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# REPORTS

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STATUS REPORT REMEDIATION WORK AND ROUND 5 LONG-TERM GROUND WATER QUALITY MONITORING DATA RESULTS FOR MAVERIK REFINERY TANK FARM KIRTLAND, NEW MEXICO FOR MAVERIK COUNTRY STORES, INC.

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December 17, 1990

Oil Conservation Division State Land Office Building P.O. Box 2088 Old Santa Fe Trail Santa Fe, New Mexico 87501

Attention: Mr. William Olson

Dear Bill:

Enclosed is a copy of the report, "Status Report Remediation Work and Round 5 Long-Term Ground Water Quality Monitoring Data Results for Maverik Refinery Tank Farm." Pertinent correspondence from the Oil Conservation Division (OCD) is included, and as per your request, the soil/sludge laboratory data and transportation manifests documenting the chemistry, volume and disposal of the excavated (contaminated) soil and sludge and the chemistry of the underlying soils remaining are included.

If you have any questions, please do not hesitate to contact us.

Very truly yours,

DAMES & MOORE

Peter F. Olsen Associate

D. Vandel

Terry D. Vandell Senior Hydrogeologist

PFO/TDV:f1

cc: Mr. William Call Mr. Dave Tomko

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# STATUS REPORT REMEDIATION WORK AND ROUND 5 LONG-TERM GROUND WATER QUALITY MONITORING DATA RESULTS FOR MAVERIK REFINERY AND TANK FARM KIRTLAND, NEW MEXICO FOR MAVERIK COUNTRY STORES, INC.

#### INTRODUCTION

This status report summarizes the remediation work completed to date at the Maverik Refinery and Tank Farm in Kirtland, New Mexico. A general site vicinity map and a location map which show the areas where remediation work has been conducted and the locations of the long-term ground water quality monitoring well sites are included on Plates 1 and 2, respectively. Laboratory data for and documentation of the soils and sludges excavated and the remaining underlying soils are included herein. All of the previous baseline (rounds 1, 2 and 3) and long-term (rounds 1-4) ground water quality monitoring data, and the September 1990 round 5 long-term monitoring data (including the results of duplicate ground water quality samples taken by the Oil Conservation Division [OCD]) are presented. Detailed ground water quality data and contaminant evaluations were presented in previous Dames & Moore reports completed in 1988 and 1989 as referenced.

#### PURPOSE AND SCOPE

The work completed from May through September 1990 was conducted in accordance with the Ground Water Stabilization Plan presented in the July 26, 1990 letter to William Olson of the OCD, with subsequent modifications which included the conditions outlined in the August 13, 1990 letter from William Olson to Dames & Moore (Appendix A). These modifications included the addition of one more monitor well located off-site west-northwest of the slurry wall; in-situ soil aeration and enhancement of biodegradation conditions in the unsaturated soil zone within the slurry wall area; and subsurface soil sampling and subsequent laboratory analyses of a subsurface soil sample taken from a borehole located off-site and downgradient from the refinery.

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The work conducted to date, including this status report, completes the components of the Ground Water Stabilization Plan as shown on Plate 2. Long-term ground water quality monitoring of the 7 on-site and 5 off-site monitor wells will be used to determine the effectiveness of the slurry wall in containing shallow subsurface contamination on-site, and to monitor the water quality inside the slurry wall. All ground water quality data will continue to be submitted to the OCD for review.

Specifically, the work conducted since the August 1990 status report has included the following:

- o Sludge and contaminated soil excavation from 5 on-site locations. Contaminated materials were removed and transported to disposal sites mutually agreed upon by the State of New Mexico OCD and Maverik Country Stores, Inc. Transportation manifests and subsequent disposal records are documented herein. Representative composites of the residual soils were taken from the base and sides of the excavated sites for laboratory analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and xylene (BTEX), and the 8 EP-Toxic metals.
- Collection of an off-site soil sample taken about 200 feet south of the refinery and about 400 feet west of the tank farm at a depth of 9.5 to 10 feet for submittal for laboratory analysis of pH, sulfide and cyanide reactivity, BTEX and leachable metals via the EP-tox test.
- o Soil aeration and enhancement of biodegradation conditions by fertilization and wetting of the upper 3 feet of unsaturated surficial soils within the slurry wall area in the southwestern corner of the tank farm.
- Completion of 7 new monitor wells at locations mutually agreed upon by Dames & Moore and the OCD. Six new monitor wells were located on-site and one was located off-site.
- o Laboratory analysis and data evaluation for round 5 long-term ground water quality monitoring. Splits of selected water quality samples were taken by the OCD.
- o Completion and submittal of this written report to the OCD in compliance with the long-term monitoring requirements.

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#### REMEDIATION WORK

#### SOIL/SLUDGE EXCAVATION AND REMOVAL

Contaminated sludge and soil located on-site at 5 designated locations at the tank farm (Plate 2) were excavated in August and September 1990 by Flint Engineering & Construction Company, Farmington, New Mexico. The work was directed by a Dames & Moore geologist. This material was disposed of at the Envirotech Disposal Site near Bloomfield, New Mexico and at the Conservation Services Incorporated (CSI) site near Bennett, Colorado. The transportation manifests and final invoices which document the volumes of material removed from each site and subsequent disposal locations are included in Appendix B. Results and a brief discussion of the laboratory test results for the soils and sludges that were excavated and removed are included in Appendix C.

As stipulated by the OCD, the sludge and upper 4-inches of underlying soil at the Eastern Sludge Pit were disposed of at CSI. Based on the laboratory data for this sludge and underlying soil, there was no indication that these materials were hazardous. However, because the source of the sludge could not be documented conclusively, the OCD required disposal of this material to CSI. A total of 140 cubic yards of sludge and soil were removed from the Eastern Sludge Pit and disposed of at CSI as a non-hazardous waste.

A total of 1,296 cubic yards of contaminated soils and sludges were removed from the other 4 sites located adjacent to the tanks (Plate 2). These contaminated materials were disposed of at Envirotech's soil remediation site near Bloomfield, New Mexico.

Based on field observations, the lateral extent of the excavations and the volumes of material excavated from Sites 1-5, the average depths of the excavations at each of the 5 sites were about 4 feet at Site 1, 3 feet at Site 2, 10 feet at Site 3, 1 foot of sludge (including the underlying 4-inches of contaminated soil) and 2 feet of underlying soil at Site 5. The initial estimate of the total volume of soil and sludge to be excavated and subsequently removed was about 350 cubic yards. However, the extent of soil contamination both laterally

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and vertically was more extensive and required the removal of an additional 946 cubic yards (for a total of 1296 cubic yards) to the Envirotech Disposal Site.

Following excavation, composited shallow soil samples were taken from each of the 5 sites. The samples were composited from at least 10 different locations on the bottom and sides within each of the excavated sites. The samples were analyzed for TPH, BTEX and the 8 RCRA metals via the EP-Toxic Characteristic Leaching Test. The results are included in Appendix D, Table D-1. The results indicate that the residual soils are within the OCD's criteria for total BTEX. The OCD requires additional clean-up if the concentration of BTEX is greater than 50 ppm. Benzene was not detected (< .05 mg/kg) in any of the samples, and concentrations of ethylbenzene, toluene and xylene were very low and were generally near or at detection limits. Xylene was detected at all of the sites except site 1, with the highest concentration of 34 ug/kg detected at site 3. Concentrations of the leached metals in the soils taken from the 5 sites were below detection limits except for barium. It was detected in all of the samples but at very low concentrations ranging from 0.9 to 1.2 mg/1.

Elevated concentrations of TPH were detected at all five of the sites, with the highest concentrations detected at sites 2 and 3 at 21,000 mg/kg. The TPH concentration at site 1 measured 2,100 mg/kg, at site 4, 2,400 mg/kg, and at site 5, 11,000 mg/kg. As discussed in the Dames & Moore June 1988 Phase II Soils and Solid Waste Report for the subsurface soil and solid waste on-site, high concentrations of semivolatile organics (including bis (2-ethylhexyl) phthlate, 1methyl-naphthalene, naphthalene, phenanthrene and chrysene) were detected in soils/sludges in the northwest corner and in the Eastern Sludge Pit. The elevated levels of TPH are the result of these heavy end products (oils) associated with product from the stove, fuel and crude oil tanks.

Although the OCD's criteria for soil clean-up is 100 ppm TPH, due to the low solubilities of these heavy end products, they are probably not a significant threat to the underlying ground water. Analytical results for semivolatile organics in the ground water (Dames & Moore, January 1989) indicated that of the 8 monitor wells that were tested in October 1988, the concentrations of semivolatiles were below the (low) detection level of 10 ug/1, except in MW-12.

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Napthalene and m,p cresols were detected in MW-12 at very low levels of 33 ug/l and 11 ug/l, respectively. MW-12 was located within the current slurry wall boundaries, near the site of current MW-22.

#### ON-SITE SOIL TREATMENT

Based on the results of the biodegradation feasibility study conducted previously, (see Dames & Moore, Appendix B, February 1990) it was determined that nitrogen and phosphorous were the key nutrients limiting biological growth in the hydrocarbon-contaminated soils at the Maverik-Kirtland tank farm site. Consequently, as part of the remediation work, in August 1990 the upper 3 feet of the unsaturated soils located within the slurry wall were excavated and turned (aerated) using D-6 dozers and backhoes. The soils were then fertilized with 4,000 pounds of ammonium phosphate, aerated again and in September 1990, the upper 6 to 8 inches of soil were saturated with about 11,000 gallons of water obtained from the Lower Valley Water Users Association (see Appendix B for water source and volume documentation). The water was obtained from one of the on-site fire hydrants.

