µg/Kg	1.5 1.0µg/Kg	ND 1.0µg/Kg	13 1.0µg/Kg		ND 4.0mg/Kg		
9709118-13 SOIL	C-SDWL-S-9 09/03/97 12:55:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		ND 4.0mg/Kg		
9709118-14 SOIL	D-FC-13 09/03/97 13:05:00	ND 1.0µg/Kg	ND 1.0µg/Kg	1.5 1.0µg/Kg	14 1.0µg/Kg		13 4.0mg/Kg		
9709118-15 SOIL	D-SDWL-W-9 09/03/97 13:15:00	270 10µg/Kg	ND 10µg/Kg	36 10µg/Kg	56 10µg/Kg		950 20.0mg/Kg		
9709118-16 SOIL	D-SDWL-S-8 09/03/97 13:20:00	ND 1.0µg/Kg	2.1 1.0µg/Kg	ND 1.0µg/Kg	5.2 1.0µg/Kg		ND 4.0mg/Kg		
9709118-17 SOIL	E-SDWL-E-8 09/03/97 13:30:00	ND 10µg/Kg	ND 10µg/Kg	ND 10µg/Kg	ND 10µg/Kg		5.4 4.0mg/Kg		
9709118-18 SOIL	E-SDWL-S-7 09/03/97 13:40:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		5.2 4.0mg/Kg		
9709118-19 SOIL	F-SDWL-N-6 09/03/97 13:45:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		5.3 4.0mg/Kg		
9709118-20 SOIL	F-SDWL-S-6 09/03/97 13:50:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		5.6 4.0mg/Kg		

BTEX - Method 8020A ***
TPH-GC - Modified 8015A***


SPL, Inc., - Project Manager



09/10/97

Company: Brown and Caldwell
Site: Artesia, New Mexico
Project No: 2988-09
Project: BJ-Artesia

ANALYTICAL DATA
NOTE: ND - Not Detected

SPL ID MATRIX	CLIENT ID DATE SAMPLED	BENZENE PQL	TOLUENE PQL	ETHYLBENZ. PQL	XYLENE PQL	TPH-IR	TPH-GC PQL	LEAD	MTBE
9709118-21 SOIL	F-FC-7 09/03/97 14:00:00	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg	ND 1.0µg/Kg		6.8 4.0mg/Kg		
9709118-22 SOIL	STKPL-S 09/03/97 14:15:00	ND 5.0µg/Kg	ND 5.0µg/Kg	ND 5.0µg/Kg	ND 5.0µg/Kg		9.9 4.0mg/Kg		
9709118-23 SOIL	Trip Blank 09/03/97	ND 1.0µg/L	ND 1.0µg/L	ND 1.0µg/L	ND 1.0µg/L				

BTEX - Method 8020A ***
TPH-GC - Modified 8015A***



SPL, Inc., - Project Manager



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Petroleum Hydrocarbons-Diesel	370	20.0 P	mg/Kg
Surrogate n-Pentacosane Modified 8015A*** Analyzed by: RR Date: 09/08/97 09:07:00	% Recovery		
	24		
Silver, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.02	mg/L
Arsenic, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.2	mg/L
Barium, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	1	mg/L
Cadmium, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.02	mg/L

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
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Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Chromium, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.02	mg/L
Mercury, TCLP Leachate Method 7470 A*** Analyzed by: AG Date: 09/05/97	ND	0.0002	mg/L
Acid Digestion of TCLP Leachate, ICP Method 3010A *** Analyzed by: MM Date: 09/05/97	09/05/97		
Lead, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.1	mg/L
TCLP Leachate Extraction Method 1311 *** Analyzed by: WLR Date: 09/04/97	09/04/97		
TCLP Leachate Extraction Method 1311 *** Analyzed by: WLR Date: 09/04/97	09/04/97		

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Zero Headspace extraction Method 1311 Analyzed by: WLR Date: 09/04/97	09/04/97		
Selenium, TCLP Leachate Method 6010A *** Analyzed by: PS Date: 09/08/97	ND	0.2	mg/L
Cyanide-Reactive Method 7.3.3.2 *** Analyzed by: BEN Date: 09/04/97	ND	10	mg/kg
Flash and Fire Point- C.O.C. Method ASTM D92-85 Analyzed by: TB Date: 09/05/97	>210		°F
Soil pH Measured in Water Method 9045C *** Analyzed by: EM Date: 09/08/97	7.94		pH UNITS
Sulfide-Reactive Method 7.3.4.2 *** Analyzed by: BEN Date: 09/04/97	ND	100	mg/kg

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Sonication Extraction Method 3550A *** Analyzed by: DL Date: 09/05/97 07:00:00	09/05/97			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: LEACHATE
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS	RL ▲
ortho-Cresol	ND	50	ug/L	200000
meta, para-Cresols	ND	100	ug/L	200000
1,4-Dichlorobenzene	ND	50	ug/L	7500
2,4-Dinitrotoluene	ND	50	ug/L	130
Hexachlorobenzene	ND	50	ug/L	130
Hexachlorobutadiene	ND	50	ug/L	500
Hexachloroethane	ND	50	ug/L	3000
Nitrobenzene	ND	50	ug/L	2000
Pentachlorophenol	ND	250	ug/L	100000
Pyridine	ND	50	ug/L	5000
2,4,5-Trichlorophenol	ND	100	ug/L	400000
2,4,6-Trichlorophenol	ND	50	ug/L	2000

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Nitrobenzene-d5	50 ug/L	88	35	114
2-Fluorobiphenyl	50 ug/L	93	43	116
Terphenyl-d14	50 ug/L	99	33	141
Phenol-d5	75 ug/L	65	10	110
2-Fluorophenol	75 ug/L	68	21	110
2,4,6-Tribromophenol	75 ug/L	96	10	123

ANALYZED BY: LH DATE/TIME: 09/05/97 19:01:00

LEACHATE EXTRACTION BY: PC DATE/TIME: 09/05/97 11:00:00

METHOD: 1311/8270, TCLP Semivolatiles

NOTES: * - Practical Quantitation Limit ND - Not Detected

NA - Not Analyzed

▲ - Regulatory Limit. Reference Federal Register 55, 11862 (3/29/90), RCRA Toxicity Characteristic Final Rule.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24 that resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-N-1

PROJECT NO: 2988-09
 MATRIX: LEACHATE
 DATE SAMPLED: 09/03/97 09:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS	RL ▲
Benzene	ND	50	ug/L	500
2-Butanone	ND	200	ug/L	200000
Carbon Tetrachloride	ND	50	ug/L	500
Chlorobenzene	ND	50	ug/L	100000
Chloroform	ND	50	ug/L	6000
1,2-Dichloroethane	ND	50	ug/L	500
1,1-Dichloroethene	ND	50	ug/L	700
Tetrachloroethene	ND	50	ug/L	700
Trichloroethene	ND	50	ug/L	500
Vinyl Chloride	ND	100	ug/L	200

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
4-Bromofluorobenzene	50 ug/L	96	86	115
1,2-Dichloroethane-d4	50 ug/L	98	76	114
Toluene-d8	50 ug/L	110	88	110

ANALYZED BY: GT DATE/TIME: 09/05/97 14:21:00
 LEACHATE PREP(ZHE) BY: WLR DATE/TIME: 09/04/97
 METHOD: 1311/8240, TCLP Volatiles
 NOTES: * - Practical Quantitation Limit ND - Not Detected
 NA - Not Analyzed
 ▲ - Regulatory Limit. Reference Federal Register 55, 11862
 (3/29/90), RCRA Toxicity Characteristic Final Rule.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24
 that resemble a diesel pattern.(c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance
 with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-02

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: A-FC-5

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 11:30:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 100
 4-Bromofluorobenzene 103
 Method 8020A ***
 Analyzed by: MF
 Date: 09/09/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 88
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 10:27:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-03

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: A-SDWL-N-2

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 11:40:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	5.0 P	µg/Kg
TOLUENE	ND	5.0 P	µg/Kg
ETHYLBENZENE	ND	5.0 P	µg/Kg
TOTAL XYLENE	ND	5.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 100
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: HS
 Date: 09/08/97

Total Petroleum Hydrocarbons-Diesel 10 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 86
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 09:48:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-04

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: A-SDWL-E-3

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 11:50:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	1.2	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	1.2		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 93
 Method 8020A ***
 Analyzed by: SB
 Date: 09/05/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 84
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 12:23:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-07

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: B-SDWL-N-7

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	1.1	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	2.4	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	3.5		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 97
 Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 86
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 02:20:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-08

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: B-SDWL-E-8

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:20:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	5.0 P	µg/Kg
TOLUENE	ND	5.0 P	µg/Kg
ETHYLBENZENE	ND	5.0 P	µg/Kg
TOTAL XYLENE	110	5.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	110		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 100
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel 8.0 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 80
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 10:05:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-09

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: B-SDWL-S-8

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:25:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 97
 Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 82
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 03:38:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-10

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: C-FC-16

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:35:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	3.5	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	3.5		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

97

4-Bromofluorobenzene

100

Method 8020A ***

Analyzed by: SB

Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel

6.0

4.0 P

mg/Kg

Surrogate

% Recovery

n-Pentacosane

86

Modified 8015A***

Analyzed by: RR

Date: 09/09/97 04:16:00

Sonication Extraction

09/05/97

Method 3550A ***

Analyzed by: DL

Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24
 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance
 with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-11

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: C-SDWL-N-13

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:45:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate	% Recovery
1,4-Difluorobenzene	93
4-Bromofluorobenzene	97
Method 8020A ***	
Analyzed by: SB	
Date: 09/06/97	

Total Petroleum Hydrocarbons-Diesel	ND	4.0 P	mg/Kg
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Surrogate	% Recovery
n-Pentacosane	84
Modified 8015A***	
Analyzed by: RR	
Date: 09/09/97 04:55:00	

Sonication Extraction	09/05/97
Method 3550A ***	
Analyzed by: DL	
Date: 09/05/97 07:00:00	

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-12

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: C-SDWL-E-14

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:50:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	1.5	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	13	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	14.5		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 93
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 84
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 05:34:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-13

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: C-SDWL-S-9

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:55:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 97
 Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel ND 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 82
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 06:12:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-14

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: D-FC-13

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 13:05:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	1.5	1.0 P	µg/Kg
TOTAL XYLENE	14	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	15.5		µg/Kg

Surrogate	% Recovery
1,4-Difluorobenzene	100
4-Bromofluorobenzene	100

Method 8020A ***
 Analyzed by: SB
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel	13	4.0 P	mg/Kg
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Surrogate	% Recovery
n-Pentacosane	68

Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 10:05:00

Sonication Extraction	09/05/97
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Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c24 that do not resemble a diesel pattern.(c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-16

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: D-SDWL-S-8

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 13:20:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	2.1	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	5.2	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	7.3		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene
 4-Bromofluorobenzene

100
 97

Method 8020A ***

Analyzed by: SB

Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel

ND 4.0 P

mg/Kg

Surrogate

% Recovery

n-Pentacosane

82

Modified 8015A***

Analyzed by: RR

Date: 09/09/97 08:09:00

Sonication Extraction

09/05/97

Method 3550A ***

Analyzed by: DL

Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-17

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: E-SDWL-E-8

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 13:30:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	10 P	µg/Kg
TOLUENE	ND	10 P	µg/Kg
ETHYLBENZENE	ND	10 P	µg/Kg
TOTAL XYLENE	ND	10 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: HS
 Date: 09/07/97

Total Petroleum Hydrocarbons-Diesel 5.4 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 80
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 01:41:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c12 that do not resemble a diesel pattern.(c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-18

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: E-SDWL-S-7

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 13:40:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 100
 4-Bromofluorobenzene 97
 Method 8020A ***
 Analyzed by: HS
 Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel 5.2 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 74
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 02:20:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c12 that do not resemble a diesel pattern.(c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-19

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: F-SDWL-N-6

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 13:45:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

100

Method 8020A ***

Analyzed by: HS

Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel

5.3

4.0 P

mg/Kg

Surrogate

% Recovery

n-Pentacosane

76

Modified 8015A***

Analyzed by: RR

Date: 09/09/97 02:59:00

Sonication Extraction

09/05/97

Method 3550A ***

Analyzed by: DL

Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c12 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-20

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
SITE: Artesia, New Mexico
SAMPLED BY: Brown & Caldwell
SAMPLE ID: F-SDWL-S-6

PROJECT NO: 2988-09
MATRIX: SOIL
DATE SAMPLED: 09/03/97 13:50:00
DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/Kg
TOLUENE	ND	1.0 P	µg/Kg
ETHYLBENZENE	ND	1.0 P	µg/Kg
TOTAL XYLENE	ND	1.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

93

4-Bromofluorobenzene

90

Method 8020A ***

Analyzed by: HS

Date: 09/06/97

Total Petroleum Hydrocarbons-Diesel

5.6

4.0 P

mg/Kg

Surrogate

% Recovery

n-Pentacosane

78

Modified 8015A***

Analyzed by: RR

Date: 09/09/97 03:38:00

Sonication Extraction

09/05/97

Method 3550A ***

Analyzed by: DL

Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c12 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-21

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: F-FC-7

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 14:00:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	10 P	µg/Kg
TOLUENE	ND	10 P	µg/Kg
ETHYLBENZENE	ND	10 P	µg/Kg
TOTAL XYLENE	ND	10 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 97
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: HS
 Date: 09/07/97

Total Petroleum Hydrocarbons-Diesel 6.8 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 80
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 04:16:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c10-c12 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-22

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: STKPL-S

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 14:15:00
 DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	5.0 P	µg/Kg
TOLUENE	ND	5.0 P	µg/Kg
ETHYLBENZENE	ND	5.0 P	µg/Kg
TOTAL XYLENE	ND	5.0 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg

Surrogate % Recovery
 1,4-Difluorobenzene 100
 4-Bromofluorobenzene 100
 Method 8020A ***
 Analyzed by: MF
 Date: 09/09/97

Total Petroleum Hydrocarbons-Diesel 9.9 4.0 P mg/Kg

Surrogate % Recovery
 n-Pentacosane 84
 Modified 8015A***
 Analyzed by: RR
 Date: 09/09/97 04:55:00

Sonication Extraction 09/05/97
 Method 3550A ***
 Analyzed by: DL
 Date: 09/05/97 07:00:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from c16-c24 that do not resemble a diesel pattern. (c10-c24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Certificate of Analysis No. H9-9709118-23

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Tim Jenkins

DATE: 09/10/97

PROJECT: BJ-Artesia
SITE: Artesia, New Mexico
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 2988-09
MATRIX: SOIL
DATE SAMPLED: 09/03/97
DATE RECEIVED: 09/04/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1.0 P	µg/L
TOLUENE	ND	1.0 P	µg/L
ETHYLBENZENE	ND	1.0 P	µg/L
TOTAL XYLENE	ND	1.0 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L

Surrogate	% Recovery
1,4-Difluorobenzene	103
4-Bromofluorobenzene	63

Method 8020A ***
Analyzed by: fab
Date: 09/05/97

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

QUALITY CONTROL

DOCUMENTATION

SPL Labs

RECOVERY REPORT

Client Name: Client SDG: m970905
 Sample Matrix: SOIL Fraction: VOA
 Lab Smp Id: 9709118-01A
 Level: LOW Operator: GT
 Data Type: MS DATA SampleType: METHSPIKE
 SpikeList File: tclp.spk Quant Type: ISTD
 Method File: /chem1/m.i/m970905.b/m8260awQ.m
 Misc Info: M248W1/M248S01/M248CW1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
22 Benzene	500	590	117.78	50-150
14 2-Butanone	500	490	98.21	35-150
23 Carbon Tetrachlori	500	420	83.19	50-150
39 Chlorobenzene	500	500	99.67	50-150
18 Chloroform	500	490	98.31	50-150
21 1,2-Dichloroethane	500	490	98.50	50-150
7 1,1-Dichloroethene	500	520	104.33	50-150
37 Tetrachloroethene	500	500	100.93	50-150
26 Trichloroethene	500	540	107.24	50-150
2 Vinyl Chloride	500	590	117.60	50-150

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 47 Bromofluorobenzene	50	50	99.24	86-115
\$ 19 1,2-Dichloroethane	50	54	108.37	76-114
\$ 32 Toluene-d8	50	54	109.01	88-110

SPL Labs

RECOVERY REPORT

Client Name: Client SDG: m970905
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: LCS Operator: GT
 Level: LOW SampleType: METHSPIKE
 Data Type: MS DATA Quant Type: ISTD
 SpikeList File: 8240water.spk
 Method File: /chem1/m.i/m970905.b/m8260awQ.m
 Misc Info: M248W1//M248CW1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
7 1,1-Dichloroethene	50	42	83.76	61-145
26 Trichloroethene	50	46	93.04	71-120
22 Benzene	50	54	107.62	76-127
33 Toluene	50	51	102.08	76-125
39 Chlorobenzene	50	47	94.25	75-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 19 1,2-Dichloroethane	50	49	98.09	76-114
\$ 32 Toluene-d8	50	54	107.94	88-110
\$ 47 Bromofluorobenzene	50	48	95.39	86-115



SPL Blank QC Report

Matrix: Aqueous
Sample ID: BLANK
Batch: M970905113701

Reported on: 09/08/97 13:42
Analyzed on: 09/05/97 13:35
Analyst: GT

METHOD 8260/8240 M248B01

Compound	Result	Detection Limit	Units
Vinyl Chloride	ND	10	ug/L
1,1-Dichloroethene	ND	5	ug/L
2-Butanone	ND	20	ug/L
Chloroform	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L

Surrogate	Result	QC Criteria	Units
1,2-Dichloroethane-d4	96	76-114	% Recovery
Toluene-d8	108	88-110	% Recovery
Bromofluorobenzene	90	86-115	% Recovery

Samples in Batch 9709118-01

Notes

ND - Not detected.