Ammonium phosphate was one of the additives that had been recommended to supply the nutrients required to enhance biodegradation. The 4,000 pounds of ammonium phosphate supplied about 500 pounds of nitrogen and 260 pounds of phosphorous. The amount of fertilizer applied was a balance between the theoretical amount required for complete biodegradation of the petroleum hydrocarbons in the unsaturated zone and field application considerations. Such considerations included the dissolution of the fertilizer in amounts that would exceed the rate at which the nutrients would be utilized by the microbes, and subsequent losses by leaching, volatization or nitrification. Approximately 11,000 gallons of water were added over a two day period. Ponding was kept at a minimum. Additional water from snowmelt this spring should aid in supplying the water required for biodegradation and for dissolution of the nutrients.

Prior to soil fertilization but immediately after the soil had been aerated, three composited shallow soil samples from 10 sample points at depths to 6 inches were taken from the northern (SW-1N), central (SW-2C) and southern

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(SW-3S) parts of the area enclosed by the slurry wall. Laboratory analytical tests for total petroleum hydrocarbon (TPH) contamination were conducted (Appendix D, Table D-1). The results indicate that the TPH concentration of the composited soil sample taken in the southern part of the slurry wall area was low (<10 mg/kg); the composited sample taken from the central part of the slurry wall area had an elevated TPH concentration of 370 mg/kg; and the composited soil sample taken from the northern part had a TPH concentration of 50 mg/kg.

#### NEW MONITOR WELL CONSTRUCTION AND WATER LEVEL DATA

Seven new shallow monitor wells ( ranging in depths from 12 to 15 feet to the top of the first clay zone) were constructed in September 1990 using a hollow stem auger drilling rig (Plate 2). The locations of these wells were approved by the OCD prior to drilling. The new monitor well construction details and well logs are presented in Appendix E. The drill cuttings and split spoon samples indicated, as have all of the previous drill hole data, that the upper zone of the shallow water table aquifer consists of a silty-clayey very fine sand which is underlain by a silty clay zone. The continuity and thickness of the underlying clay were documented prior to slurry wall construction. This information was presented in the previous Dames & Moore report (August 1990).

Six of these new monitor wells were completed on-site, two of which (MW-17 and MW-22) were completed for the purpose of monitoring water quality changes in the upper shallow zone within the slurry wall. These two new wells replaced the shallow monitor wells (MW-12 and the 3 shallow aquifer pump test wells) that had to be grouted in the spring of 1990, prior to slurry wall construction. On-site monitor well MW-18 was completed about 60 feet north of the slurry wall to monitor ground water quality outside and immediately upgradient of the slurry wall. Monitor well MW-21 was located about 20 feet east and outside of the slurry wall boundary to monitor ground water quality and the potential for contaminant migration around the eastern boundary of the slurry wall. The two new on-site monitor wells (MW-20 and MW-19) were completed about 70 feet south of the eastern and western corners of the slurry wall, respectively, to monitor along with existing MW-10, the ground water quality on-site and immediately downgradient of the slurry wall.

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Monitor well MW-16 was completed off-site, about 90 feet west of and about 120 feet south of the northwestern corner of the slurry wall to monitor potential ground water contaminant migration around the northwestern edge of the slurry wall.

A water level elevation contour map (Plate 3) was completed based on water level data obtained in September 1990 from 6 of the 7 new monitor wells (MW-19 water level was measured but the measurement inadvertently was not recorded), and the 5 existing long-term monitor wells (MW-9, 10, 13, 14 and 15). Because water levels in MW-1 and MW-2 were not measured at this time, water level elevation data obtained previously (in October 1988) from MW-1 and MW-2 were considered in the construction of this contour map. The water level elevation contours are similar to those observed previously (see Dames & Moore, January 1989 Plate A-1), and indicate a hydraulic gradient to the south-southwest of about 0.01 ft/ft across the site. This is also equivalent to the topographic gradient across the site. The hydraulic gradient appears to be slightly steeper (about 0.02 ft/ft) off-site towards the west. This may be due in part to recharge to the ground water from irrigation flow seepage from the Farmer's Mutual Irrigation Ditch, and also the result of a slightly steeper topographic gradient of .02 ft/ft in this area.

Based on the September 1990 water level elevation data, there was not a significant difference in the hydraulic gradient over the site since the construction of the slurry wall 3 months earlier in June 1990. The hydraulic gradient from MW-18 (north of the slurry wall) to MW-17 (within the slurry wall) was about .01 ft/ft; the hydraulic gradient within the slurry wall (from MW-22 to MW-17) was about .012 ft/ft; and the hydraulic gradient from within the slurry wall towards the southwest (from MW-17 to MW-13) was about 0.013 ft/ft. The hydraulic gradient on-site may, as water levels within the slurry wall equilibrate, change over time. However, as it has been shown in previous studies (Dames & Moore, February 1988), although the clay zone into which the slurry wall is keyed and which underlies the upper silty-clayey, fine sand zone is continuous throughout this area, there is some hydraulic connection between the upper sand zone and lower (gravel) zone. This hydraulic connection, although limited, may continue to influence the water levels within the slurry wall.

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The historic water level elevation data from MW-11 and MW-12 indicated small water level elevation differences of .12 to .27 feet between the two wells. A distinct vertical hydraulic gradient could not be established because the water level elevation gradients fluctuated (i.e., the level in MW-12 exceeded that in MW-11 twice and the level in MW-11 exceeded that in MW-12 once) during the period of data collection from November 1987 through October 1988.

Although there may be a limited hydraulic connection which could continue to influence ground water levels within the slurry wall, the slurry wall should still be effective in controlling subsurface contaminant movement through the shallow aquifer. The water quality data obtained from the monitor wells located adjacent to and immediately downgradient from the slurry wall should help to determine the wall's effectiveness. Additional water level and water quality data will continue to be obtained in all of the on-site monitor wells (including MW-1 and MW-2), and in additional off-site monitor wells (W-1, MW-8, MW-7, MW-3, MW-6 and MW-5) located to the south and southwest further downgradient from the site. This data will also serve to document the effectiveness of the slurry wall in containing the on-site contaminants.

#### LONG-TERM GROUND WATER QUALITY MONITORING, ROUND 5

#### INTRODUCTION

The long-term ground water quality monitoring program agreed to by the EID (and subsequently by the OCD) was initiated in April 1989 with the completion of the Round 1 long-term ground water quality sampling and analyses. The plan required triannual, biannual and annual monitoring of one on-site and four off-site monitor wells over a three-year period (1989-1991), respectively. However, as a result of changes to the original site remediation plan (i.e., construction of a slurry wall to contain contaminants rather than implementation of ground water pumping and treating), to document the effectiveness of the slurry wall, ground water monitoring was expanded to include 7 on-site and 5 off-site monitor wells.

Semiannual monitoring includes obtaining static ground water levels, conducting field analytical tests for pH, conductivity and temperature, and labora-

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tory analysis for volatile organics, (aromatic and halogenated), total dissolved solids, sulfate and chloride in these 12 monitor wells (Table 1). As discussed in Appendix F, Rocky Mountain Analytical Laboratory in Arvada, Colorado (an EPA contract laboratory) has conducted the analyses of the ground water samples taken by Dames & Moore.

The concentrations of the inorganic constituents and the detected organic constituents from the September 1990 (Round 5) sampling are presented in Tables 2 and 3, respectively. Isoconcentration contour maps which show the results of the Round 5 water quality monitoring and the spatial distribution of the total dissolved solids, sulfate, chloride, 1-2 dichloroethane, benzene, toluene, ethylbenzene, and total xylene concentrations in the shallow ground water flow system are presented in Appendix F, Plates F-1 through F-8. In addition, the OCD (Bill Olsen) took duplicate water quality samples from on-site monitor wells MW-10 and MW-19, and from off-site monitor wells MW-14, MW-16 and MW-19. These duplicate samples were analyzed for aromatic and halogenated volatile organic parameters by Inter-Mountain Laboratories, Inc. (IMLI), Farmington, New Mexico. EPA methods 8010 and 8020 were used. These results are presented in the October 16, 1990 letter from the OCD (see Appendix A) and are discussed below.

The field and laboratory water quality data for the selected monitor wells for rounds 1, 2, 3, 4 and 5 long-term remediation monitoring and, as previously mentioned, comprehensive data from prior sampling rounds 1, 2 and 3 for wells MW-9, MW-10 and MW-13 are also presented in Tables F-1 and F-2 in Appendix F. The laboratory water quality data report for round 5 is also included in Appendix F. Although MW-13 still has a drop pipe in it due to previously observed free product, no free product was observed during Round 5 sampling. The drop pipe was, however, placed back into MW-13 after purging and prior to sampling. Although strong hydrocarbon odors were detected in MW-17 and MW-22, free product was not observed.

As presented and discussed herein, there are wide variations and some elevated concentrations of inorganic constituents both on and off-site. However, the number and concentrations of the organic constituents detected on-site out-

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side of the slurry wall boundaries and downgradient in the off-site monitor wells are small and remain at, or continue to decrease to, near detection limits.

To account for seasonal fluctuations, the water quality data from Round 5 were compared to the August 1989 Round 2 long-term water quality monitoring data.

#### INORGANIC CONSTITUENTS

#### <u>On-Site</u>

The ground water quality in the shallow aquifer within the slurry wall and in the highly contaminated area on-site (MW-17 and MW-22) is similar to that observed previously in the shallow monitor wells (MW-12 and the northern pump test observation well) which were located within the slurry wall area and which were sampled in 1987, 1988 and 1990, (see previous Dames & Moore reports, January 1989 and March 1990).

Compared to the surrounding ground water quality at the new upgradient monitor well MW-18, and at MW-21 and MW-16 (off-site)located east and west of the slurry wall, respectively, the TDS and chloride concentrations inside the slurry wall are elevated and sulfate concentrations are low. TDS, sulfate and chloride concentrations were measured in MW-17 at 2,160 mg/l, 27.3 mg/l and 401 mg/l, respectively, and in MW-22 at 1,300 mg/l, 17.5 mg/l and 216 mg/l, respectively. The water quality in MW-22 (located about 130 feet north-northeast of MW-17) appears to be slightly better than that in MW-17.

Since monitoring began in 1987, the TDS concentration has increased in the area southwest and downgradient of the slurry wall and the site (Plate F-1). This is because this entire zone, (downgradient from the refinery and tank farm to the southwest to the San Juan River) is a ground water discharge zone. Concentrations of TDS in the on-site wells immediately downgradient from the slurry wall (MW-19, MW-10 and MW-20) are similar to the TDS concentrations found within the slurry wall, (Plate F-1).

The low sulfate concentrations observed within the slurry wall (in MW-12, the northern observation well and now observed in MW-17 and MW-22) indicate (as

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discussed in the previous March 1990 Dames & Moore report), that reductionoxidation (redox) processes from bacterial microorganisms (such as sulfate reduction that occurs in the latter phase of the redox hierarchy) that oxidize organic matter and reduce inorganic compounds in the ground water are occurring in the shallow ground water in this area confined by the slurry wall. As discussed in our March 1990 report, the main source of energy for the bacteria is the oxidation of organic matter. The equation that defines such sulfate reduction is:

# $CH_2O + 1/2 SO_4^{-2} = 1/2 HS^- + HCO^{3-} + 1/2 H^+$

Sulfate concentrations in the on-site wells immediately downgradient from the major contaminant plume are much higher than those measured inside the slurry wall (17.5 and 27.3 mg/l). Specifically, sulfate concentrations outside of and downgradient from the slurry wall range from 292 mg/l in MW-19 to 650 mg/l in MW-20.

Chloride concentrations in the ground water within and immediately downgradient of the slurry wall also appear to be slightly elevated as compared to the surrounding ground water. Chloride concentrations in MW-12 were 321 and 360 mg/l in 1987 and 1988, respectively. Chloride concentrations in September 1990 in MW-17 and MW-22 were measured at 401 and 216 mg/l, respectively. The chloride concentration in MW-19 (located southwest of the slurry wall) measured 620 mg/l in September 1990. Elevated chloride concentrations have also been detected offsite to the southwest. The background concentration for chloride is difficult to determine however, due to the large spatial and temporal variations in the concentration. This variation is believed to be primarily due to ground water discharge towards the southwest in the direction of MW-17 and MW-19. A detailed discussion of the variation in chloride concentration was presented in a previous Dames & Moore report (June 1988).

The TDS, sulfate and chloride concentrations at MW-10 (located south of the slurry wall and monitored since November 1987) have generally remained about the same and are slightly lower than in August 1989. The September 1990 concentrations for TDS, sulfate and chloride at MW-10 were 952, 436 and 38.9 mg/l, respec-

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tively, as compared to the August 1989 concentrations of these constituents at 990, 470 and 45 mg/l, respectively. The water quality data from MW-10 indicate that there have not been significant ground water quality changes in the concentrations of the inorganic constituents to the south (about 150 feet) of the slurry wall.

#### <u>Off-Site</u>

Comparison of the inorganic parameter concentrations in the ground water off-site to that on-site is best illustrated by the isoconcentration maps (Plates F-1, F-2 and F-3). The contour maps for TDS and sulfate show that the concentrations of these constituents increase to the south and southwest away from the tank farm. In September 1990, the highest TDS concentration measured on-site was at MW-19 (at 2,210 mg/l), and off-site it was at MW-14 (at 3,920 mg/l). The highest sulfate concentration on-site was at MW-10 (at 436 mg/l) and off-site it was at MW-14 (at 2,080 mg/l).

Concentrations of chloride, however, appear to higher on-site as compared to off-site. The highest chloride concentration observed on-site was at MW-19 (at 620 mg/l), and off-site at MW-14 (at 174 mg/l).

In comparison to the August 1989 water quality data for existing off-site monitor wells MW-9, MW-13, MW-14 and MW-15, the concentrations of TDS, sulfate and chloride have generally remained stable or increased slightly, with the largest increases in TDS, sulfate and chloride concentrations occurring in MW-14. MW-14 is located about 80 feet west of and approximately midway along the western edge of the slurry wall. Historically, the water quality in MW-14 has always fluctuated more than in any of the other off-site monitor wells.

Although concentrations of the inorganic constituents in the off-site wells have generally increased in comparison to the August 1989 water quality data (Table 2), the September 1990 concentrations of these constituents in all of the existing off-site monitor wells are still well below the maximum concentrations that have been measured previously. In addition, because these wells are located in a ground water discharge zone that is also affected by irrigation ditch water

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recharge from the Farmers Mutual Irrigation Ditch, (and until April 1989 by waters from the Westside Irrigation Ditch), large variations in the concentrations of these inorganic parameters in the shallow ground water aquifer are not unexpected.

The water quality in newly constructed MW-16 (which is located upgradient from all of the other off-site monitor wells), appears to be better than that observed in any of the other off-site monitor wells at any previous time. This is probably due to the location of MW-16. MW-16 is slightly upgradient and just north of the ground water discharge zone. This particular zone is defined by near to surface ground water discharge. Such discharge has been verified by ground water levels measured at depths of only .35 foot from ground surface in MW-13 (Table F-1), and the presence of evaporite deposits on the ground surface.

#### ORGANIC CONSTITUENTS

#### <u>On-Site</u>

The laboratory results from RMAL for the organic constituents detected in the September 1990 round 5 and previous rounds 1, 2, 3 and 4 long-term monitoring, and in the three previous rounds for the five organic constituents detected (including halogenated and aromatic volatile organics) are presented in Table 3. The isoconcentration maps which show the concentrations of these constituents are included in Appendix F, Plates F-4 through F-8. The organic constituents that have been detected on-site are 1,2 dichloroethane (1,2-DCA), benzene, toluene, ethylbenzene and xylene (BTEX).

The September 1990 water quality laboratory analytical results indicate that high concentrations of 1,2-DCA, benzene, toluene, ethylbenzene and xylenes are present in the shallow aquifer within the slurry wall (in MW-17 and MW-22) and that these concentrations are similar to those concentrations found previously (from 1987 through 1990) in MW-12 and in the northern observation well (see Dames & Moore, March 1990). The concentrations of 1,2-DCA, benzene, toluene, ethylbenzene and xylenes in MW-17 and in MW-22 in September 1990 were 360 and 7,200 ug/1; 11,000 and 21,000 ug/1; 15,000 and 20,000 ug/1; 1,600 and

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1,100 ug/1; and 13,000 and 8,300 ug/1, respectively. With respect to 1,2-DCA, benzene and toluene, the water quality in MW-17 is significantly better than in MW-22, and the concentrations of ethylbenzene and total xylenes are about the same in both wells.

As illustrated on Plates F-4 through F-8, 1,2-DCA and benzene were also detected at elevated concentrations on-site, outside of the slurry wall. Elevated 1,2-DCA concentrations of 45 ug/l and 67 ug/l were detected by RMAL in MW-19 (south-southwest of the slurry wall) and in MW-21 (east of the slurry wall). The duplicate sample from MW-19 (taken by the OCD and analyzed by IMLI, (see Appendix A) did not however indicate that 1,2-DCA was present in MW-19 at concentrations above the detection level of 10 ug/l. Such discrepancies are not uncommon at low constituent concentrations.

Laboratory data from RMAL indicated that benzene was detected on-site outside of the slurry wall only in MW-18 (upgradient of the slurry wall) at a concentration of 17 ug/1. The elevated benzene concentration detected in MW-18 was likely due to historic surficial spills and sludge disposal in the area north of the slurry wall. Data obtained from IMLI, however indicated that benzene was also detected in MW-19, but at a very low concentration of 0.6 ug/1 (near the detection limit of 0.2 ug/1). The New Mexico MCL's for drinking water for both 1,2-DCA and benzene are 10 ug/1.

Elevated concentrations of 1,2-DCA detected outside but within 70 feet south (MW-19) and 30 feet east (MW-21)of the slurry wall are not unexpected due to the high solubility of 1,2-DCA in water (see Table 4). Since 1987 1,2-DCA has been the key indicator parameter used for monitoring on-site ground water contamination from the leaded gasoline spill, and related contaminant migration from the tank farm to private water wells and to off-site monitor wells.

Organic constituents were also detected on-site at MW-10, MW-18, MW-19 and MW-21 but at very low to near detection concentration levels. 1,2-DCA was detected in MW-10 at 1.4 ug/l; total xylenes were detected in MW-18, MW-19 and MW-21 at 880 ug/l, 1.9 ug/l and 5.0 ug/l, respectively; ethylbenzene was detected in MW-18, MW-19 and MW-21 at 84 ug/l, 1.1 ug/l and 1.1 ug/l, respectively; and

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toluene was detected in MW-21 at 1.5 ug/1. All of these concentrations are (with the exception of total xylenes in MW-18 of 880 ug/1) very low, well below the levels established for New Mexico drinking water quality. The New Mexico drinking water level for total xylenes is 620 ug/1, and the EPA proposed MCL is 10,000 ug/1.