SPL Blank QC Report

Matrix: Leachate
Sample ID: TCLPB0904
Batch: M970905113701

Reported on: 09/08/97 13:42
Analyzed on: 09/05/97 13:58
Analyst: GT

METHOD 8260

Compound	Result	Detection Limit	Units
Benzene	ND	5	ug/L
2-Butanone	ND	20	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroform	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Vinyl Chloride	ND	10	ug/L

Surrogate	Result	QC Criteria	Units
Bromofluorobenzene	94	86-115	% Recovery
1,2-Dichloroethane-d4	98	76-114	% Recovery
Toluene-d8	107	88-110	% Recovery

Samples in Batch 9709118-01

Notes

ND - Not detected.

SPL Houston Labs

RECOVERY REPORT

Client Name: Client SDG: h970904
 Sample Matrix: LIQUID Fraction: SV
 Lab Smp Id: 9708C68-02BMS-TCLPS
 Level: LOW Operator: LH
 Data Type: MS DATA SampleType: MS
 SpikeList File: tclp.spk Quant Type: ISTD
 Method File: /chem/h.i/h970904.b/h8270wQ.m
 Misc Info: E246F2/H247S06/H247CC1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
17 ortho-Cresol	750	530	71.07	10-120
20 meta,para-Cresol	1500	1200	78.90	10-120
12 1,4-Dichlorobenzen	500	360	71.23	20-124
53 2,4-Dinitrotoluene	500	480	96.59	39-139
63 Hexachlorobenzene	500	260	53.13	0-152
35 Hexachlorobutadien	500	400	80.18	24-116
22 Hexachloroethane	500	360	72.08	40-113
24 Nitrobenzene	500	390	78.83	35-180
64 Pentachlorophenol	750	800	107.01	14-176
2 Pyridine	500	180	36.34	0-150
40 2,4,5-Trichlorophe	750	690	92.01	30-140
39 2,4,6-Trichlorophe	750	720	95.94	37-144

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 Nitrobenzene-d5	50	39	77.73	35-114
\$ 41 2-Fluorobiphenyl	50	42	84.13	43-116
\$ 72 Terphenyl-d14	50	43	86.27	33-141
\$ 4 Phenol-d5	75	48	63.49	10-110
\$ 3 2-Fluorophenol	75	46	61.69	21-110
\$ 61 2,4,6-Tribromophen	75	74	98.61	10-123

SPL Houston Labs

RECOVERY REPORT

Client Name: Client SDG: h970904
 Sample Matrix: LIQUID Fraction: SV
 Lab Smp Id: LCS
 Level: LOW Operator: LH
 Data Type: MS DATA SampleType: MS
 SpikeList File: tclp.spk Quant Type: ISTD
 Method File: /chem/h.i/h970904.b/h8270wQ.m
 Misc Info: E246F2/H246B03/H247CC1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
17 ortho-Cresol	75	50	67.44	10-120
20 meta,para-Cresol	150	100	68.05	10-120
12 1,4-Dichlorobenzen	50	34	68.84	20-124
53 2,4-Dinitrotoluene	50	47	94.78	39-139
63 Hexachlorobenzene	50	26	53.06	0-152
35 Hexachlorobutadien	50	39	77.66	24-116
22 Hexachloroethane	50	34	67.76	40-113
24 Nitrobenzene	50	39	78.63	35-180
64 Pentachlorophenol	75	59	78.93	14-176
2 Pyridine	50	16	32.28	0-150
40 2,4,5-Trichlorophe	75	57	76.28	30-140
39 2,4,6-Trichlorophe	75	66	88.51	37-144

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 Nitrobenzene-d5	50	38	77.05	35-114
\$ 41 2-Fluorobiphenyl	50	42	83.89	43-116
\$ 72 Terphenyl-d14	50	47	94.75	33-141
\$ 4 Phenol-d5	75	28	36.70	10-110
\$ 3 2-Fluorophenol	75	35	46.44	21-110
\$ 61 2,4,6-Tribromophen	75	65	86.33	10-123



SPL Blank QC Report

Matrix: Aqueous
Sample ID: BLANK
Batch: E970905042249

Reported on: 09/08/97 13:47
Analyzed on: 09/05/97 17:30
Analyst: LH

METHOD 8270 BLANK H248B03

Compound	Result	Detection Limit	Units
ortho-Cresol	ND	50	ug/L
meta,para-Cresol	ND	100	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
2,4-Dinitrotoluene	ND	50	ug/L
Hexachlorobenzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
Hexachloroethane	ND	50	ug/L
Nitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	250	ug/L
Pyridine	ND	50	ug/L
2,4,5-Trichlorophenol	ND	100	ug/L
2,4,6-Trichlorophenol	ND	50	ug/L

Surrogate	Result	QC Criteria	Units
Nitrobenzene-d5	79	35-114	% Recovery
2-Fluorobiphenyl	84	43-116	% Recovery
Terphenyl-d14	104	33-141	% Recovery
Phenol-d5	30	10-110	% Recovery
2-Fluorophenol	42	21-110	% Recovery
2,4,6-Tribromophenol	92	10-123	% Recovery

Samples in Batch 9709118-01

Notes

ND - Not detected.



SPL Blank QC Report

Matrix: Leachate
Sample ID: BLANK
Batch: E970905042249

Reported on: 09/08/97 13:47
Analyzed on: 09/05/97 18:30
Analyst: LH

METHOD 8270

Compound	Result	Detection Limit	Units
ortho-Cresol	ND	50	ug/L
meta,para-Cresol	ND	100	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
2,4-Dinitrotoluene	ND	50	ug/L
Hexachlorobenzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
Hexachloroethane	ND	50	ug/L
Nitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	250	ug/L
Pyridine	ND	50	ug/L
2,4,5-Trichlorophenol	ND	100	ug/L
2,4,6-Trichlorophenol	ND	50	ug/L

Surrogate	Result	QC Criteria	Units
Nitrobenzene-d5	89	35-114	% Recovery
2-Fluorobiphenyl	93	43-116	% Recovery
Terphenyl-d14	93	33-141	% Recovery
Phenol-d5	64	10-110	% Recovery
2-Fluorophenol	69	21-110	% Recovery
2,4,6-Tribromophenol	87	10-123	% Recovery

Samples in Batch 9709118-01

Notes

ND - Not detected.



** SPL BATCH QUALITY CONTROL REPORT **
Mod. 8015 - Diesel

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: mg/Kg

Batch Id: HP_T970908082700

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Diesel	ND	166	150	90.4	82 - 128

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			DIESEL	370	166	390	12.0 *	400	18.1 *

Analyst: RR

Sequence Date: 09/08/97

SPL ID of sample spiked: 9709118-01C

Sample File ID: T_I7003.TX0

Method Blank File ID:

Blank Spike File ID: T_I7002.TX0

Matrix Spike File ID: T_I7004.TX0

Matrix Spike Duplicate File ID: T_I7005.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $| (<4> - <5>) | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source: SPL-Houston Historical Data (3rd Q '95)

(***) = Source: SPL-Houston Historical Data (1st Q '94)

SAMPLES IN BATCH(SPL ID):

9709118-17B 9709118-01C 9709118-04B 9709118-05B
 9709118-06B 9709118-07B 9709118-09B 9709118-10B
 9709118-11B 9709118-18B 9709118-12B 9709118-13B
 9709118-15B 9709118-16B 9709118-08B 9709118-03B
 9709118-02B 9709118-19B 9709118-20B 9709118-21B
 9709118-22B 9709118-14B



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD970909091600

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Benzene	ND	100	90	90.0	66 - 123
Toluene	ND	100	90	90.0	74 - 125
EthylBenzene	ND	100	90	90.0	84 - 125
O Xylene	ND	100	90	90.0	76 - 137
M & P Xylene	ND	200	180	90.0	81 - 131

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			BENZENE	ND	100.0	96		96.0	100
TOLUENE	36	100.0	120	84.0	120	84.0	0	35	46 - 148
ETHYLBENZENE	ND	100.0	86	86.0	90	90.0	4.55	40	32 - 151
O XYLENE	2.5	100.0	81	78.5	84	81.5	3.75	24	35 - 143
M & P XYLENE	1.7	200.0	170	84.2	180	89.2	5.77	38	25 - 139

Analyst: MF

Sequence Date: 09/09/97

SPL ID of sample spiked: 9709079-07A

Sample File ID: D_I7255.TX0

Method Blank File ID:

Blank Spike File ID: D_I7258.TX0

Matrix Spike File ID: D_I7252.TX0

Matrix Spike Duplicate File ID: D_I7253.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $\frac{(\langle 1 \rangle - \langle 2 \rangle)}{\langle 3 \rangle} \times 100$

LCS % Recovery = $\frac{(\langle 1 \rangle)}{\langle 3 \rangle} \times 100$

Relative Percent Difference = $\frac{(|\langle 4 \rangle - \langle 5 \rangle|)}{[(\langle 4 \rangle + \langle 5 \rangle) \times 0.5]} \times 100$

(**) = Source: SPL-Houston Historical Data (4th Q '95)

(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9709079-01A 9709079-04A 9709079-05A 9709079-02A
9709079-03A 9709079-06A 9709118-02A 9709118-22A
9709079-07A 9709069-06A 9708C76-03A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD970908001010

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Benzene	ND	50	41	82.0	66 - 123
Toluene	ND	50	41	82.0	74 - 125
EthylBenzene	ND	50	43	86.0	84 - 125
O Xylene	ND	50	43	86.0	76 - 137
M & P Xylene	ND	100	86	86.0	81 - 131

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
BENZENE	ND	20.0	15	75.0	16.5	82.5	9.52	33	47 - 143
TOLUENE	ND	20.0	15	75.0	16.6	83.0	10.1	35	46 - 148
ETHYLBENZENE	ND	20.0	15	75.0	15.7	78.5	4.56	40	32 - 151
O XYLENE	ND	20.0	15	75.0	16.0	80.0	6.45	24	35 - 143
M & P XYLENE	2.2	40.0	29	67.0	32.2	75.0	11.3	38	25 - 139

Analyst: HS

Sequence Date: 09/08/97

SPL ID of sample spiked: 9709089-03A

Sample File ID: D_I7197.TX0

Method Blank File ID:

Blank Spike File ID: D_I7193.TX0

Matrix Spike File ID: D_I7194.TX0

Matrix Spike Duplicate File ID: D_I7212.TX0

* = Values Outside QC Range. < = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = ((<1> - <2>) / <3>) x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = | (<4> - <5>) | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical Data (4th Q '95)

(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH (SPL ID):

9709069-07A 9709069-08A 9709118-06A 9709144-01A
9709089-03A 9709240-18A 9709089-07A 9709118-03A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD970905055500

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Benzene	ND	50	48	96.0	66 - 123
Toluene	ND	50	50	100	74 - 125
EthylBenzene	ND	50	50	100	84 - 125
O Xylene	ND	50	50	100	76 - 137
M & P Xylene	ND	100	99	99.0	81 - 131

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
BENZENE	ND	20	70	350 *	36	180 *	64.2 *	33	47 - 143
TOLUENE	3.9	20	69	326 *	56	260 *	22.5	35	46 - 148
ETHYLBENZENE	2.2	20	54	259 *	53	254 *	1.95	40	32 - 151
O XYLENE	4.6	20	12	37.0	5.4	4.00 *	161 *	24	35 - 143
M & P XYLENE	53	40	170	292 *	130	192 *	41.3 *	38	25 - 139

Analyst: SB

Sequence Date: 09/05/97

SPL ID of sample spiked: 9708C76-03A

Sample File ID: D_I7104.TX0

Method Blank File ID:

Blank Spike File ID: D_I7110.TX0

Matrix Spike File ID: D_I7102.TX0

Matrix Spike Duplicate File ID: D_I7103.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical Data (4th Q '95)

(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9709166-05A 9709146-04A 9708D22-08A 9709118-04A
9709118-05A 9709118-08A 9708D19-02A 9708D22-06A
9709166-01A 9709166-03A 9709166-04A 9709166-02A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD970906013700

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) ‡ Recovery Range
			Result <1>	Recovery ‡	
Benzene	ND	50	45	90.0	66 - 123
Toluene	ND	50	45	90.0	74 - 125
EthylBenzene	ND	50	45	90.0	84 - 125
O Xylene	ND	50	44	88.0	76 - 137
M & P Xylene	ND	100	90	90.0	81 - 131

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative ‡ Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			BENZENE	1.1	20	28			
TOLUENE	ND	20	25	125	27	135	7.69	35	46 - 148
ETHYLBENZENE	ND	20	25	125	25	125	0	40	32 - 151
O XYLENE	ND	20	24	120	24	120	0	24	35 - 143
M & P XYLENE	2.4	40	50	119	50	119	0	38	25 - 139

Analyst: SB

Sequence Date: 09/06/97

SPL ID of sample spiked: 9709118-07A

Sample File ID: D_I7133.TX0

Method Blank File ID:

Blank Spike File ID: D_I7129.TX0

Matrix Spike File ID: D_I7131.TX0

Matrix Spike Duplicate File ID: D_I7132.TX0

* = Values Outside QC Range. ‹ = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

‡ Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS ‡ Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $|(<4> - <5> | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source: SPL-Houston Historical Data (4th Q '95)

(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9709118-12A 9709118-13A 9709118-14A 9709118-15A
9709118-16A 9709118-18A 9709118-19A 9709118-20A
9708C72-03A 9708C72-05A 9708C72-02A 9708C72-04A
9708C73-01A 9709118-07A 9709118-09A 9709118-10A
9709118-11A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD970906194310