Based on the IMLI laboratory results obtained from the duplicate samples taken at MW-19 and MW-10 on-site, BTEX concentrations in MW-19 were measured at near detection levels of 0.6 ug/l, 0.7 ug/l, 0.5 ug/l and 2 ug/l, respectively, and only m,p xylene was detected in MW-10 but at a very low concentration of 0.6 ug/l.

#### Off-Site

As shown on the isoconcentration maps Plates F-4 through F-8, with the exception of trace concentrations of 1,2-DCA detected within 200 feet of the southwestern corner of the tank farm, there does not appear to be off-site contamination of the shallow ground water aquifer as a result of ground water contamination at the tank farm. 1,2-DCA was detected in two off-site monitor wells MW-14 and MW-9 at near detection concentrations of 2.0 and 2.1 ug/l, respectively. The duplicate samples analyzed by IMLI however, did not indicate the presence of 1,2-DCA above the detection limit of 1.0 ug/l. All other concentrations of 1.0 ug/l.

The only other organic constituent detected by RMAL in the off-site monitor wells was toluene. It was detected in MW-13 at a very low concentration of 1.5 ug/l. The detection level for toluene was 0.5 ug/l.

Very low (near detection limits) concentrations of organics were detected in the duplicate samples taken from MW-16 and analyzed by IMLI. These included toluene at 0.6 ug/l, ethylbenzene at 0.4 ug/l, and total xylenes at 2.8 ug/l.

In comparison to the August 1989 water quality data and historic water quality data for the off-site monitor wells, the concentrations of the organic

-15-

constituents detected off-site continue to be very low and are at or near detection levels.

In addition, a ground water sample collected from the Walker well in April 1990 by Bill Olson of the OCD (Appendix A) indicated that only a trace of 1,2-DCA was detected and that the concentration was below the detection limit of 1 ug/1.

#### OFF-SITE SUBSURFACE SOIL SAMPLE

At the request of the OCD (Bill Olson) a subsurface soil sample was taken off-site (at a depth of 9.5 to 10 feet) in the pasture to the west of the tank farm and south of the refinery (Plate 2). The laboratory analytical results are included in Appendix G. The constituents detected are presented in Table G-1 and as indicated, although some volatile organics (toluene, ethylbenzene and xylene) were detected, they were detected at very low concentrations. The results of the TCLP test and characteristic tests for reactivity and corrosivity also indicate that the soil sample is not hazardous.

#### CONCLUSIONS AND RECOMMENDATIONS

These summary conclusions and recommendations are based on the remediation work and all of Dames & Moore's previous work conducted at the Maverik Refinery Tank Farm since 1987.

- o The historic ground water quality data and recent round 5 long-term ground water quality monitoring indicate that 1,2-DCA and BTEX concentrations in the shallow aquifer on-site within the slurry wall are high, and that elevated concentrations of benzene are present immediately to the north, and 1,2-DCA immediately to the southwest and east of the slurry wall.
- o The ground water quality data indicate that 1,2-DCA is the only organic contaminant that has and is consistently found downgradient of the tank farm, but it is found at very low (near detection) levels. In September 1990 1,2-DCA was detected off-site in only two monitor wells at concentrations of 2.0 and 2.1 ug/l, below New Mexico and EPA MCL's for drinking water. The wells are within 200 feet of the southwest corner of the tank farm.

Over the past two years, on-site and off-site surface and subsurface tank farm-related contamination has been cleaned up and controlled. Ground water monitoring data verify that contaminant migration offsite is minimal and is not a threat to public health or the environment. Specifically, the remediation work, the controls and monitoring that have been implemented have included the following:

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- Free-product from the on-site shallow ground water aquifer was removed via pumping from an on-site interceptor trench;
- Major contaminant source areas have been eliminated (i.e., the sludge in the storage tanks has been removed and the tanks cleaned, and sludge and heavily contaminated soils have been excavated and removed from the site);
- Westside Irrigation Ditch waters were piped to eliminate the potential for contaminant seepage migration off-site into irrigation waters;
- Six on-site monitor wells were grouted to prevent potential ground water contamination during slurry wall construction;
- A slurry wall was constructed in June 1990 to contain the highly contaminated shallow ground water on-site;
- Seven (7) new monitor wells, strategically placed to monitor the ground water within and surrounding the slurry wall were constructed, and along with the 5 existing monitor wells, have and will be monitored semiannually as part of an "Early Warning" ground water monitor system to ensure the early detection of potential contaminant migration away from the slurry wall. In addition, on-site upgradient monitor wells MW-1 and MW-2, and downgradient off-site monitor wells W-1, MW-8, MW-7, MW-3, MW-6 and MW-5 will be measured for water level elevation data and on an annual basis will be sampled for the same constituents as the other monitor wells. This includes field analytical tests for pH, conductivity and temperature, and laboratory water quality analysis for TDS, sulfate, chloride, 1,2-DCA and BTEX.
- At this time, rather than trying to implement in-situ ground water remediation within the slurry wall area (i.e. via air sparging and/or soil venting), we recommend that ground water quality monitoring be continued on a semiannual basis to evaluate the effectiveness of the slurry wall and sludge removal in controlling and reducing ground water contamination. If contaminants outside the slurry wall or off-site should show significant increases in concentration, resampling and additional remediation action should then be considered.

Based on the ground water quality data on-site in the highly contaminated area inside the slurry wall, biodegradation of the organic constituents is and has been occurring. This has been documented since monitoring started in 1987. Although such degradation is slow, as discussed in previous Dames & Moore reports, the low permeability of the contaminated shallow aquifer (which consists of clayey-silty fine sands) is not conducive to active remediation. If the remediation work completed to date is effective in controlling off-site contamination, we recommend that monitoring continue and that natural biodegradation serve as the long-term mechanism for further on-site remediation within the slurry wall.

#### REFERENCES

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- Dames & Moore, June 1988. Addendum to Phase I Hydrogeologic Evaluation, Maverik Refinery and Tank Farm, Kirtland, New Mexico.
- Dames & Moore, June 1988. Phase II Subsurface Soil and Solid Waste Contaminant Evaluation For Maverik Refinery and Tank Farm, Kirtland, New Mexico.
- Dames & Moore, September 14, 1988. Ground Water Remediation Plan For Maverik Country Stores, Inc., Kirtland, New Mexico Refinery Tank Farm.
- Dames & Moore, January 1989. Water Quality Data Summary Report For Completion of the Hydrogeologic Evaluation, Maverik Refinery and Tank Farm, Kirtland, New Mexico For Maverik Country Stores, Inc.
- Dames & Moore, July 1989. Status Report, Remediation Work, Aquifer Pump Test and Round 1 Long-Term Ground Water Quality Monitoring Data Results For Maverik Refinery and Tank Farm, Kirtland, New Mexico, For Maverik Country Stores, Inc.
- Dames & Moore, August 8, 1989. Amended Ground Water Remediation Plan.
- Dames & Moore, February 1990. Status Report, Remediation Work and Round 3 Long-Term Ground Water Quality Monitoring Data Results For Maverik Refinery and Tank Farm, Kirtland, New Mexico, For Maverik Country Stores, Inc.
- Dames & Moore, March 1990. On-Site Ground, Surface Water and Sludge Laboratory Analytical Data and Modified Ground Water Remediation Plan For Maverik Tank Farm Kirtland, New Mexico For Maverik Country Stores, Inc.
- Dames & Moore, August 1990. Status Report, Remediation Work and Round 4 Long-Term Ground Water Quality Monitoring Data Results For Maverik Refinery and Tank Farm, Kirtland, New Mexico, For Maverik Country Stores, Inc.
- EPA, October 1986. Superfund Public Health Evaluation Manual, EPA 540/1-86/060.

#### TABLE 1

#### LONG-TERM MONITORING LABORATORY WATER QUALITY PARAMETERS

### General Inorganics

Chloride Sulfate Total Dissolved Solids

Halogenated Volatile Organics EPA Method 601

Chloromethane Bromomethane (Methylbromide) Vinyl chloride Chloroethane Methylene chloride 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (cis/trans) Chloroform 1,1,2-Trichloro-2,2,1-trifluoroethane 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon tetrachloride Bromodichloromethane 1,2-Dichloropropane trans-1,3-Dichloropropene Trichloroethene Chlorodibromomethane cis-1,3-Dichloropropene 1,1,2-Trichloroethane EDB (1,2-Dibromoethane Bromoform 1,1,2,2-Tetrachloroethane Chlorobenzene

Aromatic Volatile Organics EPA Method 602

Benzene Toluene Chlorobenzene Ethylbenzene Total Xylenes 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene

Note: For detail of methodology see ENSECO's (RMAL) attached report (Appendix F )  $\,$ 

LABORATORY RESULTS FOR MAJOR IONS, ROUND 5 LONG-TERM MONITORING, (AND PRIOR ANALYTICAL DATA RESULTS) FOR MAVERIK COUNTRY STORES, REFINERY TANK FARM, KIRTLAND, NEW MEXICO

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4		72 	1 4	35 112 202 347
era 3		34		38 170 204
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1		146 - -	• •	39 94 178 -
Chloride <sup>(2)</sup> mg/1 250 250 2		191 - -		81 82 82
Chlori 250 1		¢6 • • • •		43 257
2		436 67.1 650 386	27.3 17.5	551, 630, 2,080, 1,380, 2,22
4		577	• •	574 1,480 2,120 2,750
г <u>а</u> 3		404 -		638 1,890 1,720
Long - Term 2		470	• •	624 350 360
1		1,190° - -		1,350' 1 3,320' 1 1,220' 1
2		1,640 <sup>°</sup> - -	• •	1, 510 920
Sulfate <sup>(2)</sup> (mg/l) 600 1		568 	• •	1,980
S		952 682 1,310	2,160 <sup>°</sup> 1,300 <sup>°</sup>	1,140° 3,040° 3,920° 2,540° 867
4		1,300 <sup>°</sup>		1, 190 2, 890 3, 980 4, 320
erm) 3		910 - -		1,260 3,580 2,620 2,940
<u>[Long-Term</u> ] 2		- - - 066		1,200 2,660 1,900
1		2,310 <sup>°</sup>		1,420 2,480 6,140 2,360
2 2 1,000 2		l, 240°2, 725°		2,160 1,850
TDS <sup>(2)</sup> (mg/1) 1		1,240° - - -	cy Wall	1, 520. 3, 700
Sample Site <u>Designation</u> <sup>(1)</sup> NM MCL EPA MCL Rounds	<u>Wells</u> <u>On-Site</u>	MW - 10 MW - 18 MW - 19 MW - 20 MW - 21	Inside Slurry Wall MW-17 	MW - 9 MW - 13 MW - 14 MW - 15 MW - 16

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Footnotes:
Footnotes:
(1) Data from Rounds 1 and 2 and from Rounds 1, 2, 3 and 4 long-term monitoring are presented for each sample in subsequent columns, respectively.
(2) (Round 1 Sampled November 10-77, 1989)
(2) (Round 2 Sampled February 22-24, 1988)
(Round 2 Sampled Cotober 12-13, 1988 no laboratory analysis for inorganics)
(Round 1 Long-Term Monitoring, sampled April 27, 1989 and May 4, 1989)
(Round 2 Long-Term Monitoring, sampled August 10, 1989)
(Round 2 Long-Term Monitoring, sampled August 10, 1989)
(Round 4 Long-Term Monitoring, sampled August 10, 1989)
(Round 4 Long-Term Monitoring, sampled August 13, 14, 1990)
\* Exceeds New Mexico MCI For Drinking Water.
Indicates not analyzed

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TABLE 2

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TABLE 3

LABORATORY RESULTS FOR DETECTED ORGANIC CONSTITUENTS, ROUND 5 LONG-TERM MONITORING (AND PRIOR MALYTICAL DATA RESULTS) FOR MAVERIK COUNTRY STORES, REFINERY TANK FARM, KIRTLAND, NEW MEXICO (Round 5 Long-Term Monitoring, Sampled Stepember 13, 14, 1990) (Round 4 Long-Term Monitoring, Sampled May 2,6, 1990) (Round 2 Long-Term Monitoring, Sampled May 2,6, 1989) (Round 1 Long-Term Monitoring, Sampled May 1, 1989) (Round 1 Long-Term Monitoring, Sampled April 27, 1989) (Round 2 Sampled Northoring, Sampled April 27, 1989) (Round 2, Sampled February 22-24, 1988) (Round 3, Selective Sampling October 12-13, 1988)

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Sample Site Designation <sup>(1)</sup> NM MCI	-	Ч	1-2 DCA <sup>(2)</sup> ug/1	(Z)					Total Xylene <sup>(2)</sup> (ug/1)	ylene <sup>(</sup> )	(2						Ethylb (	Ethylbenzene <sup>(2)</sup> (ug/l)	(2)					
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Rounds	ч	7	e	Ч	7	ñ	4	ŝ	Ч	3	ñ	г	7	e	4	S	ч	7	ę	ч	2	e	4	ŝ
Wells																								
<u>On-Site</u>																								
MW-10 <sup>(2)</sup> MW-18 MW-19 MW-20 MW-21	3.2	1.3	5.7	5.7 3.3	1. 	2.8 2.0  		1.4 <1.0 <1.0 <1.0	<0.50	<0.50 - - -	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.</pre>	<pre>41.0</pre>	<pre><!--</pre--></pre>	<pre>41.0 </pre>	<1.0	<pre>&lt;1.0 880. 1.9 &lt;1.0 5.0</pre>	<0.50 - -	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 </pre>	<0.50 	<0.50 	<0.50 - - -	<0.50 - - -	<0.50 	<pre>&lt;0.5 84 1.1 &lt;0.5 &lt;0.5 1.1 1.1</pre>
<u>Inside Slurry Wall</u> MW-17 - MW-22 -	<u>ry Wa</u> -	;,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1.1	, ,	1.1		360	1 1	i 1	1 1	1.1		1.1	- 1 I	13,000 8,300	1.1	1 1	1.1		1.1	1.1	1.1	1,600 . 1,100 .
Off-Site MW-9 <sup>(2)</sup> MW-13 <sup>(2)</sup> MW-14 <sup>(2)</sup>	8.3 <1	8.6 1.9 -	5.6 1.9	8.6 5.6 4.5 1.9 1.9 7.4 <1.0	3.0 F	3.4 2.6 3.30 6.0 <1.0 <1.00 3.2 3.4 <1.00	3.30 (1.00	2.1 2.0 2.0	<0.50 2.23	<0.50 1.68	<0.50 <0.50	<1.0 <1.0 3.2		<1.0 <1.0	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.00 2.23 1.68 &lt;0.50 &lt;1.0 &lt;1.0 &lt;1.0 &lt;1.00</pre>		<0.50 0.54	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50 <0.50	<0.50 <0.50 <0.50	<0.50 <0.50	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 0.54 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50  &lt;0.50 &lt;0.5</pre>	<0.5 <0.5

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3.4	7.4 6.0 4	3.2	0 <1.0	1
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8.3 8.6	н.	•	•	1
8.	4	•	'	`
MW-9 <sup>(2)</sup>	MW-13 <sup>(2)</sup>	MW-14 <sup>(2)</sup>	MW-15 <sup>(2)</sup>	MW-16

TABLE 3 (Continued)

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S	<pre>&lt;0.5 17 &lt;0.5 &lt;0.5 &lt;0.5 &lt;0.5 </pre>	11,000 .	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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m	<pre><cr>&lt;0.50</cr></pre> <0.50<0.50<0.50 <td>1.1</td> <td><pre>&lt;0.50</pre><pre>&lt;0.50</pre><pre>&lt;0.50</pre><pre>&lt;0.50</pre></td>	1.1	<pre>&lt;0.50</pre> <pre>&lt;0.50</pre> <pre>&lt;0.50</pre> <pre>&lt;0.50</pre>
Term) 2	<0.50		<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;1.50 </pre>
(Long-Term)	<0.50		<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 </pre>
e	<pre>&lt; 0.50</pre>	1 1	<0.50
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Ben (	<pre>&gt;0.50</pre>	3 1	<pre>&lt;0.50 &lt; </pre>
ľ	<pre>&lt;0.5 &lt;12 &lt;0.5 &lt;0.5 &lt;12 &lt;0.5 &lt;12 &lt;1.5 </pre>	15,000 20,000	0.5 2.5 2.5 2.5 2.5
4	<0.50		<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 </pre>
3 3	<0.50		<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 </pre>
Long-Term)	0.52 <0.50 <0.50 <0.50 	1 1	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 &lt;0.50 </pre>
		t i	<pre>&lt;0.50 &lt;0.50 &lt;0.50 &lt;1.1 &lt;0.50 &lt;0.50 </pre>
Toluene <sup>(2)</sup> (ug/l) 750 2,000 <sup>(3)</sup> 2 3	<pre>&lt;0.50</pre>	1.1	<0.50 <0.50 - -
Toluene (ug/l) 750 2,000 <sup>(3)</sup>	0 < 0.50	 !	<pre>&lt; 0.50 &lt; 0.50 &lt; 0.50 </pre>
	<pre>&lt; 0.50</pre>	rry Wal -	<pre>&lt;0.50 &lt;0.50 </pre>
Sample Site Designation <sup>(1)</sup> NM MCL EPA MCL Rounds	<u>Wells</u> <u>On-Site</u> MW-10 <sup>(2)</sup> MW-19 MW-21 MW-21	<u>Inside Slurry Wall</u> MW-17 MW-22 <u>Off-Site</u>	MM-9(2) MM-13(2) MM-14(2) MM-15(2) MM-16

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Footnotes:
(1) Data from each round are presented for each sample site in consecutive columns.
(2) Constituents for long-term monitoring, from designated wells as indicated.
(3) EPA proposed MCL's and MCLG's (May 22, 1989).
(3) The values indicated as less than (<) are detection limits only, and not actual concentrations.</li>
Indicates not analyzed.
Exceeds New Mexico MCL for drinking water.