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) ‡ Recovery Range
			Result <1>	Recovery ‡	
Benzene	ND	100	91	91.0	66 - 123
Toluene	ND	100	91	91.0	74 - 125
EthylBenzene	ND	100	89	89.0	84 - 125
O Xylene	ND	100	89	89.0	76 - 137
M & P Xylene	ND	200	180	90.0	81 - 131

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative ‡ Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
BENZENE	ND	90	120	133	87.4	97.1	31.2	33	47 - 143
TOLUENE	ND	90	120	133	86.6	96.2	32.1	35	46 - 148
ETHYLBENZENE	ND	90	120	133	86.5	96.1	32.2	40	32 - 151
O XYLENE	ND	90	110	122	83.5	92.8	27.2 *	24	35 - 143
M & P XYLENE	1.6	180	240	132	171.5	94.4	33.2	38	25 - 139

Analyst: HS

Sequence Date: 09/06/97

SPL ID of sample spiked: 9709089-02A

Sample File ID: D_I7180.TX0

Method Blank File ID:

Blank Spike File ID: D_I7162.TX0

Matrix Spike File ID: D_I7217.TX0

Matrix Spike Duplicate File ID: D_I7218.TX0

* = Values Outside QC Range. † = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

‡ Recovery = $\frac{((<1> - <2>) / <3>) \times 100}$

LCS ‡ Recovery = $\frac{(<1> / <3>) \times 100}$

Relative Percent Difference = $\frac{|(<4> - <5>) |}{[(<4> + <5>) \times 0.5]} \times 100$

(**) = Source: SPL-Houston Historical Data (4th Q '95)

(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9709089-02A 9709089-05A 9709089-06A 9708C72-01A
9709118-17A 9709118-21A 9709089-04A 9709240-19A
9708C75-04A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

Matrix: Aqueous
Units: µg/L

Batch Id: HP_R970904202400

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Benzene	ND	50	43	86.0	62 - 121
Toluene	ND	50	43	86.0	66 - 136
EthylBenzene	ND	50	43	86.0	70 - 136
O Xylene	ND	50	44	88.0	74 - 134
M & P Xylene	ND	100	88	88.0	77 - 140

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			BENZENE	ND	20	15		75.0	15
TOLUENE	ND	20	16	80.0	15	75.0	6.45	26	56 - 134
ETHYLBENZENE	ND	20	15	75.0	14	70.0	6.90	38	61 - 128
O XYLENE	ND	20	16	80.0	15	75.0	6.45	29	40 - 130
M & P XYLENE	ND	40	31	77.5	30	75.0	3.28	20	43 - 152

Analyst: fab
Sequence Date: 09/04/97
SPL ID of sample spiked: 9709096-02A
Sample File ID: R_I7111.TX0
Method Blank File ID:
Blank Spike File ID: R_I7106.TX0
Matrix Spike File ID: R_I7107.TX0
Matrix Spike Duplicate File ID: R_I7108.TX0

* = Values Outside QC Range. < = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = | (<4> - <5>) | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (3rd Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '94)

SAMPLES IN BATCH(SPL ID):

9709095-01A	9709095-02A	9709095-03A	9709095-04A
9709095-05A	9709110-01A	9709095-06A	9709118-23A
9709085-04A	9709085-05A	9709085-06A	9709069-01A
9709086-02A	9709086-03A	9709086-01A	9709095-07A
9709096-02A	9709096-01A		

ICP Spectroscopy Method 6010 Quality Control Report



Matrix: TCLP Leachate - SOIL

Units: mg/L

HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

Analyst: JPS 660-0901

Date: 090897

Time: 0824

File Name: 090897C3

Laboratory Control Sample

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver						
Arsenic	ND	4.00	3.776	94	3.20	4.80
Barium	ND	2.00	1.939	97	1.60	2.40
Beryllium						
Cadmium	ND	2.00	1.845	92	1.60	2.40
Cobalt						
Chromium	ND	2.00	1.941	97	1.60	2.40
Copper						
Thallium						
Nickel						
Lead	ND	2.00	1.877	94	1.60	2.40
Antimony						
Selenium	ND	4.00	3.900	98	3.20	4.80
Vanadium						
Zinc						

Work Orders in Batch

Work Order	Fractions
97-09-118	01A

Matrix Spike - Spike Duplicate Results

Work Order Spiked: 9709118-01A

Element	Sample Result	Spike Added	Matrix Spike		Matrix Spike Duplicate		QC Limits		Spike RPD %	QC Limits %
			Result	Recovery	Result	Recovery	% Recovery			
Silver										
Arsenic	ND	2.0	2.071	104	2.054	103	80	120	0.8	20.0
Barium	0.315	1.0	1.335	102	1.310	100	80	120	2.5	20.0
Beryllium										
Cadmium	ND	1.0	0.995	99	0.979	98	80	120	1.5	20.0
Cobalt										
Chromium	ND	1.0	0.951	95	0.937	94	80	120	1.5	20.0
Copper										
Thallium										
Nickel										
Lead	ND	1.0	0.998	100	0.970	97	80	120	2.8	20.0
Antimony										
Selenium	ND	2.0	2.189	109	2.166	108	80	120	1.1	20.0
Vanadium										
Zinc										

DIG 25/50

Checked: *Jm* 9/9/97

ICP Spectroscopy Method 6010 Quality Control Report



Matrix: TCLP Leachate - SOIL

Units: mg/L

HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

Analyst: PS
PHONE (713) 660-0901

Date: 090897

Time: 0824

File Name: 090897C9

Laboratory Control Sample

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver	ND	2.00	1.673	84	1.60	2.40
Arsenic	ND	4.00	3.868	97	3.20	4.80
Barium	ND	2.00	1.844	92	1.60	2.40
Beryllium						
Cadmium	ND	2.00	1.804	90	1.60	2.40
Cobalt						
Chromium	ND	2.00	1.904	95	1.60	2.40
Copper						
Thallium						
Nickel						
Lead	ND	2.00	1.904	95	1.60	2.40
Antimony						
Selenium	ND	4.00	3.968	99	3.20	4.80
Vanadium						
Zinc						

Work Orders in Batch

Work Order Fractions

97-09-156 03A

97-09-118 01A

Matrix Spike - Spike Duplicate Results

Work Order Spiked: 9709156-03A

Element	Sample Result	Spike Added	Matrix Spike Result	Matrix Spike Recovery	Matrix Spike Duplicate Result	Matrix Spike Duplicate Recovery	QC Limits % Recovery		Spike RPD %	QC Limits %
Silver	ND	1.0	0.966	97	0.962	96	80	120	0.4	20.0
Arsenic	ND	2.0	1.995	100	2.019	101	80	120	1.2	20.0
Barium	0.538	1.0	1.438	90	1.437	90	80	120	0.1	20.0
Beryllium										
Cadmium	ND	1.0	0.917	92	0.916	92	80	120	0.2	20.0
Cobalt										
Chromium	ND	1.0	0.922	92	0.924	92	80	120	0.2	20.0
Copper										
Thallium										
Nickel										
Lead	0.07365	1.0	1.009	94	1.008	93	80	120	0.1	20.0
Antimony										
Selenium	ND	2.0	2.130	107	2.115	106	80	120	0.7	20.0
Vanadium										
Zinc										

DIG 25/50

Checked: gm 9/9/97



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Leachate

Reported on: 09/08/97

Analyzed on: 09/05/97

Analyst: AG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, TCLP Leachate
 Method 7470 A***

SPL Sample ID Number	Method Blank ug/L	Sample Result ug/L	Spike Added ug/L	Matrix Spike		Matrix Spike Duplicate		RPD (%)	QC LIMITS (Advisory)		
				Result ug/L	Recovery %	Result ug/L	Recovery %		RPD Max	% REC	
9708C68-02B	ND	ND	2.00	1.81	90.5	2.00	100	10	20	75	-125

-9709191

Samples in batch:

9708C68-02B 9709118-01A

COMMENTS:

LCS = SPL ID# 94-452-36-23



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Leachate

Reported on: 09/08/97

Analyzed on: 09/05/97

Analyst: AG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, TCLP Leachate
Method 7470 A***

SPL Sample ID Number	Blank Value ug/L	LCS Concentration ug/L	Measured Concentration ug/L	% Recovery	QC Limits Recovery
LCS	ND	2.00	1.97	98.5	80 - 120

-9709191

Samples in batch:

9708C68-02B 9709118-01A

COMMENTS:

LCS = SPL ID# 94-452-36-23



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/04/97

Analyzed on: 09/04/97

Analyst: BEN

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Cyanide-Reactive
Method 7.3.3.2 ***

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration mg/Kg	Duplicate Sample mg/Kg	RPD	RPD Max.
9709118-01B	ND	ND	0	20

-9709130

Samples in batch:

9709070-02A 9709083-01D 9709118-01B

COMMENTS:



QA/QC FORM
FLASH POINT by Cleveland Open Cup

DATE:

9-5-97

METHOD:

ASTM D 92-85

OF SAMPLES:

10

UNITS:

DEG F

ANALYST:

T. Benz

SAMPLE I.D.'s IN SET:

9709145-01A, 9709145-02A, 9708C68-01A
9708C68-02B, 9708C72-05B, 9708C73-01C
9708D06-06B, 9708D16TB, 9708D18-01C
9709118-01B, 9709105-01A

REPLICATES

SAMPLE I.D.	RESULT (#1)	DUPLICATE (#2)	DIFFERENCE #1-#2	QC LIMITS
9708C68-02B	>210°F	>210°F	Ø	±15°F

REVIEWED BY: Bob Kernal DATE: 9-5-97

APPROVED BY: _____ DATE: _____



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/08/97
Analyzed on: 09/08/97
Analyst: EM

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Soil pH Measured in Water
Method 9045C ***

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration pH UNITS	Duplicate Sample pH UNITS	RPD	RPD Max.
9709105-01A	8.73	8.73	0	1.1

-9709217

Samples in batch:

9709105-01A 9709118-01B

COMMENTS:



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/04/97

Analyzed on: 09/04/97

Analyst: BEN

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Sulfide-Reactive
Method 7.3.4.2 ***

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration mg/Kg	Duplicate Sample mg/Kg	RPD	RPD Max.
9709118-01B	ND	ND	0	15

-9709131

Samples in batch:

9709070-02A 9709083-01D 9709118-01B

COMMENTS:

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No:

9109118

15215

Requested Analysis

page 2 of 3

Client Name: **BT SERVICES / BREWMA CANNABEED**

Address/Phone: **1415 LORENA AVE STOR 2520**

Client Contact: **TIM DENNEPS**

Project Name: **BT-ARRESTA ACCP DLIC**

Project Number: **2988-09**

Project Location: **ARRESTA NUM**

Invoice To: **BL**

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Notes
C-FC-16	9/3/97	1235	V		S	G	4	-	3	X X X X HOLD
C-SDWL-N-13	9/3/97	1245	V		S				2	X X X X
C-SDWL-E-14	9/3/97	1250	V		S				2	X X X X
C-SDWL-S-9	9/3/97	1255	V		S				2	X X X X
C-SD										
D-FC-13	9/3/97	1305	V		S				3	X X X X HOLD
D-SDWL-W-9	9/3/97	1315	V		S				2	X X X X
D-SDWL-S-8	9/3/97	1320	V		S				2	X X X X

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Temp: *4000*

Requested TAT

- 24hr 72hr
- 48hr Standard
- Other

Special Reporting Requirements

Standard QC Level 3 QC

Fax Results

Raw Data

Level 4 QC

Special Detection Limits (specify):

- 1. Relinquished by Sampler:
- 2. Received by: _____
- 3. Relinquished by: _____
- 4. Received by: _____
- 5. Relinquished by: _____

Received by Laboratory: *[Signature]*

9/14/97 *[Signature]*

PM review (initial):

- 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
- 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775
- 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777
- 1511 E. Orangelhorpe Avenue, Fullerton, CA 92631 (714) 447-6868



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No:

9109118

15202

Page 3 of 3

Requested Analysis

PCRA METALS

TPA-DRO-8D15

BTEX-8020

pres.

size

bottle

matrix

Client Name: **35 SERVICES/PROXY + CHAIN OF CUSTODY**
Address/Phone: **1415 LOWERY BLVD, SUITE 2520**

Client Contact: **TEM TEALUS**

Project Name: **BT-AMBASSADOR DRILL**

Project Number: **2988-09**

Project Location: **AMBASSADOR W/M**

Invoice To: **BC**

SAMPLE ID

DATE

TIME

comp

grab

W=water S=soil
SL=sludge O=other:
P=plastic A=amber glass
G=glass V=vial
1=1 liter 4=4oz 40=16oz
8=8oz 16=16oz
1=HCl 2=HNO3
3=H2SO4 O=other:
Number of Containers

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis
E-SDWL-E-8	9/3/97	1330			S	G	4	1	2	
E-SDWL-S-7	9/3/97	1340			S	G	4	1	2	
E-SDWL-N-6	9/3/97	1345			S	G	4	1	2	
E-SDWL-S-6	9/3/97	1350			S	G	4	1	2	
E-FC-7	9/3/97	1400			S	G	4	1	3	Hold
STRPL-S	9/3/97	1415			S	G	4	1	2	

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Temp: **40 C**

Requested TAT

Special Reporting Requirements

Fax Results

Raw Data

Special Detection Limits (specify):

24hr 72hr

48hr Standard

Other

1. Relinquished by sampler:

3. Relinquished by:

5. Relinquished by:

date **9/3/97**

date

date

time **1500**

time

time

2. Received by: **EDER**

4. Received by:

6. Received by Laboratory: **9/14/97**

9/14/97

1000

8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868

Houston Environmental Laboratory

Sample Login Checklist

Time: 1000

9709118

		<u>Yes</u>	<u>No</u>
COC form is present.		/	
Completed.		/	
Performance Worksheet has been completed.			
Present on the shipping container.		/	
Seals are intact.		/	
Signed or labeled.		/	
Performance Worksheet has been completed.			
Arrived intact		/	
Samples upon arrival:		4	C
Delivery to SPL:	SPL Delivery		
	Client Delivery		
	FedEx Delivery (airbill #)	2110276910	
	Other:		
Disposal:	SPL Disposal	/	
	HOLD		
	Return to Client		

[Signature]

Date: 9-4-97



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713)660-0901

September 24, 1997

Mr. Tim Jenkins
Brown and Caldwell
1415 Louisiana
Houston, TX 77002

The following report contains analytical results for samples received at Southern Petroleum Laboratories (SPL) on September 11, 1997. The samples were assigned to Certificate of Analysis No.(s)9709785 and analyzed for all parameters as listed on the chain of custody.

Based on the conditions of the sample, procedures performed and quality controls implemented for this project, the following exceptions were noted for this data package.

The Matrix Spike and Matri Spike Duplicate recoveries were out of QC limits (File Name: 9709828) for Total Lead (6010) analysis, due to matrix interference. Sample spiked was not from your batch of samples. The laboratory control sample and standard recoveries are in, verifying that the calibration is still valid.

If you have any questions or comments pertaining to this data report, please do not hesitate to contact me. Please reference the above Certificate of Analysis No. during any inquiries.

Again, SPL is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Southern Petroleum Laboratories


Bernadette A. Fini
Project Manager



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

PHONE (713) 660-0901

Southern Petroleum Laboratories, Inc.

Certificate of Analysis Number: 97-09-785

Approved for Release by:


Bernadette A. Fini, Project Manager

9-25-97
Date:

Greg Grandits
Laboratory Director

Idelis Williams
Quality Assurance Officer

The attached analytical data package may not be reproduced except in full without the express written approval of this laboratory.



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9709785-01

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Tim Jenkins

DATE: 09/24/97

PROJECT: BJ-Artesia
SITE: Artesia, New Mexico
SAMPLED BY: Brown & Caldwell
SAMPLE ID: B-FC-11

PROJECT NO: 2988-09
MATRIX: SOIL
DATE SAMPLED: 09/03/97 12:05:00
DATE RECEIVED: 09/11/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Silver, Total Method 6010A *** Analyzed by: PS Date: 09/22/97	ND	1	mg/kg
Arsenic, Total Method 7060A *** Analyzed by: JM Date: 09/24/97	ND	2	mg/kg
Barium, Total Method 6010A *** Analyzed by: PS Date: 09/22/97	246	0.5	mg/kg
Cadmium, Total Method 6010A *** Analyzed by: PS Date: 09/22/97	ND	0.5	mg/kg
Chromium, Total Method 6010A *** Analyzed by: PS Date: 09/22/97	9	1	mg/kg
Mercury, Total Method 7471A *** Analyzed by: AG Date: 09/23/97	ND	0.1	mg/kg

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

Certificate of Analysis No. H9-9709785-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 09/24/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown & Caldwell
 SAMPLE ID: B-FC-11

PROJECT NO: 2988-09
 MATRIX: SOIL
 DATE SAMPLED: 09/03/97 12:05:00
 DATE RECEIVED: 09/11/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Acid Digestion - Solids, GFAA Method 3050A *** Analyzed by: MM Date: 09/19/97	09/19/97		
Acid Digestion - Solids, ICP Method 3050A *** Analyzed by: MM Date: 09/19/97	09/19/97		
Lead, Total Method 7421 *** Analyzed by: PB Date: 09/23/97	4.2	0.2	mg/kg
Selenium, Total Method 7740 *** Analyzed by: JM Date: 09/23/97	ND	0.5	mg/kg

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

QUALITY CONTROL

DOCUMENTATION

ICP Spectroscopy Method 6010 Quality Control Report



Matrix: Soil

Units: mg/Kg

HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

PHONE: (832) 660-0901

Date: 092297

Time: 0814

File Name: 092297C3

Analysis: PS

Laboratory Control Sample Lot#233

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver	ND	59.7	45	75	30.6	88.8
Aluminum						
Arsenic	ND	108	100	92	80.1	136
Barium	ND	59.7	52	88	45.2	74.2
Beryllium						
Calcium						
Cadmium	ND	114	85	75	68.6	159
Cobalt						
Chromium	ND	42.2	36	85	32.4	52.1
Copper						
Iron						
Potassium						
Molybdenum						
Manganese						
Sodium						
Nickel						
Lead	ND	44.3	37	84	33.7	54.9
Antimony						
Selenium	ND	70.6	60	85	44.6	96.6
Thallium						
Vanadium						
Zinc						

Work Orders in Batch

Work Order	Fractions
97-09-802	01A
97-09-785	01A
97-09-807	06C-07C
97-09-760	02A
97-09-931	02B
97-09-759	98A-99A

Matrix Spike - Spike Duplicate Results

Work Order Spiked: 9709802-01A

Element	Sample Result	Spike Added	Matrix Spike		Matrix Spike Duplicate		Q.C. Limits		Spike RPD %	QC Limits %
			Result	Recovery	Result	Recovery	% Recovery	% Recovery		
Silver	ND	100	87.4	87	89.68	90	80	120	2.6	20.0
Aluminum										
Arsenic	10.28	200	177.6	84	187.6	89	80	120	5.8	20.0
Barium	31.68	100	128.1	96	142.5	111	80	120	13.9	20.0
Beryllium										
Calcium										
Cadmium	ND	100	83.26	83	86.17	86	80	120	3.4	20.0
Cobalt										
Chromium	7.471	100	96.36	89	104.8	97	80	120	9.1	20.0
Copper										
Iron										
Potassium										
Molybdenum										
Manganese										
Sodium										
Nickel										
Lead	8.293	100	90.95	83	96.19	88	80	120	6.1	20.0
Antimony										
Selenium	ND	200	181.6	91	185.9	93	80	120	2.3	20.0
Thallium										
Vanadium										
Zinc										

Checked

PS
9/23/97



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/25/97
 Analyzed on: 09/24/97
 Analyst: JM

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Arsenic, Total
 Method 7060A ***

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike		Matrix Spike Duplicate		RPD (%)	QC LIMITS (Advisory)		
				Result mg/Kg	Recovery %	Result mg/Kg	Recovery %		RPD Max	% REC	
9709901-08B	ND	ND	4.00	3.94	98.5	4.18	104	5.4	20	75	-125

-9709866

Samples in batch:

9709785-01A

COMMENTS:

LCS=SPL ID#: 94-452-33-16



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

PHONE (713)660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/25/97

Analyzed on: 09/24/97

Analyst: JM

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Arsenic, Total
Method 7060A ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	108	102.8	80.1 - 136

-9709866

Samples in batch:

9709785-01A

COMMENTS:

LCS=SPL ID#: 94-452-33-16



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/23/97
 Analyzed on: 09/23/97
 Analyst: PB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Selenium, Total
 Method 7740 ***

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike		Matrix Spike Duplicate		RPD (%)	QC LIMITS (Advisory)		
				Result mg/Kg	Recovery %	Result mg/Kg	Recovery %		RPD Max	% REC	
9709901-08B	ND	ND	40.0	33.2	83.0	31.1	77.8	6.5	20	75	-125

-9709807

Samples in batch:

9709785-01A

COMMENTS:

LCS= SPL ID# 94-452-33-17



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/23/97
Analyzed on: 09/23/97
Analyst: PB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Selenium, Total
Method 7740 ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	70.6	65.5	44.6 - 96.6

-9709807

Samples in batch:

9709785-01A

COMMENTS:

LCS= SPL ID# 94-452-33-17



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/24/97
 Analyzed on: 09/23/97
 Analyst: PB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Lead, Total
 Method 7421 ***

SPL Sample	Method	Sample	Spike	Matrix Spike		Matrix Spike Duplicate		RPD	QC LIMITS (Advisory)	
				Result	Recovery	Result	Recovery		(%)	RPD Max
ID Number	Blank mg/Kg	Result mg/Kg	Added mg/Kg	Result mg/Kg	Recovery %	Result mg/Kg	Recovery %	(%)	RPD Max	% REC
9709901-08B	ND	6.79	4.00	7.99	30.0 *	8.90	52.8 *	55	20	75 -125

-9709828

Samples in batch:

9709785-01A 9709901-08B

COMMENTS:

LCS= SPL ID# 94-452-33-17

* = MI

** = RPD



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/24/97

Analyzed on: 09/23/97

Analyst: PB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Lead, Total
Method 7421 ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	44.3	36.6	33.7 - 54.9

-9709828

Samples in batch:

9709785-01A 9709901-08B

COMMENTS:

LCS= SPL ID# 94-452-33-17

* = MI

** = RPD



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

**** SPL QUALITY CONTROL REPORT ****

Matrix: Soil

Reported on: 09/23/97
 Analyzed on: 09/23/97
 Analyst: AG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
 Method 7471A ***

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike		Matrix Spike Duplicate		RPD (%)	QC LIMITS (Advisory)		
				Result mg/Kg	Recovery %	Result mg/Kg	Recovery %		RPD Max	% REC	
9709962-01A	ND	ND	1.00	0.90	90.0	0.96	96.0	6.4	20	75	-125

-9709805

Samples in batch:

9709785-01A 9709807-01B 9709807-02B 9709807-03B
 9709807-04B 9709807-05B 9709807-07C 9709931-02B
 9709962-01A

COMMENTS:

LSC = SPL ID# 94-452-33-18



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 09/23/97
Analyzed on: 09/23/97
Analyst: AG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
Method 7471A ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	1.71	1.43	1.16 - 2.26

-9709805

Samples in batch:

9709785-01A 9709807-01B 9709807-02B 9709807-03B
9709807-04B 9709807-05B 9709807-07C 9709931-02B
9709962-01A

COMMENTS:

LSC = SPL ID# 94-452-33-18

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST

Rush

New Workorder No. 9709785

LOGIN WORKORDER

CHANGE SHEET

WORKORDER #: 9709118 REQUESTED BY: BFinj

DATE REQUESTED: 9/17 SUBMITTED TO: Login

ADD TESTS/PREPS:

SAMPLE	FRACTION	ADD TEST	COMMENTS
06	A	Client Job test code TOTSMT	\$ 120.

DELETE TESTS/PREPS:

SAMPLE	FRACTION	DELETE TEST	COMMENTS

CHANGE TESTS/PREPS:

SAMPLE	FRACTION	DELETE TEST	REPLACE TEST

CHANGE CLIENT CODE TO: _____

REVISE TAT? NO YES NEW DATE: 9/24/97

REMEMBER TO RE-LABEL ALL AFFECTED SAMPLE CONTAINERS !!!!!



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No:

9705118

15217

page 1 of 2

Requested Analysis

BTIX 8020
TMI DFC 8015
R.C.I.
TCLP SEMI 3
TCLP VOL
TCLP Metals
ECFA Metals

Client Name: BTX Services, Inc. MW + Chemical

Address/Phone: 1111 Ambassador Dr Houston TX 77054

Client Contact: Tim Manning

Project Name: T1 MATTIUM

Project Number: 09/22/09

Project Location: AMBASSADOR, MW

Invoice To: T&E

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	BTIX 8020	TMI DFC 8015	R.C.I.	TCLP SEMI 3	TCLP VOL	TCLP Metals	ECFA Metals
STEPL-N-1	11/2/97	0915	V		W	G	4	1	3							
A-FC--5(N)	1/3/97	1136	V		SL	G	4	1	3							
A SDWI--A-2	9/1/97	1140	V						2							
A SDWI-E-3	9/3/97	1150	V						2							
A SDWI-S-4	9/3/97	1155	V						2							
B-FC--11	9/3/97	1205	V						2							
B SDWI-N-7	9/2/97	1215	V						2							
B SDWI-E-8	9/3/97	1220	V						2							
B SDWI-S-8	9/3/97	1225	V						2							

Client/Consultant Remarks:

Laboratory remarks:

Requested TAT

24hr 72hr

48hr Standard

Other

Special Reporting Requirements

Standard QC

Level 3 QC

Level 4 QC

Raw Data

Special Detection Limits (specify):

1. Relinquished by Sampler: [Signature]

3. Relinquished by: [Signature]

5. Relinquished by:

date 9/13/97

date 9/13/97

date

time 1500

time

time

2. Received by: [Signature]

4. Received by: [Signature]

6. Received by Laboratory: [Signature]

Intact? Y N

Temp: [Signature]

PIM review (initial):

8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775



LABORATORIES, INC.

ANALYTICAL AND QUALITY CONTROL REPORT

Rick Rexroad
BROWN & CALDWELL
1415 Louisiana
Suite 2500
Houston, TX 77002

03/17/1997

EPIC Job Number: 97.00845

Enclosed is the Analytical and Quality Control report for the following samples submitted to the Dallas Division of EPIC Laboratories, Inc. for analysis. Reproduction of this analytical report is permitted only in its entirety.

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
329575	TW-STK-E	03/06/1997	03/07/1997
329576	TW-STK-W	03/06/1997	03/07/1997

EPIC Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument calibration: All calibrations were within method quality control criteria.

Analysis Comments: No Unusual Comments

Jim Rowley
Project Manager

ANALYTICAL REPORT

Rick Rexroad
 BROWN & CALDWELL
 1415 Louisiana
 Suite 2500
 Houston, TX 77002

03/17/1997

EPIC Job Number: 97.00845

Page No.: 2

Project Description: BJ Services / Artesia, NM

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO.	SAMPLE DESCRIPTION								DATE-TIME TAKEN
329575	TW-STK-E								03/06/1997 09:45
Cyanide, Reactive	<0.25		mg/kg	0.25	03/13/1997	cgl		498	S-7.3.3.1
pH, Corrosivity	8.16		units	N/A	03/11/1997	kwo		1406	S-7.2.2
Sulfide, Reactive	<12.5		mg/kg	12.5	03/13/1997	cgl		521	S-7.3.4.1
ICP Metals - Aqueous	complete				03/14/1997	jmc		1603	
TCLP NON-VOLATILE EXTRACTION	c			COMPLETE	03/14/1997	nmw	525		S-1311
EXTRACTION, ZHE VOLATILE	c 3-11-9			COMPLETE	03/11/1997	mda	539		S-1311
TCLP-Prep AA, ICP	c			COMPLETE	03/13/1997	nmw	1206		S-3010A
TCLP-Arsenic, ICP	<0.03		mg/L	0.03	03/14/1997	jmc	1206	1535	S-6010A
TCLP-Barium, ICP	0.28		mg/L	0.01	03/14/1997	jmc	1206	1422	S-6010A
TCLP-Cadmium, ICP	<0.01		mg/L	0.01	03/14/1997	jmc	1206	1597	S-6010A
TCLP-Chromium, ICP	<0.01		mg/L	0.01	03/14/1997	jmc	1206	1597	S-6010A
TCLP-Lead, ICP	<0.03		mg/L	0.03	03/14/1997	jmc	1206	1606	S-6010A
TCLP-Mercury, CVAA	<0.02	EDL	mg/L	0.0002	03/13/1997	bwb		1345	S-7470A
TCLP-Selenium, ICP	<0.04		mg/L	0.04	03/14/1997	jmc	1206	1534	S-6010A
TCLP-Silver, ICP	<0.01		mg/L	0.01	03/14/1997	jmc	1206	1587	S-6010A
Ignitability	DNB	DNB			03/13/1997	bss		311	ASTM D4982-89
EXTRACTION, TCLP SEMI-VOLATILE	c				03/11/1997	jwh	447		S-1311
Prep, TCLP - BNA	c 3-12-			complete	03/12/1997	jwh	439		S-3510
TCLP-ACID EXTRACTABLES - 8270									
TCLP-Cresols, Total	<0.066		mg/L	0.066	03/16/1997	dtw	439	423	S-8270A
TCLP-Pentachlorophenol	<0.33		mg/L	0.33	03/16/1997	dtw	439	423	S-8270A
TCLP-2,4,5-Trichlorophenol	<0.066		mg/L	0.066	03/16/1997	dtw	439	423	S-8270A
TCLP-2,4,6-Trichlorophenol	<0.066		mg/L	0.066	03/16/1997	dtw	439	423	S-8270A
SURR: 2-Fluorophenol	54		µ Rec	21-100	03/16/1997	dtw	439	423	S-8270A
SURR: Phenol-d5	54		µ Rec	10-94	03/16/1997	dtw	439	423	S-8270A
SURR: 2,4,6-Tribromophenol	66		µ Rec	10-123	03/16/1997	dtw	439	423	S-8270A
TCLP-BASE NEUTRALS - 8270									
TCLP-1,4-Dichlorobenzene	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-2,4-Dinitrotoluene	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-Hexachlorobenzene	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-Hexachlorobutadiene	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-Hexachloroethane	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-Nitrobenzene	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
TCLP-Pyridine	<0.066		mg/L	0.066	03/16/1997	dtw	439	421	S-8270A
SURR: 2-Fluorobiphenyl	64		µ Rec	43-116	03/16/1997	dtw	439	421	S-8270A
SURR: Nitrobenzene-d5	72		µ Rec	35-114	03/16/1997	dtw	439	421	S-8270A

DNB - Does not burn.