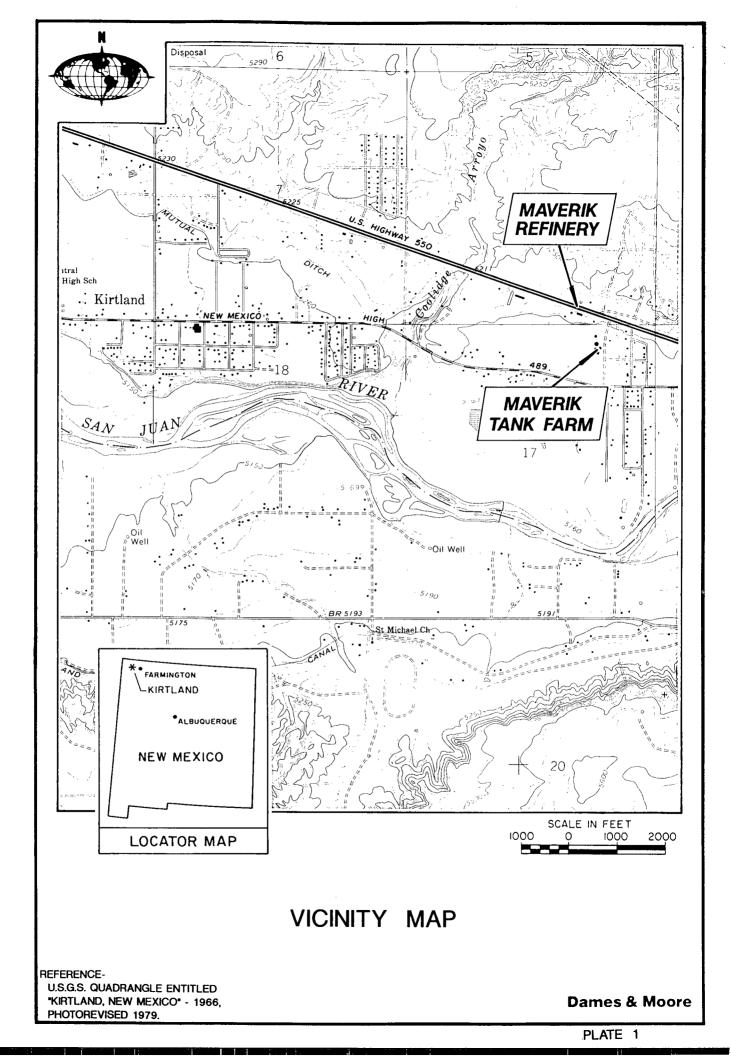
#### TABLE 4

#### CHARACTERISTICS OF ORGANIC COMPOUNDS DETECTED LONG-TERM REMEDIATION MONITORING

	Molecular <u>Weight</u>	Density <u>(gm/cm<sup>3</sup>)</u>	Water Solubility (mg/l)	Vapor Pressure <u>(mm Hg)</u>	K <sub>oc</sub> (1) <u>(ml/g)</u>	<u>K<sub>ow</sub>(2)</u>
<u>Volatile Organic</u>	<u>Parameters</u>					
Benzene	78	0.88	1,750	95	83	132
Ethylbenzene	106	0.87	152	7	1,100	1,412
Toluene	92	0.87	535	28	300	537
Xylene, m	106	0.86	130	10	871	1,820
Xylene, p	106	0.86	192	10	676	1,412
Xylene, o	106	0.88	175	10	426	891
1,2-Dichloroethan	e 99	1.26	8,520	64	14	30

(1) Organic carbon partition coefficient, a measure of the tendency for organics to be adsorbed by soil and sediment.

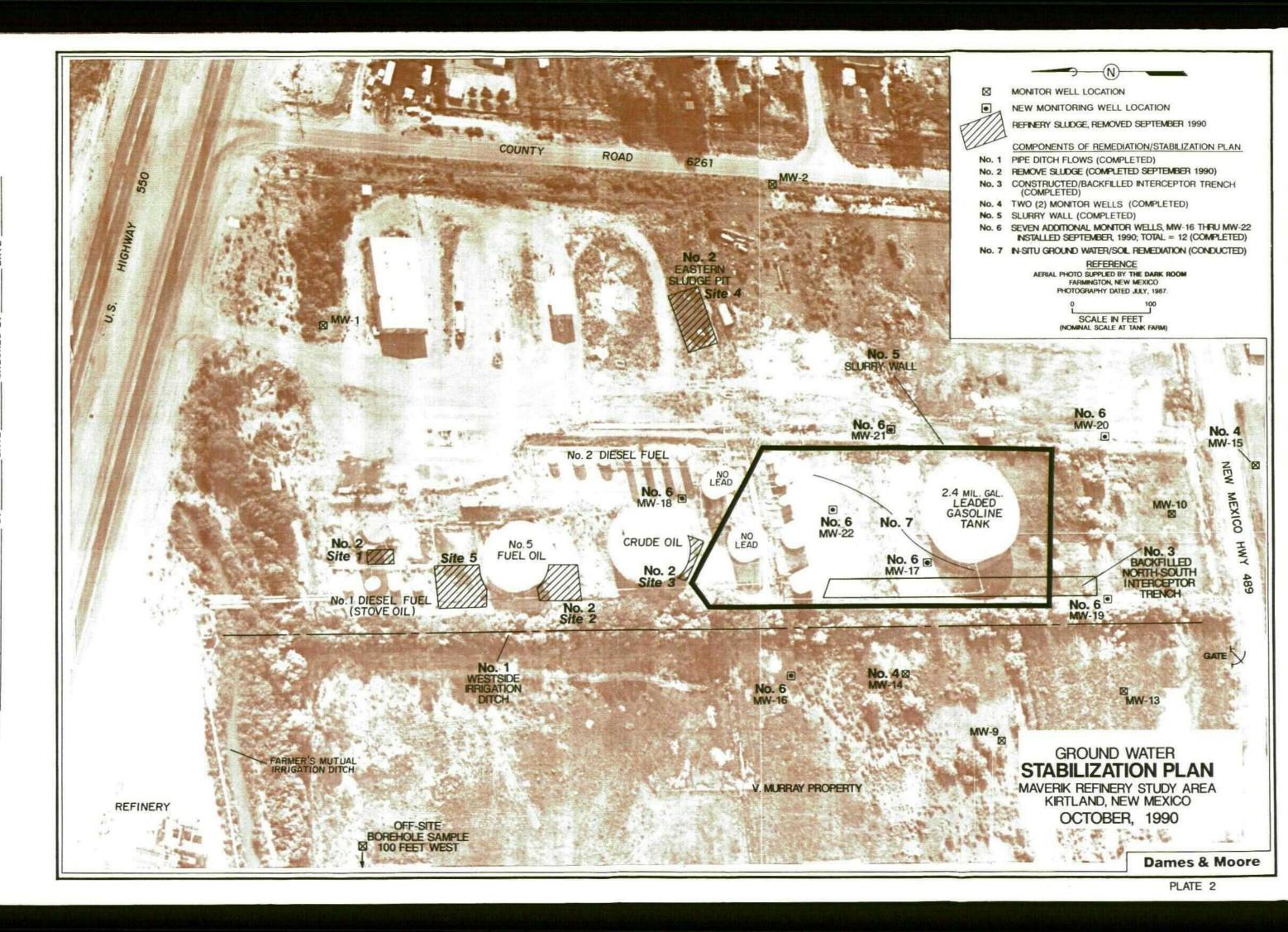
- (2) Octanol-water partition coefficient, a measure of the tendency of a chemical at equilibrium to distribute between an organic phase (octanol) and water.
- Source: Superfund Public Health Evaluation Manual, EPA 540/1-86/060, October 1986; Land Treatment of Appendix VIII Constituents in Petroleum Industry Wastes, American Petroleum Institute Publication 4379, May 1984.



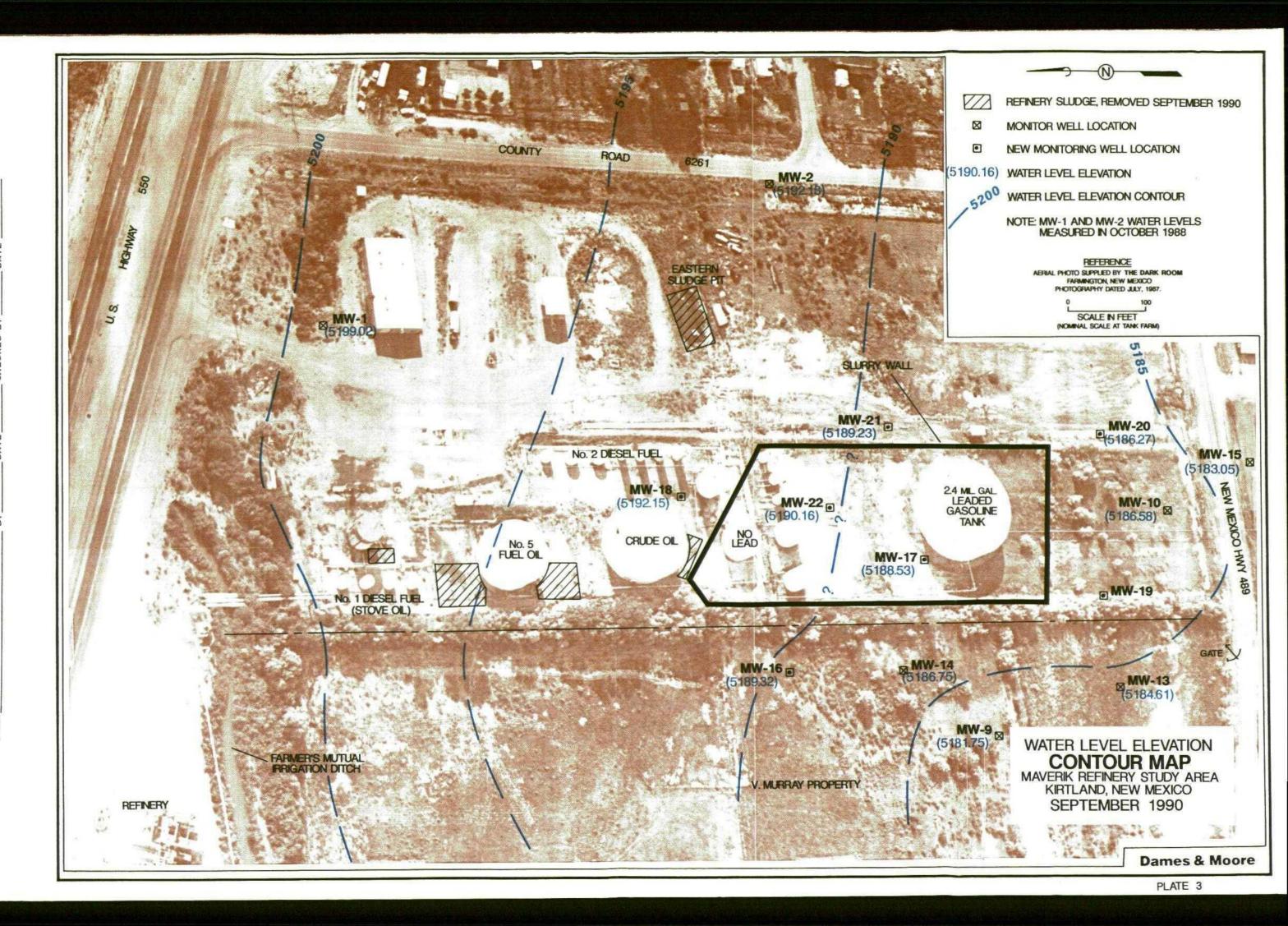
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# TECHNICAL REPORT