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL REPORT

Rick Rexroad
 BROWN & CALDWELL
 1415 Louisiana
 Suite 2500
 Houston, TX 77002

03/17/1997

EPIC Job Number: 97.00845

Page No.: 3

Project Description: BJ Services / Artesia, NM

Analyte	Result	Flag	Units	Reporting	Date	Analyst	Prep	Run	Method Reference	
				Limit	Analyzed	Initials	Batch	Batch		
SAMPLE NO.			SAMPLE DESCRIPTION				DATE-TIME TAKEN			
329575			TW-STK-E				03/06/1997 09:45			
SURR: Terphenyl-d14	72		% Rec	33-141	03/16/1997	dtw	439	421	S-8270A	
TCLP-8240										
TCLP-Benzene	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-2-Butanone (MEK)	<0.50		mg/L	0.50	03/13/1997	acg		1177	S-8240A	
TCLP-Carbon Tetrachloride	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-Chlorobenzene	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-Chloroform	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-1,2-Dichloroethane	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-1,1-Dichloroethene	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-Tetrachloroethene	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-Trichloroethene	<0.025		mg/L	0.025	03/13/1997	acg		1177	S-8240A	
TCLP-Vinyl chloride	<0.05		mg/L	0.05	03/13/1997	acg		1177	S-8240A	
SURR: 1,2-Dichloroethane-d4	89		% Rec	76-114	03/13/1997	acg		1177	S-8240A	
SURR: Toluene-d8	98		% Rec	88-110	03/13/1997	acg		1177	S-8240A	
SURR: 4-Bromofluorobenzene	99		% Rec	86-115	03/13/1997	acg		1177	S-8240A	

SAMPLE NO.			SAMPLE DESCRIPTION				DATE-TIME TAKEN			
329576			TW-STK-W				03/06/1997 09:55			
HOLD / ARCHIVE			Hold for 45 days			cac		103		

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 97.00845

Analyte	Prep	Run	Method	CCV		CCV	CCV	Date
	Batch	Batch		True	Units	Conc		
	No.	No.		Value		Found	Rec	Flag Analyzed
Cyanide, Reactive		498	S-7.3.3.1	0.100	mg/kg	0.100	100	03/13/1997
Sulfide, Reactive		521	S-7.3.4.1	1000	mg/kg	1000	100	03/13/1997
TCLP-Arsenic, ICP		1535	S-6010A	1.00	mg/L	1.02	102	03/13/1997
TCLP-Barium, ICP		1422	S-6010A	1.00	mg/L	1.00	100	03/13/1997
TCLP-Cadmium, ICP		1597	S-6010A	1.00	mg/L	1.01	101	03/13/1997
TCLP-Chromium, ICP		1597	S-6010A	1.00	mg/L	1.03	103	03/13/1997
TCLP-Lead, ICP		1606	S-6010A	1.00	mg/L	1.02	102	03/13/1997
TCLP-Mercury, CVAA		1345	S-7470A	0.50	mg/L	0.54	108	03/13/1997
TCLP-Selenium, ICP		1534	S-6010A	1.00	mg/L	1.02	102	03/13/1997
TCLP-Silver, ICP		1587	S-6010A	1.00	mg/L	1.01	101	03/13/1997
TCLP-ACID EXTRACTABLES - 8270			S-8270A					
TCLP-Cresols, Total		423	S-8270A	0.10	mg/L	0.110	110	03/16/1997
TCLP-Pentachlorophenol		423	S-8270A	0.050	mg/L	0.045	90	03/16/1997
TCLP-2,4,5-Trichlorophenol		423	S-8270A	0.050	mg/L	0.041	82	03/16/1997
TCLP-2,4,6-Trichlorophenol		423	S-8270A	0.050	mg/L	0.053	106	03/16/1997
TCLP-BASE NEUTRALS - 8270			S-8270A					
TCLP-1,4-Dichlorobenzene		421	S-8270A	0.050	mg/L	0.060	120	03/16/1997
TCLP-2,4-Dinitrotoluene		421	S-8270A	0.050	mg/L	0.044	88	03/16/1997
TCLP-Hexachlorobenzene		421	S-8270A	0.050	mg/L	0.047	94	03/16/1997
TCLP-Hexachlorobutadiene		421	S-8270A	0.050	mg/L	0.048	96	03/16/1997

Method References and Codes

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

E-100 through 493: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

A: "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 97.00845

Analyte	Prep	Run	Method	CCV		CCV	CCV	Date
	Batch	Batch		True	Units	Conc	†	
	No.	No.		Value		Found	Rec	Flag Analyzed
TCLP-Hexachloroethane		421	S-8270A	0.050	mg/L	0.050	100	03/16/1997
TCLP-Nitrobenzene		421	S-8270A	0.050	mg/L	0.050	100	03/16/1997
TCLP-Pyridine		421	S-8270A	0.050	mg/L	0.056	112	03/16/1997
TCLP-8240			S-8240A					
TCLP-Benzene		1177	S-8240A	0.020	mg/L	0.021	105	03/13/1997
TCLP-2-Butanone (MEK)		1177	S-8240A	0.020	mg/L	0.022	110	03/13/1997
TCLP-Carbon Tetrachloride		1177	S-8240A	0.020	mg/L	0.027	135	03/13/1997
TCLP-Chlorobenzene		1177	S-8240A	0.020	mg/L	0.022	110	03/13/1997
TCLP-Chloroform		1177	S-8240A	0.020	mg/L	0.019	95	03/13/1997
TCLP-1,2-Dichloroethane		1177	S-8240A	0.020	mg/L	0.019	95	03/13/1997
TCLP-1,1-Dichloroethene		1177	S-8240A	0.020	mg/L	0.018	90	03/13/1997
TCLP-Tetrachloroethene		1177	S-8240A	0.020	mg/L	0.021	105	03/13/1997
TCLP-Trichloroethene		1177	S-8240A	0.020	mg/L	0.021	105	03/13/1997
TCLP-Vinyl chloride		1177	S-8240A	0.020	mg/L	0.023	115	03/13/1997

Method References and Codes

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

E-100 through 493: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

A: "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT BLANKS

JOB NUMBER: 97.00845

Analyte	Prep	Run	Blank	Flag	Units	Reporting	Date
	Batch	Batch				Limit	Analyzed
	No.	No.	Value				
Cyanide, Reactive		498	<0.25		mg/kg	0.25	03/13/1997
Sulfide, Reactive		521	<12.5		mg/kg	12.5	03/13/1997
TCLP-Arsenic, ICP	1206	1535	<0.03		mg/L	0.03	03/13/1997
TCLP-Barium, ICP	1206	1422	<0.01		mg/L	0.01	03/13/1997
TCLP-Cadmium, ICP	1206	1597	<0.01		mg/L	0.01	03/13/1997
TCLP-Chromium, ICP	1206	1597	<0.01		mg/L	0.01	03/13/1997
TCLP-Lead, ICP	1206	1606	<0.03		mg/L	0.03	03/13/1997
TCLP-Mercury, CVAA		1345	<0.0002		mg/L	0.0002	03/13/1997
TCLP-Selenium, ICP	1206	1534	<0.04		mg/L	0.04	03/13/1997
TCLP-Silver, ICP	1206	1587	<0.01		mg/L	0.01	03/13/1997
TCLP-ACID EXTRACTABLES - 8270							
TCLP-Cresols, Total	439	423	<0.066		mg/L	0.066	03/16/1997
TCLP-Pentachlorophenol	439	423	<0.33		mg/L	0.33	03/16/1997
TCLP-2,4,5-Trichlorophenol	439	423	<0.066		mg/L	0.066	03/16/1997
TCLP-2,4,6-Trichlorophenol	439	423	<0.066		mg/L	0.066	03/16/1997
TCLP-BASE NEUTRALS - 8270							
TCLP-1,4-Dichlorobenzene	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-2,4-Dinitrotoluene	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-Hexachlorobenzene	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-Hexachlorobutadiene	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-Hexachloroethane	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-Nitrobenzene	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-Pyridine	439	421	<0.066		mg/L	0.066	03/16/1997
TCLP-8240							
TCLP-Benzene		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-2-Butanone (MEK)		1177	<0.50		mg/L	0.50	03/13/1997
TCLP-Carbon Tetrachloride		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-Chlorobenzene		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-Chloroform		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-1,2-Dichloroethane		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-1,1-Dichloroethene		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-Tetrachloroethene		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-Trichloroethene		1177	<0.025		mg/L	0.025	03/13/1997
TCLP-Vinyl chloride		1177	<0.05		mg/L	0.05	03/13/1997

Advisory Control Limits for Blanks

Metals/Wet Chemistry/Conventionals/GC - All compounds should be less than the Reporting Limit.

GC/MS Semi-Volatiles - All compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the Reporting Limit.

GC/MS Volatiles - Toluene, Methylene chloride, Acetone and Chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.

QUALITY CONTROL REPORT
Laboratory Control Sample
(LCS)

JOB NUMBER: 97.00845

Analyte	Prep	Run	LCS		LCS	LCS	LCS	LCS	LCS	Date	
	Batch	Batch	True	Units	Conc	%	Dup Conc.	Dup	%		
	No.	No.	Conc		Found	Rec.	Found	% Rec	RPD	Flag	Analyzed
Cyanide, Reactive		498	1000	mg/kg	202	20					03/13/1997
pH, Corrosivity		1406	9.00	units	9.01	100					03/11/1997
Sulfide, Reactive		521	250	mg/kg	230	92					03/13/1997
TCLP-Arsenic, ICP	1206	1535	1.00	mg/L	0.95	95					03/13/1997
TCLP-Barium, ICP	1206	1422	1.00	mg/L	0.93	93					03/13/1997
TCLP-Cadmium, ICP	1206	1597	1.00	mg/L	0.93	93					03/13/1997
TCLP-Chromium, ICP	1206	1597	1.00	mg/L	0.96	96					03/13/1997
TCLP-Lead, ICP	1206	1606	1.00	mg/L	0.94	94					03/13/1997
TCLP-Mercury, CVAA		1345	0.50	mg/L	0.54	108					03/13/1997
TCLP-Selenium, ICP	1206	1534	1.00	mg/L	0.94	94					03/13/1997
TCLP-Silver, ICP	1206	1587	1.00	mg/L	0.91	91					03/13/1997
TCLP-ACID EXTRACTABLES - 8270											
TCLP-Cresols, Total	439	423	0.30	mg/L	0.155	52	0.147	49	5.4		03/16/1997
TCLP-Pentachlorophenol	439	423	0.10	mg/L	0.044	44	0.038	38	15		03/16/1997
TCLP-2,4,5-Trichlorophenol	439	423	0.10	mg/L	0.036	36	0.033	33	8.7		03/16/1997
TCLP-2,4,6-Trichlorophenol	439	423	0.10	mg/L	0.054	54	0.050	50	7.7		03/16/1997
TCLP-BASE NEUTRALS - 8270											
TCLP-1,4-Dichlorobenzene	439	421	0.10	mg/L	0.058	58	0.060	60	3.4		03/16/1997
TCLP-2,4-Dinitrotoluene	439	421	0.10	mg/L	0.058	58	0.052	52	11		03/16/1997
TCLP-Hexachlorobenzene	439	421	0.10	mg/L	0.058	58	0.052	52	11		03/16/1997
TCLP-Hexachlorobutadiene	439	421	0.10	mg/L	0.047	47	0.047	47	0		03/16/1997
TCLP-Hexachloroethane	439	421	0.10	mg/L	0.046	46	0.048	48	4.3		03/16/1997
TCLP-Nitrobenzene	439	421	0.10	mg/L	0.055	55	0.053	53	3.7		03/16/1997
TCLP-Pyridine	439	421	0.10	mg/L	0.062	62	0.051	51	20		03/16/1997
TCLP-8240											
TCLP-Benzene		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-2-Butanone (MEK)		1177	0.020	mg/L	0.018	90					03/13/1997
TCLP-Carbon Tetrachloride		1177	0.020	mg/L	0.014	70					03/13/1997
TCLP-Chlorobenzene		1177	0.020	mg/L	0.019	95					03/13/1997
TCLP-Chloroform		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-1,2-Dichloroethane		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-1,1-Dichloroethene		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-Tetrachloroethene		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-Trichloroethene		1177	0.020	mg/L	0.020	100					03/13/1997
TCLP-Vinyl chloride		1177	0.020	mg/L	0.016	80					03/13/1997

Advisory Control Limits for LCS

Inorganic Parameters - The LCS recovery should be 80-120%.

QUALITY CONTROL REPORT
Matrix Spike / Matrix Spike Duplicate
(MS / MSD)

JOB NUMBER: 97.00845

Analyte	Prep	Run	MS/MSD	Conc.	Units	Sample	Conc.	MS	Conc.	MSD	RPD	Flag	Date Analyzed
	Batch	Batch	Sample	Spike			MS	%	MSD	%			
	No.	No.	Number	Added		Result	Result	Rec.	Result	Rec.			
TCLP-Arsenic, ICP	1206	1535	329174	1.00	mg/L	0.26	1.20	94	1.16	90	4.3		03/13/1997
TCLP-Arsenic, ICP	1206	1535	329177	1.00	mg/L	<0.03	0.96	96	0.98	98	2.1		03/14/1997
TCLP-Barium, ICP	1206	1422	329174	1.00	mg/L	0.25	1.14	89	1.11	86	3.4		03/13/1997
TCLP-Barium, ICP	1206	1422	329177	1.00	mg/L	0.07	0.98	91	0.99	92	1.1		03/14/1997
TCLP-Cadmium, ICP	1206	1597	329174	1.00	mg/L	<0.01	0.90	90	0.87	87	3.4		03/13/1997
TCLP-Cadmium, ICP	1206	1597	329177	1.00	mg/L	<0.01	0.91	91	0.90	90	1.1		03/14/1997
TCLP-Chromium, ICP	1206	1597	329174	1.00	mg/L	0.20	0.93	73	0.91	71	2.8		03/13/1997
TCLP-Chromium, ICP	1206	1597	329177	1.00	mg/L	<0.01	0.94	94	0.93	93	1.1		03/14/1997
TCLP-Lead, ICP	1206	1606	329174	1.00	mg/L	<0.03	0.92	92	0.88	88	4.4		03/13/1997
TCLP-Lead, ICP	1206	1606	329177	1.00	mg/L	<0.03	0.92	92	0.91	91	1.1		03/14/1997
TCLP-Mercury, CVAA		1345	329803	0.50	mg/L	<0.0002	0.58	116	0.60	120	3.4		03/13/1997
TCLP-Selenium, ICP	1206	1534	329174	1.00	mg/L	<0.04	0.96	96	0.97	97	1		03/13/1997
TCLP-Selenium, ICP	1206	1534	329177	1.00	mg/L	<0.04	1.02	102	0.95	95	7		03/14/1997
TCLP-Silver, ICP	1206	1587	329174	1.00	mg/L	<0.01	0.91	91	0.87	87	4.5		03/13/1997
TCLP-Silver, ICP	1206	1587	329177	1.00	mg/L	<0.01	0.91	91	0.90	90	1.1		03/14/1997
TCLP-8240			329517										
TCLP-Benzene		1177	329517	0.020	mg/L	<0.025	0.024	120	0.024	120	0		03/13/1997
TCLP-2-Butanone (MEK)		1177	329517	0.020	mg/L	<0.50	0.011	55	0.014	70	24		03/13/1997
TCLP-Carbon Tetrachloride		1177	329517	0.020	mg/L	<0.025	0.016	80	0.018	90	12		03/13/1997
TCLP-Chlorobenzene		1177	329517	0.020	mg/L	<0.025	0.023	115	0.025	125	8.3		03/13/1997
TCLP-Chloroform		1177	329517	0.020	mg/L	<0.025	0.020	100	0.022	110	9.5		03/13/1997
TCLP-1,2-Dichloroethane		1177	329517	0.020	mg/L	<0.025	0.021	105	0.024	120	13		03/13/1997
TCLP-1,1-Dichloroethene		1177	329517	0.020	mg/L	<0.025	0.023	115	0.023	115	0		03/13/1997
TCLP-Tetrachloroethene		1177	329517	0.020	mg/L	<0.025	0.024	120	0.025	125	4.1		03/13/1997
TCLP-Trichloroethene		1177	329517	0.020	mg/L	<0.025	0.024	120	0.024	120	0		03/13/1997
TCLP-Vinyl chloride		1177	329517	0.020	mg/L	<0.05	0.034	170	0.033	165	3		03/13/1997

Advisory Control Limits for MS/MSDs

Inorganic Parameters - The spike recovery should be 75-125% if the spike amount value is greater than or equal to one fourth of the sample result value. The RPD for the MS/MSD should be less than 20.

NOTE: Matrix Spike Samples may not be samples from this job.

QUALITY CONTROL REPORT
DUPLICATES

JOB NUMBER: 97.00845

Analyte	Prep Batch No.	Run Batch No.	Sample Result	Duplicate Sample Result	Units	RPD	Flag	Date Analyzed
pH, Corrosivity		1406	9.28	9.29	units	0.1		03/11/1997
pH, Corrosivity		1406	8.16	8.17	units	0.1		03/11/1997

Advisory Control Limits for Spikes

The spike recovery should be 75-125% if the spike amount is greater than or equal to one fourth of the sample result value.

NOTE: Spike Samples may not be samples from this job.

Advisory Control Limits for Duplicates

The RPD for the sample and duplicate should be less than 20.

1548 WALWOOD PARKWAY, SUITE 118
CARROLLTON, TEXAS 75008
DALLAS (972) 409-8100
AUSTIN (512) 923-8905



CHAIN OF CUSTODY RECORD

COMPANY: BROWN AND CAULWELL
ADDRESS: 1415 LOUISIANA, SUITE 2500, HOUSTON 77002
PHONE: 713 753 0999 FAX: 713 308-3886
PROJECT NAME/LOCATION: BI SERVICES / ARLESIA, NM
PROJECT NUMBER: 2988-09
PROJECT MANAGER: RICK REXROAD

REPORT TO: RICK REXROAD
INVOICE TO: RICK REXROAD
P.O. NO. _____
EPIC QUOTE NO. _____

SAMPLED BY: L. JENKINS
PRINT NAME: TMOT14
SIGNATURE: *[Signature]*

ANALYSES:
and Type of Containers

DATE	TIME	SAMPLE CODE/DESCRIPTION	MATRIX	GRAB	COMP	IS	NO ₂	NO ₃	OTHER
3/6/97	0905	TW-N-E	S	✓					
3/6/97	0915	TW-E-E	S	✓					
3/6/97	0925	TW-S-3	S	✓					
3/6/97	0935	TW-W4	S	✓					
3/6/97	0945	TW-STK-E	S	✓					
3/6/97	0955	TW-QTK-W	S	✓					

To assist us in selecting the proper method
 Is the work being conducted for regulatory compliance monitoring? Yes ___ No ___
 Is the work being conducted for regulatory enforcement action? Yes ___ No ___
 Which regulations apply: RCRA ___ NPDES Wastewater ___
 UST ___ Drinking Water ___
 Other: ___ Name: ___

COMMENTS:
Rush
Hold
Best results -
Best results -
*1 low white
mil. powder -

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
 FIELD FILTERED? YES / NO
 COC SEALS PRESENT AND INTACT? YES / NO
 VOLATILES FREE OF HEADSPACE? YES / NO
 TEMPERATURE UPON RECEIPT: 4°C
 Bottles supplied by EPIC? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA
 I REQUEST EPIC TO DISPOSE OF ALL SAMPLE REMAINDERS

RECEIVED BY: Alan J. Fan 830 DATE: 3/7/97 TIME: 0930
 RECEIVED FOR EPIC BY: Barbara Walker DATE: 3/7/97 TIME: 0915

REMARKS: Alan J. Fan 830



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

October 13, 1997

Mr. Tim Jenkins
BROWN and CALDWELL
1415 Louisiana
Houston, TX 77002

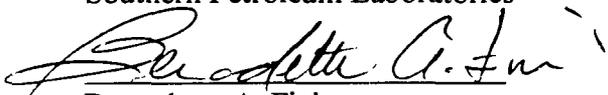
The following report contains analytical results for samples received at Southern Petroleum Laboratories (SPL) on October 9, 1997. The samples were assigned to Certificate of Analysis No.(s) 9710469 and analyzed for all parameters as listed on the chain of custody.

There were no analytical problems encountered with this group of samples and all quality control data was within acceptance limits.

If you have any questions or comments pertaining to this data report, please do not hesitate to contact me. Please reference the above Certificate of Analysis No. during any inquiries.

Again, SPL is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Southern Petroleum Laboratories


Bernadette A. Fini
Project Manager



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SOUTHERN PETROLEUM LABORATORIES, INC.

Certificate of Analysis Number: 97-10-469

Approved for Release by:


Bernadette A. Fini, Project Manager

10-14-97
Date:

Greg Grandits
Laboratory Director

Idelis Williams
Quality Assurance Officer

The attached analytical data package may not be reproduced except in full without the express written approval of this laboratory.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

Certificate of Analysis No. H9-9710469-01

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 10/11/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown Caldwell
 SAMPLE ID: FI Composite 14 in.

PROJECT NO:
 MATRIX: OTHER
 DATE SAMPLED: 10/07/97 09:10:00
 DATE RECEIVED: 10/09/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Petroleum Hydrocarbons-Diesel	6700	800 P	mg/kg
Surrogate n-Pentacosane	% Recovery D		
Method Modified 8015A*** for Diesel			
Analyzed by: RR			
Date: 10/10/97 10:11:00			
Sonication Extraction	10/09/97		
Method 3550A ***			
Analyzed by: TC			
Date: 10/09/97 12:00:00			

(P) - Practical Quantitation Limit D - Diluted, limits not applicable.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from C10-C24
 that do resemble a diesel pattern. (C10-C24) RR

QUALITY ASSURANCE: These analyses are performed in accordance
 with EPA guidelines for quality assurance.



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

Certificate of Analysis No. H9-9710469-02

Brown and Caldwell
 1415 Louisiana
 Houston, TX 77002
 ATTN: Tim Jenkins

DATE: 10/11/97

PROJECT: BJ-Artesia
 SITE: Artesia, New Mexico
 SAMPLED BY: Brown Caldwell
 SAMPLE ID: N.Fence Line

PROJECT NO:
 MATRIX: OTHER
 DATE SAMPLED: 10/07/97 09:58:00
 DATE RECEIVED: 10/09/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Petroleum Hydrocarbons-Diesel	54	4.0 P	mg/kg
Surrogate n-Pentacosane	% Recovery 132		
Method Modified 8015A*** for Diesel Analyzed by: RR Date: 10/10/97 10:57:00			
Sonication Extraction	10/09/97		
Method 3550A *** Analyzed by: TC Date: 10/09/97 12:00:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from C14-C24 that do not resemble a diesel pattern. (C10-C24) RR

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.



Certificate of Analysis No. H9-9710469-03

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Tim Jenkins

DATE: 10/11/97

PROJECT: BJ-Artesia
SITE: Artesia, New Mexico
SAMPLED BY: Brown Caldwell
SAMPLE ID: FI Composite 4.5 ft.

PROJECT NO:
MATRIX: OTHER
DATE SAMPLED: 10/07/97 10:35:00
DATE RECEIVED: 10/09/97

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Petroleum Hydrocarbons-Diesel	2600	800 P	mg/kg

Surrogate

n-Pentacosane
Method Modified 8015A*** for Diesel
Analyzed by: RR
Date: 10/10/97 10:11:00

% Recovery
D

Sonication Extraction
Method 3550A ***
Analyzed by: TC
Date: 10/09/97 12:00:00

10/09/97

(P) - Practical Quantitation Limit D - Diluted, limits not applicable.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Sample contains petroleum hydrocarbons from C10-C24
that do resemble a diesel pattern. (C10-C24) RR

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.

QUALITY CONTROL

DOCUMENTATION



SPL BATCH QUALITY CONTROL REPORT **
Method Modified 8015A***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: mg/kg

Batch Id: HP_V971010044500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) ‡ Recovery Range
			Result <1>	Recovery ‡	
Diesel	ND	166	170	102	77 - 145

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
DIESEL	54	166.0	160	63.9	157	62.0	3.02	50	21 - 175

Analyst: RR

Sequence Date: 10/10/97

SPL ID of sample spiked: 9710469-02A

Sample File ID: V_J7150.TX0

Method Blank File ID:

Blank Spike File ID: VVJ7144.TX0

Matrix Spike File ID: VVJ7150.TX0

Matrix Spike Duplicate File ID: VVJ7151.TX0

* = Values Outside QC Range. † = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

‡ Recovery = [(<1> - <2>) / <3>] x 100

LCS ‡ Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical Data (1st Q '97)

(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9710469-03A 9710469-01A 9710469-02A

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST

SPL Houston Environmental Laboratory

Sample Login Checklist

Date: 10/9/97	Time: 1030
--	---

SPL Sample ID:

9710469

		Yes		No
1	Chain-of-Custody (COC) form is present.	✓		
2	COC is properly completed.	✓		
3	If no, Non-Conformance Worksheet has been completed.			
4	Custody seals are present on the shipping container.	✓		
5	If yes, custody seals are intact.	✓		
6	All samples are tagged or labeled.	✓		
7	If no, Non-Conformance Worksheet has been completed.			
8	Sample containers arrived intact	✓		
9	Temperature of samples upon arrival:		4	C

10	Method of sample delivery to SPL:	SPL Delivery			
		Client			
		FedEx			
11	Method of sample disposal:	SPL E			
		HOLL			
		Return			

Beg Box

3:00 PM

Do NOT Run BTEX

Per Tim J.

10/10

709420

Name: Ruben Esteban

(101919)



**ANALYTICAL RESULTS FOR
BROWN & CALDWELL
ATTN: TIM JENKINS
1415 LOUISIANA, SUITE 2500
HOUSTON, TX 77002**

Receiving Date: 10/07/97
Reporting Date: 10/08/97
Project Number: NOT GIVEN
Project Name: BJ ARTESIA-SOIL EXC.
Project Location: BJ ARTESIA
Sample ID: N. FENCE LINE
Lab Number: H3247-2

FAX TO: 713-759-0952 or
713-308-3886

Analysis Date: 10/07/97
Sampling Date: 10/07/97
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

EPA 8015M - (mg/Kg)	Sample Result H3247-2	Method Blank	True Value		
			QC	%IA	QC
C-8 n-Octane	<1.0	<1.0	96.1	96	100
C-9 n-Nonane	<1.0	<1.0	112	112	100
C-10 n-Decane	<1.0	<1.0	116	116	100
C-11 n-Undecane	<1.0	<1.0	112	112	100
C-12 n-Dodecane	<1.0	<1.0	118	118	100
C-13 n-Tridecane	<1.0	<1.0	90.4	90	100
C-14 n-Tetradecane	<1.0	<1.0	91.1	91	100
C-15 n-Pentadecane	<1.0	<1.0	90.5	91	100
C-16 n-Hexadecane	<1.0	<1.0	112	112	100
C-17 n-Heptadecane	<1.0	<1.0	111	111	100
C-18 n-Octadecane	<1.0	<1.0	108	108	100
C-19 n-Nonadecane	<1.0	<1.0	104	104	100
C-20 n-Eicosane	<1.0	<1.0	101	101	100
C-21 n-Heneicosane	<1.0	<1.0	106	106	100
C-22 n-Docosane	<1.0	<1.0	104	104	100
C-23 n-Tricosane	<1.0	<1.0	110	110	100
C-24 n-Tetracosane	<1.0	<1.0	98.9	99	100
C-25 n-Pentacosane	<1.0	<1.0	98.2	98	100
C-26 n-Hexacosane	<1.0	<1.0	98.2	98	100
C-27 n-Heptacosane	<1.0	<1.0	109	109	100
C-28 n-Octacosane	<1.0	<1.0	109	109	100
Total n-Alkanes	<1.0	<1.0	2195	105	2100
Diesel Range Organics	281	<10			

METHOD: EPA SW 846-8015 M (gc/ms)

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

10/15/97
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 BROWN & CALDWELL
 ATTN: TIM JENKINS
 1415 LOUISIANA, SUITE 2500
 HOUSTON, TX 77002
 FAX TO: 713-759-0952 or

Receiving Date: 10/07/97
 Reporting Date: 10/08/97
 Project Number: NOT GIVEN
 Project Name: BJ ARTESIA-SOIL EXC.
 Project Location: BJ ARTESIA

713-308-3886

Sampling Date: 10/07/97
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/07/97	10/07/97	10/07/97	10/07/97
H3247-1	FI COMPOSITE 14"	0.217	0.034	0.163	0.383
H3247-3	FI COMPOSITE 4.5'	0.208	0.067	0.117	0.197
Quality Control		0.096	0.092	0.088	0.263
True Value QC		0.090	0.090	0.089	0.260
% Accuracy		106	102	98.8	101
Relative Percent Difference		3.7	2.7	2.7	0.8

METHOD: EPA SW 846-8020, 5030, Gas Chromatography

Burgess J. A. Cooke
 Chemist

10/8/97
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

APPENDIX D

Waste Disposal Permit and Manifests

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR BJ Services Company, U.S.A.

ADDRESS 8701 New Trails Drive, The Woodlands, TX 77381

GENERATING SITE 2401 Sivley, Artesia, New Mexico 88210

COUNTY Eddy STATE New Mexico

TYPE OF WASTE TPH Impacted Soil

ESTIMATED VOLUME 600 Cubic Yards of Soil

GENERATING PROCESS Soil Generated During the Demolition

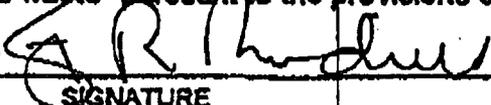
of the Acid Dock Facility.

REMARKS _____

NMOCD FACILITY CONTROLLED RECOVERY INC.

TRUCKING COMPANY Valley Construction

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

AGENT 
SIGNATURE

NAME Steven R. Birdwell
PRINTED

ADDRESS Remedial Construction Services, Inc.
9720 Derrington

Houston, TX 77064

DATE 9/12/97

Records, NM 88241-1980
District II - (505) 244-2000
District III - (505) 234-1178
1000 Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

RECEIVED
SEP 29 1997
OIL CONSERVATION DIVISION

Minerals and Natural Resources Department
Oil Conservation Division
2040 South Parkers Street
Santa Fe, New Mexico 87505
(505) 827-7131

Minerals and Natural Resources Department

ALL: MARK ASHLEY
cc: MARELYN KIBLER

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator B J Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site Artesia
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Valley Construct
3. Address of Facility Operator P.O. Box 369 Hobbs	8. State NM
7. Location of Material (Street Address or ULSTR) 2401 Sivley, Artesia NM	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical is from the B J Services Artesia facility. The TPH impacted soil was generated by the demolition of the acid dock facility. I have included a certificate of waste and a chain of custody.