#### for

# DAMES AND MOORE

250 E. Broadway Suite 200 Salt Lake City, UT 84111

# Attention: Terry Vandell

other ilo Rand Potter

Project Manager

SALT LAKE OFFICE BOD WEST LEVOY CRIME SALT LEKE OTTY OTAM BE123-2547 BOT ESSITTCO, FAX 801 (283-9992 s speeve on oppeeve

DENVER OFFICE 5299 DTO BOULEVARD, #500 EMGLEWCOD, COLORADO, 20111-3308 302 TT1-1355, FAX 302 TT0-3573

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CINCINNATI OFFICE 4333 GLENDALE:MILFORD FOAD 2010/01/1471 OHIO 4524215756 513 T30 5335 FAX \$10 T30-5341



Sept. 26, 1990

REPORT INTRODUCTION ANALYTICAL COMMENTARY

SUBMITTED TO:

Terry Vandell

SUBMITTED BY: Lawrence S. Hall

**REFERENCE DATA:** 

Analysis of:	1 solid sample
Sample Preparation:	TCLP
Method of Analysis:	EPA 8240
Identification No.:	S90-0730EE
DataChem Laboratory N	Io.: EJ 4337

The above-numbered sample was prepared for analysis as prescribed in the Toxicity Characteristic Leaching Procedure (TCLP, Federal Register; Vol. 51, No. 216; November 7, 1986) and subsequently analyzed by EPA Method 8240 with modifications (EPA SW-846; third edition; September 1986; U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response). Ethanol and dichlorodifluoromethane are not included in the analysis.

Zero headspace extractors (ZHE), which are specifically designed for the TCLP procedure were used for sample preparation. Enough sample to provide 12.5 grams of solid phase was loaded into the ZHE. Prior determination of the percent solids of each sample enabled calculation of the weight of each sample to be used. The liquid portion of each sample was forced out of the ZHE with 50 psi helium and recombined with the extract when compatible. Two hundred fifty milliliters of dilute acetic acid solution (with sodium hydroxide added to stabilize the pH at 4.93 + or - 0.05 pH units) was injected into the ZHE prior to rotation of the entire apparatus for eighteen hours. The final water extract was transferred to 40 milliliter vials for the GC/MS analysis.

CINCINNATI OFFICE 4933 GLENDALEMMLFORD ROAD CINCINNATI CHID 15242-3705 510 MORENATI CHID 15242-3705 SALT LAKE OFFICE BO WEST LarXCY DRIVE SALTLAKE DITY, DTAH B4123-8547 B01 256-TTCD, FAX 201 263-8522 MADERIC DUTYAN. DENVER OFFICE 5359 DTO BOULEWARD, #510 ENGLEWOOD, COLORADO, #0111-3326 303, 771-1355, FAX 303, 773-6573 In all cases the ratio of extaction fluid to solid phase was maintained at a 20 to 1 ratio (by weight) as required by the TCLP methodology. Therefore, sample results reported as ug/L of extraction fluid represents micrograms of analyte per 50 grams of solid.

The water extract from the TCLP preparation was purged onto a Tekmar 2-phase trap then desorbed at 180 degrees centigrade under reverse helium flow. The desorbed organics were separated by a 2m x 2mm I.D. glass column packed with 1% SP-1000 on 60/80 mesh Carbopack B. The column oven was programmed from 45 degrees centigrade ( 3 minutes ) to 220 degrees centigrade at 8 degrees centigrade per minute. Ionization of the analytes was by electron impact at 70 eV and scanning of the resulting ions was from 35 amu to 260 amu every three seconds.

An internal standard method of quantitation was used. Internal standards were added to each sample and standard prior to analysis. The standards were obtained from the EPA as mixtures. Five standards were analyzed as prescribed by the method at 20, 50, 100, 150 and 200 micrograms/liter. System Performance Check Compounds were checked for a minimum response factor of 0.300, these compounds are chloromethane, bromoform (can be 0.250), 1,1-dichloroethane, chlorobenzene and 1,1,2,2tetrachloroethane. Response factors from the initial calibration curve are used to calculate percent relative standard deviation (%RSD) for Calibration Check Compounds. These are toluene, 1,1dichloroethene, chloroform, 1,2-dichloropropane, ethylbenzene, and vinyl chloride, the %RSD must be less than 30%. These Q.C. criteria were met for the initial calibration curve.

Quantitation of each target compound is based on response factors from a 50 ug/L continuing calibration standard. Before sample analysis can begin, standardization requirements must be met. The response factors of System Performance Check Compounds must meet the minimum criteria of 0.300, except bromoform at 0.250, and the Calibration Check Compounds must be less than 25% difference with the average response from the initial calibration curve.

Tuning and calibration checks were made prior to sample analysis. A reagent blank was also analyzed prior to sample analysis to certify cleanliness of reagents. Before analysis, blanks were analyzed in each sparging unit to verify the cleanliness of the instrument sampling apparatus.

In addition, the following quality assurance procedures were routine; monitoring of internal standard absolute areas and retention times and measurement of surrogate standard recoveries.

DataChem will maintain a complete record of your data on magnetic tape including the ion chromatograms, mass spectra, and verification of compliance with EPA tuning (BFB).

The results for EPA Method 8240 are reported twice for each sample in the body of the report, first on the Summary Report and again on the Analytical Report (results by sample). The Analytical Report consists of two pages for each sample. Analytical standards have been analyzed for each compound on page one and the quantitative results are presented. The unknown compounds have been tentatively identified and are found on page two of the Analytical Report. The amount of each unknown present is estimated by comparison to an internal standard assuming the response factor to be one. Additionally, the footnotes on page two of the Analytical Report have been used to qualify the data reported.

DataChem Laboratories declines to report results for 1,1,1trichlorethane due to contamination of the ZHE (zero headspace extractor). The ZHE was shown to be free of all other analytes.

awrum S. Hall

Sponsor DAMES & MOORE

Results ug/L

Field No.	OFF-S	 	 Method
DataChem EJ No	. 4337	 	 Blank

COMPOUND	ug/L			•		
chloromethane	1.6	<u> </u>			<u></u>	<u> </u>
bromomethane vinyl chloride	1.5 1.7	<u> </u>		<u> </u>	<u> </u>	<u>U</u>
chloroethane	1.4	<u> </u>	<u> </u>		<del></del>	<u> </u>
dichloromethane	1.4	<u> </u>				<u> </u>
acetone	4.3	<u>U</u>				<u> </u>
carbon disulfide	1.6	<u>U</u>	·	<del></del>		<u> </u>
trichlorofluoromethane	1.5	<u>U</u>				U
1,1-dichloroethene	1.2	U			<u> </u>	U
1,1-dichloroethane	2.1	Ū			<u></u>	U
trans-1,2-dichloroethene	1.2	U			<u></u>	U
chloroform	1.8	U				U
1,2-dichloroethane	2.4	U				U
iodomethane	1.5	U				U
acrolein	58.	<u> </u>			<u> </u>	U
acrylonitrile	43.	<u> </u>				<u> </u>
2-butanone	3.8	U	<u> </u>			U
1,1,1-trichloroethane	1.6	@	<del> </del>			<u>U</u>
carbon tetrachloride	1.5	<u>U</u>		<u> </u>	·	<u>U</u>
vinyl acetate	3.5	<u> </u>	<u></u>			<u> </u>
bromodichloromethane	1.8	<u>U</u>				U
1,2-dichloropropane	2.0	<u> </u>	<del></del>			<u> </u>
cis-1,3-dichloropropene	3.1	<u> </u>	<del></del>	<u> </u>		<u> </u>
trichloroethene	1.3	<u> </u>		<u> </u>		<u> </u>
benzene	1.6	<u> </u>		<u> </u>		<u> </u>
chlorodibromomethane	1.4	<u> </u>		<u> </u>	<u> </u>	<u> </u>
1,1,2-trichloroethane	1.1	<u> </u>		<del></del>		<u> </u>
trans-1,3-dichloropropene	2.9	<u> </u>				<u> </u>
2-chloroethylvinyl ether	3.3	<u> </u>				<u> </u>
bromoform	1.2	<u> </u>	<del></del>		<u> </u>	<u> </u>
dibromomethane	2.5	<u> </u>				<u> </u>
trans-1,4-dichloro-2-butene	1.7	<u> </u>				<u>U</u>
4-methyl-2-pentanone	3.5	<u> </u>				the second design of the secon
1,2,3-trichloropropane	2.3	<u> </u>		<u> </u>	<del></del>	<u>U</u>
2-hexanone	4.1	<u> </u>	<del></del>	<del></del>	<del>,</del>	
1,1,2,2-tetrachloroethane	2.0	<u> </u>		<del></del>		<u> </u>
tetrachloroethene	1.5	<u> </u>		·		<u> </u>
ethyl methacrylate	1.9	<u> </u>			······	
toluene chlorobenzene	1.5	<u> </u>				<u>U</u>
	1.3	<u> </u>				<u> </u>
ethylbenzene	1.4	<u>    25     </u>		<del></del>		U
styrene total xylene	1.2 1.0	<u> </u>				U
cocar xyrene	т.0	230.	·····			