ALL: MARK ASHLEY - NMOCB - "COPIES NOT ORIGINAL FROM LAB AT SIVLEY"



09-011

SUBS

Estimated Volume 600 yards by Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE: Billie Churo Manager DATE: 09-16-97
TYPE OR PRINT NAME: Billie Churo TELEPHONE NO. (915) 393-1079

(This space for State Use)
APPROVED BY: [Signature] TITLE: EPIC - EPH DATE: 9/22/97
APPROVED BY: [Signature] TITLE: Biologist DATE: 9/29/97

NON-HAZARDOUS WASTE MANIFEST

No. **0592**

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM 88210

(505)746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - ARTESIA, NM

Permit No. C-138
OLD

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 3 YARDS OF MATERIAL TO CRT HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ RCS 281 / 955 - 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-8-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D & T Back hops
 Address 2001 RR BOX 3607
 City/State LOUINGDON, NM

(505)396-7465
 Telephone No.
3011
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-8-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM 88210

(505) 746 4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY ARTESIA, NM

Permit No. 02D C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids	_____	Tank Bottoms
Completion Fluids	_____	Gas Plant Waste
Contaminated Soil	<u>X</u>	Other Material
		Exempt Fluids
		C117 No.
		Pit No.
DESCRIPTION / NOTES		
<u>HALL YARDS OF MATERIAL TO CRT HALFWAY DISPOSAL & REMEDIATION FACILITY</u>		

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET Backhoe
Address Plains Hwy
City/State Lovington N.Mex.

396-7465
Telephone No.
3013
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-8-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0596

PART I: Generator BJ SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4139
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - ARTESIA, NM

DOD
 Permit No. C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids	_____	Tank Bottoms
Completion Fluids	_____	Gas Plant Waste
Contaminated Soil	<u>X</u>	Other Material
		Exempt Fluids
		C117 No.
		Pit No.
DESCRIPTION / NOTES		
<u>HAUL YARDS OF MATERIAL TO GET HALFWAY DISPOSAL / RECLAMATION FACILITY.</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the the foregoing is true and correct to the best of my knowledge.
[Signature]
 Signature of Generator's Authorized Agent
 Date and time of Shipment 10-8-97

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Valley Con.
 Address INDUSTRIAL PARK P.O. BOX J
 City/State ARTESIA NM.
 Telephone No. 746-2761
 Truck No. 1

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
 Signature of Transporter's Agent
 Date and time of Received 10-8-97

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241
 Telephone No. (505)393-1079

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent
 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM 88210

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - ARTESIA NM

Permit No. 00D C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids	_____	Tank Bottoms
Completion Fluids	_____	Gas Plant Waste
Contaminated Soil	<u>X</u>	Other Material
		Exempt Fluids
		C117 No.
		Pit No.
DESCRIPTION / NOTES		
<u>HAIL YARDS OF MATERIAL TO EXE HALFWAY DISPOSAL & REMEDIATION FACILITY.</u>		

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-7-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

~~Name [Signature]~~
~~Address LOUINGTON~~
~~City/State N.M.~~

505-397-2465
Telephone No.
3012
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

112 0589

PART I: Generator BJ Services Co USA
 Address 2401 Sively
 City/State Artesia NM 88210

(505) 746-4189
 Telephone No.

ORGINATION OF WASTE:

Operations Center 2401 Sively - Artesia NM Permit No. C-138
 Property Name Artesia Yard
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

Haul 24 yds. Yards of material to C.R.T. - Halfway disposal & remediation facility.

Contact: Kathryn at Remedial Construction 281/955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the the foregoing is true and correct to the best of my knowledge.
[Signature] Signature of Generator's Authorized Agent 10-9-97 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Escorted Reza III 746-2761 Telephone No.
 Address Industrial Park P.O. Box 5
 City/State Artesia NM #18 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature] Signature of Transporter's Agent 10-8-97 9:15 AM Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc. (505)393-1079 Telephone No.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.
 _____ Signature of Facility Agent _____ Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator B5 SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM 88210

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY ARTESIA - NM

Permit No. OCID C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

HAUL 22 YARDS of MATERIAL DESCRIPTION NOTES - HALFWAY DISPOSAL
REMEDICATION FACILITY

CONTACT: KATHY W @ RGS 281 955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RASAT SOTO TRUCKING
Address 311 W HARRISON
City/State LOVINGTON NEW MEX.

396-7410
Telephone No.
113
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10/8/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

N2 0611

PART I: Generator BS SERVICES CO. USA
 Address 2401 SWEELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORGINATION OF WASTE:

Operations Center 2401 SWEELY

Permit No. OCID C-138

Property Name BS SERVICE ARTESIA YD.
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____
DESCRIPTION / NOTES		
<u>HAUL 24 YARDS TO CRT - HALFWAY DISPOSAL</u>		
<u>REMEDIATION FACILITY</u>		

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-7-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Environmental Services
 Address Industrial Park ALCOA P.O. Box 5
 City/State ARTESIA, NM

746-2
 Telephone No.
18
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BJ SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

505 15746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. CC10 C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HALL 24 YARD DEBRIS MATERIAL TO CRE - HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT KATHY @ ACS 201 955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-7-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET TRUCKING
Address LOUNGTON
City/State NEW MEXICO

505 396 7425
Telephone No.
3013
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NE 0605

PART I: Generator BJ SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY
Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

Permit No. 000
C-138

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____ Tank Bottoms _____ Exempt Fluids _____
Completion Fluids _____ Gas Plant Waste _____ C117 No. _____
Contaminated Soil X Other Material _____ Pit No. _____

DESCRIPTION / NOTES

HAUL 24 YARDS OF MATERIAL TO CRE - HALFWAY DISPOSAL
& REMEDIATION FACILITY.

CONTACT: KATHY @ NCS 281 955 2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-7-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DST TRUCKING
Address LOMBARD, NM
City/State NEW MEXICO

505 306-7425
Telephone No.
3011
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator B3 SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM 88210

(505) 746-4189
Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY - ARTESIA, NM

Permit No. OC D 6-138

Property Name ARTESIA - YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____
<u>HAULTRUCKS OF MATERIAL TO CRT - HALFWAY DISPOSAL & PENNATION FACILITY</u>		
DESCRIPTION / NOTES		
CONTACT: <u>KATHRYN @ RLS 281/955-2442</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
Signature of Generator's Authorized Agent
8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Rafael Soto Trucking
Address 311 W. HARRISON
City/State Lovington New Mex.

505-396-7410
Telephone No.
#?
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
Signature of Transporter's Agent
10/18/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BJ SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4139
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - ARTESIA, NM

02D
Permit No. C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES
HAUL YARDS OF MATERIAL TO GET HALFWAY DISPOSAL RECLAMATION FACILITY.

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
Signature of Generator's Authorized Agent
10-8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Valley Con.
Address INDUSTRIAL PARK P.O. BOX J
City/State ARTESIA NM.
746-2761
Telephone No.
1
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
Signature of Transporter's Agent
10-8-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241
(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

112 0597

PART I: Generator B5 SERVICES CO. USA
 Address 2401 SILVEY
 City/State ARTESIA, NM

(505) 746 4189
 Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SILVEY - ARTESIA

Permit No. 000 C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL YARDS OF MATERIAL TO CRI - HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT KATHYNE DCS 281-955 2440

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-8-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name B&T
 Address WINSTON
 City/State NM

505 396-7425
 Telephone No.

5012
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BJ SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. D & D C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 20 YARDS OF MATERIAL TO ONE - HALFWAY DISPOSAL
REMENTION

CONTACT VATTIMAN @ IPCS 281 955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
Signature of Generator's Authorized Agent
10-8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name Dally Con.
Address ARTESIA INDUSTRIAL PARK BOX J
City/State ARTESIA N.M.
Telephone No. _____
Truck No. 1

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
Signature of Transporter's Agent
Date and time of Received _____

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc. (505)393-1079
Address P.O. Box 369 Telephone No.
City/State Hobbs, NM 88241

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.
Signature of Facility Agent _____ Date and time of Received _____

NON-HAZARDOUS WASTE MANIFEST

NO 0599

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(805) 746 9989
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - ARTESIA

Permit No. OCB C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HALL YARDS OF MATERIAL TO BE HALFWAY DISPOSAL
REMEDATION FACILITY

CONTACT KATHY @ RLS 281 955 - 2447

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-8-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name G + T
Address Hobbs, NM
City/State N.M.

505-396-742
Telephone No.
3012
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0600

PART I: Generator BJ SERVICES CO. USA
 Address 2401 SIVELY
 City/State _____

(805) 746-4489
 Telephone No.

ORGINATION OF WASTE:

Operations Center 2401 SIVELY

ocd
 Permit No. C-138

Property Name ARTS IN 40
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	CI17 No. _____
Contaminated Soil <u>✓</u>	Other Material _____	Pit No. _____
DESCRIPTION / NOTES		
<u>HALL YARDS OF MATERIAL TO CRI - HALFWAY DISPOSAL</u>		
<u>REMEDATION.</u>		
<u>CONTACT: KATHY @ RCS 281 955-2447</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature] _____ 10-8-97
 Signature of Generator's Authorized Agent Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D&T Backhoe
 Address RR1 Box 3607
 City/State Lawington nm

(505) 396-7405
 Telephone No.
3011
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature] _____ _____
 Signature of Transporter's Agent Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

812 0601

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 7746-7189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. 00D
C-138

Property Name BS ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YARDS TO CRI - HALLOWAY DISPOSAL - REMEDIATION
FRIGIDITY

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RITAEI SOTO
Address 311 WILKINSON
City/State LOVINGTON, NM

(505) 396-7410
Telephone No.
3
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10/9/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0602

PART I: Generator B3 SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center BATESIA YARD - 2401 SIVELY

Permit No. OCT 2-138

Property Name B3 ARTESIA
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds of material to CCLF HALFWAY DISPOSAL
REMEDATION FACILITY.

CONTACT: KATHRYN @ ZCS 281 955-2492

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
 Address RR1 BOX 3607 PLAINS HWY
 City/State LIVINGSTON, NM

505 396-7425
 Telephone No.
3013
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

No 0603

PART I: Generator BS SERVICE CO. USA
 Address 2401 SWEELY
 City/State _____

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SWEELY
 Property Name ARTESIAN YARD
 (Well, Tank Battery, Plant, Facility)

DCD
 Permit No. C-138

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <input checked="" type="checkbox"/>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HAUL 22 YARDS OF MATERIAL TO CRE-HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ RCS 281 955-2842

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DIT TRUCKING
 Address LOUINBTON
 City/State NEW MEXICO

505-396-7425
 Telephone No.
3012
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

[Signature]
 Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO USA
Address 2401 SIVELY
City/State ARTESIA NM 88210

(505)746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY
Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

Permit No. OCP
C-138

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____ Tank Bottoms _____ Exempt Fluids _____
Completion Fluids _____ Gas Plant Waste _____ C117 No. _____
Contaminated Soil X Other Material _____ Pit No. _____

DESCRIPTION / NOTES

HALL 24 YARDS OF MATERIAL TO CRI-HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHY @ OCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY TRUCKING
Address INDUSTRIAL PARK ARTESIA
City/State ARTESIA, NM

746 2761
Telephone No.
1
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

[Signature]
Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator B3 SERVICE S CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-7189
Telephone No.

ORGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. C-138
^{OLD}

Property Name B3 ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YARD) OF MATERIAL TO CITE HALFWAY DISPOSAL & REMEDIATION FACILITY.

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SOTO TRUCKING
Address 311 WITBORRISON
City/State LOVINGTON, NM

505 396 7410
Telephone No.
3
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10/9/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

№ 0609

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center BS ARTESIA 2401 SIVELY

Permit No. OCD
C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

Haul 24 yds TO CVI HALFWAY DISPOSAL & REMEDIATION FACILITY.

CONTACT KATHRYN RCS 281-955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DOT TRUCKING
 Address LOWMEYER
 City/State NEW MEXICO

505 396 7425
 Telephone No.
3012
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

09
10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

№ 0610

PART I: Generator BS SERVICE CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY

Permit No. 00D C-138

Property Name BS ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YARDS TO CRT HALFWAY DISPOSAL
REMEDICATION FACILITY

CONTACT KATHYAN @ RCS 281 755 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY TRUCKING
Address INDUSTRIAL PARK
City/State ARTESIA, NM

(505) 746-2761
Telephone No.
TK20
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

0613

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS ARTESIA 2401 SIVELY

Permit No. OCD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	CI17 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YARDS OF MATERIAL TO CRT - REMEDIATION
DISPOSAL FACILITY

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D-T
Address RZ 1 BOX 3607 PLAINS HWY
City/State LAWLTON, NM

505 396 7425
Telephone No.
3011
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS ARTESIA

Permit No. OCD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

Haul 24 yards of material to CRE - Halfway Disposal
& Remediation Facility

CONTACT: KATHRYN @ RCS 201-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. Box 1658
City/State ROSWELL, NM

505 746 2761
Telephone No.
7420
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0615

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(905)746-4189
 Telephone No.

ORIGIN OF WASTE:

Operations Center BS ARTESIA

Permit No. OLD C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HAUL 24 YDS OF MATERIAL TO CRTI - HALFWAY DISPOSAL
 & REMEDIATION FACILITY

CONTACT: KATHLYN @ IZCS 221 955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
 Address P.O. BOX 1568
 City/State ROSSWELL, NM

505 746-2761
 Telephone No.

 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

11-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SINGLY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGIN OF WASTE:

Operations Center BS ARTESIA 2401 SINGLY

Permit No. 0CD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YDS TO CRI - HALFWAY DISPOSAL - REMEDIATION FACILITY

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. Box 1568
City/State ROSWELL, NM

505 746-7761
Telephone No.
218
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-7-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SUELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS ARTESIA - 2401 SUELY

Permit No. OCT C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____ Tank Bottoms _____ Exempt Fluids _____
Completion Fluids _____ Gas Plant Waste _____ C117 No. _____
Contaminated Soil X Other Material _____ Pit No. _____

HAUL 24 YARDS TO CITE REMEDIATION FACILITY DESCRIPTION / NOTES HALLOWAY DISPOSAL
CONTACT: KATHYAN @ 281 955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address P.O. BOX 3607 PLAINS HWY
City/State LIV. OILTON, NM

(505) 396-1425
Telephone No.
3013
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NR 0619

PART I: Generator BJ SERVICES CO. USA
Address 2101 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BJ ARTESIA 2401 SIVELY

DCD
Permit No. C-138

Property Name ARTESIA FACILITY
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____ Tank Bottoms _____ Exempt Fluids _____
Completion Fluids _____ Gas Plant Waste _____ C117 No. _____
Contaminated Soil X Other Material _____ Pit No. _____

DESCRIPTION / NOTES

HAWK 24 YARDS TO CRI HALFWAY DISPOSAL RECLAMATION FACILITY

CONTACT KATHYAN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name BJT
Address RR 1 BOX 3607 PERINS HWY
City/State LAWLOR, NM

(505) 396-1425
Telephone No.

3012
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-77
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0625

PART I: Generator BS SERVICES CO. USA
 Address 2401 SILVEY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center BS SERVICES 2401 SILVEY

Permit No. _____

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

Haul 24 yds to CHE HIGHWAY DISPOSAL RECLAMATION FACILITY

CONTACT: KATHRYN O RES 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
 Address P.O. BOX 1568
 City/State ROSSWELL, NM

(505) 746-2761
 Telephone No.

 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505) 393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NR 0626

PART I: Generator BJ SERVICES CORP
 Address 2401 SILVEY
 City/State ALTESIM, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center BJ SERVICES 2401 SILVEY

Permit No. OCN C-158

Property Name ALTESIM, NM
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HAUL 24 yds TO CRT HIGHWAY DISPOSAL RECLAMATION FACILITY

CONTACT: KATHINNA @ RES 1201-955-2441

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10/9/97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
 Address P.O. Box 1568
 City/State ROSSWELL, NM

(505) 746-2761
 Telephone No.
7420
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505) 393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NR 0628

PART I: Generator BS SERVICES CO. USA
 Address 2401 SILVEY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SILVEY

Permit No. OCN C-138

Property Name ARTESIA FACILITY
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>x</u>	Other Material _____	Pit No. _____
DESCRIPTION / NOTES		
<u>HALL 24 yds TO CEI HALFWAY DISPOSAL ; REMEDIATION FACILITY</u>		
<u>CONTACT KATHRYN @ PIS 281-955-2442</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature] _____ 10-9-97
 Signature of Generator's Authorized Agent Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D&T
 Address RR1 BOX 3607 PLAINS HWY
 City/State LOVINGTON, NM

(505) 396-1425
 Telephone No.
3011
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature] _____ 10-9-97
 Signature of Transporter's Agent Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0629

PART I: Generator B3 SERVICES CO, USA
Address 2401 SILVER
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SILVER

Permit No. 0CP
E-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 2Y YDS TO CRI HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT KATHRYN @ RES 201 955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D.T
Address RR 1 BOX 3607 PLAINS HWY
City/State LOLLINGTON, NM

(505) 396-1425
Telephone No.
3011
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0630

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY-BS

Permit No. C-138
 OCT

Property Name ARTESIA, NM
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRE HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SOTO
 Address 311 WILKINSON
 City/State LOUINGTON, NM

505 396 7410
 Telephone No.
3
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10/9/97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NR 0631

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY

Permit No. OCN C-138

Property Name ARTESIA YARD
 (Well, Tank, Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HAUL 24 yds TO EKE HALFWAY DISPOSAL - REMEDIATION FACILITY

CONTACT: KATHRYN @ 281-955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D-T
 Address RR 1 Box 3607 Plains Hwy
 City/State LWINSTON, NM

505 396 1425
 Telephone No.

Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

No 0632

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OLD C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRT HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ 281-955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DIT
 Address RRI BOX 3007 PLAINSHAY
 City/State WINNINGTON, NM

505 396 1425
 Telephone No.
3013
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

№ 0633

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS SERVICES - 2401 SIVELY

Permit No. OCD C-138

Property Name ARTESIA, NM
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	<u>1</u>
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HALL 24 YDS TO CRI HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. Box 1568
City/State ROSSELL, NM

(505) 746-2761
Telephone No.
18
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

12 0634

PART I: Generator D-T SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OCID
C-138

Property Name ARTESIA FACILITY
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	<u> </u>	Tank Bottoms	<u> </u>	Exempt Fluids	<u> </u>
Completion Fluids	<u> </u>	Gas Plant Waste	<u> </u>	C117 No.	<u> </u>
Contaminated Soil	<u>x</u>	Other Material	<u> </u>	Pit No.	<u> </u>

DESCRIPTION / NOTES

HALL 24 YDS TO CRJ HALFWAY DISPOSAL / REMEDIATION FACILITY.

CONTACT: KATHLYN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D&T
 Address RR1 BOX 3607 PLAINS HWY
 City/State LOUINGTON, NM

(505) 396-1425
 Telephone No.

Truck No. _____

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505) 393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

No 0636

PART I: Generator B S SERVICES CO. USA
Address 2401 SILVEY
City/State ARTESIA, NM

(855) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SILVEY

Permit No. OCN C-138

Property Name ARTESIA NM
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YDS TO LAI HALLOWAY DISPOSAL REMEDIATION FACILITY

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SOTO
Address 311 WILSON
City/State LOUISIANA, NM

505 396 7410
Telephone No.
#3
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10/9/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. U.S.A.
Address 2401 SILVEY
City/State ANTESIA

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS SERVICES ANTESIA

Permit No. 020
2-138

Property Name ANTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CITE HALFWAY DISPOSAL & REMEDIATION FACILITY

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. BOX 1568
City/State ROSWELL, NM

505 746-2761
Telephone No.
1
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0638

PART I: Generator BS SERVICES CO, USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY

Permit No. OC
C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)					
Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____
DESCRIPTION / NOTES					
<u>Haul 24yds TO CRT HALFWAY DISPOSAL & REMEDIATION FACILITY</u>					

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
 Signature of Generator's Authorized Agent
10-9-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DIT
 Address RR 1 BOX 3607 PLAINS Hwy
 City/State LIVINGSTON, NM

(505) 396-1425
 Telephone No.
3013
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
 Signature of Transporter's Agent
10-9-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:
 Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505) 393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

10 0639

PART I: Generator B3 SERVICES Co. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OLD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAWK 24 YDS TO CRI HALLOWAY DISPOSAL & REMEDIATION FACILITY

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DST
Address RR1 BOX 3607 PLAINS HWY
City/State LOBBINGHER, NM

(505) 396-1425
Telephone No.
3011
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-9-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0640

PART I: Generator BJ SERVICES CO.
Address 2401 SWEELY
City/State ANTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SWEELY

Permit No. OCDC-138

Property Name ANTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)					
Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____
DESCRIPTION / NOTES					
<u>HAN 24 yds TO CRT HALFWAY DISPOSAL & REMEDIATION FACILITY</u>					

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-9-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SOTO
Address 311 WILKINSON
City/State LAWINGTON, NM

505 396-7410
Telephone No.
#3
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10/8/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

N2 0656

PART I: Generator BJ SERVICES CO. USA
Address 2401 SUELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SUELY

DCD
Permit No. C-138

Property Name ARTESIA TARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HALL 24 yds TO CRT HALFWAY DISP. & REM. FACILITY

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

Scott Newman
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address RR 1 BOX 3607 PLAINS HWY
City/State LOVINGTON, NM

(505) 396-1425
Telephone No.
3011
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

Samuel Rodriguez
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SWEELY
City/State ARTESIA, NM

(505) 746-4184
Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SWEELY

Permit No. 000 C-138

Property Name ARTESIA, NM
(Well, Tank, Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRT HALFWAY - DISP. REM. FACILITY.

CONTACT: KATHRYN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address RR1 Box 3107 PLAINS HWY
City/State _____

(505) 396-1425
Telephone No.
3012
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0653

PART I: Generator BS SERVICES CO. USA
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

OCD
 Permit No. C-138

Property Name ARTESIA, NM
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>Y</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAVE 24 YDS TO CITE - HALFWAY DISP. REM. FACILITY

CONTACT: KATHY @ 281 955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

Matt Newman
 Signature of Generator's Authorized Agent

10-10-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name ~~FRANK SOTO DST~~
 Address 301 WASHINGTON RD BOX 3007
 City/State LOVINGTON, NM

505 396 7410
 Telephone No.
#3011
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

Joseph Ruff
 Signature of Transporter's Agent

10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

0651

PART I: Generator BJS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OLD C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 21 YDS TO CRT-HALFWAY DISPOSAL & REMEDIATION FACILITY.

CONTACT: KATHYNN @ RCS 281 955 2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-10-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DIT RRI Box 3607 TRAINS WY
Address _____
City/State LOMBARD, NM

(505) 396-1425
 Telephone No.
3012
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0617

PART I: Generator BS SERVICES CO
 Address 2401 SIVELY
 City/State ARTESIA, NM

(505) 746-4189
 Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY - BS

Permit No. OC D C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

Haul 24 YARDS TO CRE - HALFWAY DISPOSAL - RECLAMATION FACILITY

CONTACT: KATHY @ ACS 201-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-10-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SUTO
 Address 311 W. WILSON
 City/State ALBUQUERQUE, NM

505 396 7410
 Telephone No.
3
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10/10/97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

N2 0621

PART I: Generator BS SERVICES CO. USA
Address 2401 SILVER
City/State ARTESIA, NM

()
 Telephone No. _____

ORIGINATION OF WASTE:

Operations Center BS SVS. 2401 SILVER

Permit No. 027 C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT.,LBS., UNITS, ETC.)		
Drilling Fluids	_____	Tank Bottoms
Completion Fluids	_____	Gas Plant Waste
Contaminated Soil	<u>X</u>	Other Material
Exempt Fluids	_____	C117 No.
		Pit No.
DESCRIPTION / NOTES		
<u>HAUL 21 yds TO CRI HALFWAY DISPOSAL & REMEDIATION FACILITY</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
 Signature of Generator's Authorized Agent
 Date and time of Shipment 10-10-97

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. BOX 1566
City/State ROSSELL, NM

505 746 2761
 Telephone No.
1
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
 Signature of Transporter's Agent
 Date and time of Received 10-10-97

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent
 Date and time of Received _____

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO, USA
Address 2401 SILVEY
City/State ANTECIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center BS SERVICES 2401 SILVEY

OCT
Permit No. C-138

Property Name ANTECIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 YDS TO CRE HAIRWAY DISPOSAL - REMEDIATION FACILITY
CONTACT: KATHRYN @ RES 281-955-2142

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
Signature of Generator's Authorized Agent
10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address 701 BIL 1568
City/State ROSSWELL, NM

505 746 2761
Telephone No.
[Signature]
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
Signature of Transporter's Agent
10-10-97 8:00 AM
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NE 0623

PART I: Generator BS SERVICES CO. USA
Address 2401 SILVEY
City/State ARTESIA, NM

(505) 746-4130
 Telephone No.

ORIGINATION OF WASTE:

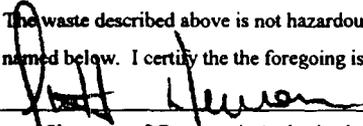
Operations Center 2401 SILVEY

OCID
 Permit No. C-138

Property Name ARTESIA WELLS
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)		
Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____
DESCRIPTION / NOTES		
<u>HAVE 24 YDS TO CITY HALFWAY DISPOSAL & REMEDIATION FACILITY</u>		

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.



 Signature of Generator's Authorized Agent

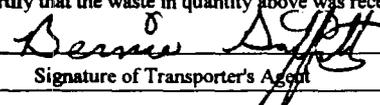
10-10-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name VALLEY
Address P.O. Box 1568
City/State ROSSELL, NM

505 746 2761
 Telephone No.
TK2U
 Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.



 Signature of Transporter's Agent

10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

No 0624

PART I: Generator BS SERVICES CO. USA
 Address 2401 SILVEY
 City/State ARTESIA, NM

(505) 746 4189
 Telephone No.

ORGINATION OF WASTE:

Operations Center BS 2401 SILVEY

Permit No. 020
C-138

Property Name ARTESIA YARD
 (Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids _____	Tank Bottoms _____	Exempt Fluids _____
Completion Fluids _____	Gas Plant Waste _____	C117 No. _____
Contaminated Soil <u>X</u>	Other Material _____	Pit No. _____

DESCRIPTION / NOTES

HAUL 24 YARDS TO CRI HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHY@PCS 281-955-2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
 Signature of Generator's Authorized Agent

10-10-97
 Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D.T.
 Address RR1 BOX 3607 TRAILS HWY
 City/State LOUISBURG, NM

505 396 1425
 Telephone No.
3012
 Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
 Signature of Transporter's Agent

10-10-97
 Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
 Address P.O. Box 369
 City/State Hobbs, NM 88241

(505)393-1079
 Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

 Signature of Facility Agent

 Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

No 0627

PART I: Generator BS SERVICES CO. USA
Address 2401 SILVER
City/State ANTESIA, NM

(505) 746-4139
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SILVER

Permit No. 02D C-138

Property Name ANTESIA rd
(Well, Tank, Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

NAHU 24 yds TO CRJ HILFWAY DISPOSAL - REMEDIATION - ACTIVITY.

CONTACT: KATHY (C) 281 955 2442

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address Rt 1 BOX 3607 PLAINS HWY
City/State LAWINGTON, NM

(505) 396-1425
Telephone No.
3011
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

0641

PART I: Generator B S SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-489
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OCD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HALL 24 yds TO CRE HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ RES 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

Dott Newman
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D.T
Address RR 1 BOX 3607 PLAINS HWY
City/State LOVINGTON, NM

(505) 396-1425
Telephone No.
9-10-97
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

D. Sharp
Signature of Transporter's Agent

Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

MR 0643

PART I: Generator B3 SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SIVELY

Permit No. OCT C-138

Property Name ARTESIA YARD
(Well, Tank, Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRT - HALFWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHYAN @ RCS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D&T
Address RRI BOX 3607 PLAINS HWY
City/State LOVINGTON, NM

(505) 396-1425
Telephone No.
3013
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

№ 0644

PART I: Generator BS SERVICE CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. OCD C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HALL 24 yds TO CRT - HALFWAY DISPOSAL & RECLAMATION FACILITY.

CONTACT: KATHRYN @ RES 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address RR 1 BOX 3607 PLAINS Hwy
City/State LOLLIBGTON, NM

505 396 1425
Telephone No.
3012
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NR 0645

PART I: Generator BS SERVICES CO. USA
Address 2401 SURELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SURELY

Permit No. OCT C-138

Property Name ARTESIA YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRE-HIGHWAY DISPOSAL & REMEDIATION FACILITY

CONTACT: KATHRYN @ ACS 231 955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name D.T.
Address Rt. 1 Box 3607 PEARNS HNGY
City/State WINNEDON, NM

(505) 396 1425
Telephone No.
3011
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

NO 0646

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746 4189
Telephone No.

ORGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. C-138 ^{OCD}

Property Name ARTESIA, NM
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>x</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CITE - HALIFAX DISPOSAL + REMEDIATION FACILITY

CONTACT: KATHY @ KS 281-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-92
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address RR1 BOX 3607 PLAINS HWY
City/State LOVINGTON, NM

3011
Telephone No.
(505) 396-1425
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-92
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

PART I: Generator BS SERVICES CO. USA
Address 2401 SIVELY
City/State ARTESIA, NM

(505) 746-4189
Telephone No.

ORIGINATION OF WASTE:

Operations Center 2401 SIVELY

Permit No. 0CD
C-138

Property Name ARTESIA, NM - YARD
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRI - HALFWAY DISPOSAL & RECLAMATION FACILITY

CONTACT KATHY @ CRI 201-955-2442

CERTIFICATION: The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.
[Signature]
Signature of Generator's Authorized Agent
10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name RAFAEL SOTO
Address 311 WILSON
City/State LUBBOCK, NM

(505) 396 7410
Telephone No.
#3
Truck No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the destination below.
[Signature]
Signature of Transporter's Agent
10/10/97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505) 393-1079
Telephone No.

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received

NON-HAZARDOUS WASTE MANIFEST

119

PART I: Generator BS SERVICES CO USA
Address 2401 SUELY
City/State ARTESIA, NM

(505) 746-4187
Telephone No.

ORIGIN OF WASTE:

Operations Center 2401 SUELY

Permit No. Q-138

Property Name ARTESIA, NM
(Well, Tank Battery, Plant, Facility)

WASTE IDENTIFICATION AND AMOUNT (BARRELS, YARDS, TONS, CU.FT., LBS., UNITS, ETC.)

Drilling Fluids	_____	Tank Bottoms	_____	Exempt Fluids	_____
Completion Fluids	_____	Gas Plant Waste	_____	C117 No.	_____
Contaminated Soil	<u>X</u>	Other Material	_____	Pit No.	_____

DESCRIPTION / NOTES

HAUL 24 yds TO CRI - HALFWAY DISPOSAL RECLAMATION FACILITY.

CONTACT: KATHLYN @ PCS 281 955 2412

CERTIFICATION:

The waste described above is not hazardous pursuant to 40 CFR Part 261 and was consigned to the transporter named below. I certify the foregoing is true and correct to the best of my knowledge.

[Signature]
Signature of Generator's Authorized Agent

10-10-97
Date and time of Shipment

PART II: TRANSPORTER: (To be completed in full by Transporter)

Name DET
Address RR 1 Box 3607 TRAVIS Hwy
City/State LINDENBORO NM

(505) 396-1425
Telephone No.
3013
Truck No.

CERTIFICATION:

I certify that the waste in quantity above was received by me for shipment to the destination below.

[Signature]
Signature of Transporter's Agent

10-10-97
Date and time of Received

PART III: DISPOSAL OR RECLAMATION SITE:

Name Controlled Recovery, Inc.
Address P.O. Box 369
City/State Hobbs, NM 88241

(505)393-1079
Telephone No.

CERTIFICATION:

I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and time of Received