\* See Footnotes on Page 2 of the analytical report

Lawrun Stall

Analyst

see memo 0

Thoma J. Mason Reviewer

() Maroni

Released Data

### ANALYTICAL REPORT FOR SAMPLE No.<u>EJ4337</u> <u>Page 1 of 2</u>

#### EPA METHOD 8240

### TARGET ANALYTE RESULTS

### Field Sample ID <u>OFF-SITE</u> Sponsor <u>DAMES & MOORE</u> File ID <u>IM19EJ4337</u> Date of Analysis <u>09/11/90</u> Date Received <u>08/28/90</u> DataChem SET ID <u>S90-0730EE</u>

Cas. No	COMPOUND	RESULTS <u>(ug/L)</u>	DETECTION LIMITS (ug/L);
74-87-3	chloromethane	<u>U</u>	1.6*
74-83-9	bromomethane	U	1.5*
75-01-4	vinyl chloride	U	1.7*
75-00-3	chloroethane	U	1.4*
75-09-2	methylene chloride	U	1.6*
67-64-1	acetone	U	4.3*
75-15-0	carbon disulfide	U	1.6*
75-69-4	trichlorofluoromethane	U	1.5*
75-35-4	1,1-dichloroethene	<u> </u>	1.2*
75-34-3	1,1-dichloroethane	<u>U</u>	2.1*
540-59-0	total 1,2-dichloroethene	U	1.2*
76-66-3	chloroform	U	1.8*
107-06-2	1,2-dichloroethane	U	2.4*
74-88-4	iodomethane	U	1.5*
107-02-8	acrolein	U	58.*
107-13-1	acrylonitrile	<u> </u>	43.*
78-93-3	2-butanone	U	3.8*
71-55-6	1,1,1-trichloroethane	@	1.6*
56-23-5	carbon tetrachloride	U	1.5*
108-05-4	vinyl acetate	U	3.5*
75-27-4	bromodichloromethane	U	1.8*
78-87-5	1,2-dichloropropane	U	2.0*
10061-02-5	cis-1,3-dichloropropene	U	3.1*
79-01-6	trichloroethene	<u> </u>	1.3*
71-43-2	benzene	<u>U</u>	1.6*
124-48-1	dibromochloromethane	U	1.4*
79-00-5	1,1,2-trichloroethane	U	1.1*
10061-02-6	trans-1,3-dichloropropene	U	2.9*
110-75-8	2-chloroethylvinyl ether	<u> </u>	3.3*
75-25-2	bromoform	U	1.2*
74-95-3	dibromomethane	U	2.5*
764-41-0 t	rans-1,4-dichloro-2-butene	<u> </u>	1.7*
108-10-1	4-methyl-2-pentanone	<u> </u>	3.5*
96-18-4	1,2,3-trichloropropane	<u> </u>	2.3*
591-78-6	2-hexanone	U	4.1*
79-34-5	1,1,2,2-tetrachloroethane	U	2.0*
127-18-4	tetrachloroethene	U	1.5*
97-63-2	ethyl methacrylate	U	1.9*
108-88-3	toluene	U	1.5*
108-90-7	chlorobenzene	U	1.3*
100-41-4	ethylbenzene	25.	1.4*
100-42-5	styrene	U	1.2*
1330-20-7	total xylene	230.	1.0*
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\* current DataChem detection limit

@ set memo

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ANALYTICAL REPORT FOR SAMPLE No. EJ4337

### Page 2 of 2

### NON-TARGET ANALYTE RESULTS Additional Volatiles

Field Sample ID OFF-SITE Results Scan COMPOUND Number ug/L Footnotes Cas. No UNKNOWN C6 UNSATURATED HYDROCARBON 235 45. ENKW 28. UNKNOWN C6 UNSATURATED HYDROCARBON 251 ENKW \_346 200. ENKW UNKNOWN C7 UNSATURATED HYDROCARBON UNKNOWN C8 UNSATURATED HYDROCARBON 437 49. ENKW UNKNOWN ALKYLBENZENE 564 22. ENKW \_\_\_\_\_ ····· \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 

FOOTNOTES

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- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
- J Indicates an estimated concentration below the Method Detection Limit.
- K The isomer is unknown.

- N Analytical standards were not analyzed for this compound.
- U Not detected.
- W The identification is tentative or closely related to the compound.

#### <u>WATER</u> <u>Surrogate Percent</u> <u>Recovery Summary</u>

### DataChem ID S90 0730EE

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Sample No.	TOL		BFB		DCE
MB-1 EJ 4337	<u>98.</u> 96.		103. 104.		<u>96.</u> 96.
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+	<del></del>	•			
(TOL) (BFB) (DCE)		-D8 UOROBENZEN HLOROETHAN			QC LIMITS (88-110) (86-115) (76-114)

MB is the abbreviation for method blank. If more than one method blank was analyzed they will be designated MB-1, MB-2, ect.

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APPENDIX A PERTINENT CORRESPONDENCE/DATA FROM THE OCD

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#### APPENDIX A

#### PERTINENT CORRESPONDENCE/DATA FROM THE OCD

The following have been included in this appendix for purposes of documentation of key correspondence pertaining to site remediation and ground water quality: 1) four letters from the OCD (dated April 20, 1990, May 25, 1990, June 15, 1990 and August 13, 1990) regarding the remediation plan for the Maverik refinery and tank farm; 2) the laboratory results of the duplicate water quality samples taken by the OCD (Bill Olson) on September 13, 1990 for MW-9, MW-10, MW-14, MW-16 and MW-19; and 3) the laboratory results of the water sample taken (by the OCD, Bill Olson) of the Walker well on April 12, 1990.

A-1

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

April 20, 1990

Terry D. Vandell Dames and Moore 127 South 500 East Suite 300 Salt Lake City, Utah 84102-1959

### RE: MODIFIED GROUND WATER REMEDIATION PLAN FOR THE KIRTLAND NEW MEXICO MAVERICK REFINERY

Dear Ms. Vandell:

The New Mexico Oil Conservation Division (NMOCD) is in the process of reviewing the March 1990 "ON-SITE GROUND, SURFACE WATER AND SLUDGE LABORATORY ANALYTICAL DATA AND MODIFIED GROUND WATER REMEDIATION PLAN FOR MAVERICK TANK FARM KIRTLAND, NEW MEXICO FOR MAVERICK COUNTRY STORES INC". The conceptual remedial plan presented in the above document appears sufficient to remediate contaminated ground water and prevent further ground water contamination but, the NMOCD requires the following information to complete the review process:

- 1. Design specifications for the slurry wall, such as physical dimensions, method of emplacement and composition of the slurry, were not included in the remediation plan. NMOCD understands that Dames and Moore will initiate a boring program the week of April 30, 1990 in order to complete design criteria of the slurry wall. Please submit all design specifications upon completion of evaluation of the boreholes.
- 2. The NMOCD requests submission of design specifications for the air sparging system, dewatering wells and additional monitoring wells including depth of wells, completion intervals, methods of construction, piping and types of pumps.
- 3. Where will the additional monitoring wells be located?
- 4. Please submit design specifications for the water application or sprinkling process for enhanced bioremediation including area of application, types of equipment to be used and the locations of equipment and piping.

Ms. Terry D. Vandell April 20, 1990 Page -2-

5. What measures will be taken to ensure that sprayed water will not leave the application area and that excess ponding does not occur during the application process?

The NMOCD would like to remind you that no remedial discharges can occur until the site has an approved discharge plan. Oversight responsibility, including authority for discharge plan approval, is expected to be formally returned to this agency at the Water Quality Control Commission meeting in Farmington on Tuesday, May 15, 1990. You will find enclosed the time and location of this meeting. An agenda for the meeting will be prepared shortly. If you have questions or comments on requests in this letter, please call me at (505) 827-5885.

Sincerely,

William Olson Hydrogeologist

WO/sl

cc: William Call, Maverick County Stores, Inc. OCD Aztec District Office Dave Tomko, EID Farmington STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

May 25, 1990

CERTIFIED MAIL RETURN RECEIPT NO. P-918-402-316

Terry D. Vandell Dames and Moore 127 South 500 East Suite 300 Salt Lake City, Utah 84102-1959

RE: Discharge Plan Requirement Maverick Refinery Remediation Project San Juan County, New Mexico

Dear Ms. Vandell:

Under the provisions of the Water Quality Control Commission (WQCC) Regulations you are hereby notified that the filing of a discharge plan is required for the Kirtland New Mexico Maverick Refinery Remediation Project located in the NE/4 NE/4, Section 17 and the SE/4 SE/4, Section 8, Township 29 North, Range 14 West, NMPM, San Juan County, New Mexico.

This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC Regulations The discharge plan, defined in Section 1.101.P of the WQCC Regulations, should cover all discharges of effluent or leachate at the site or adjacent to the site. Included in the application should be plans for controlling spills and accidental discharges at the site.

A copy of the regulations is enclosed for your convenience. Three copies of the discharge plan application should be submitted.

Section 3-106.A. of the regulations requires a submittal of the discharge plan within 120 days of receipt of this notice unless an extension of this time period is sought and approved for good cause.

Ms. Terry D. Vandell May 25, 1990 Page -2-

If there are any questions on this matter, please feel free to call David Boyer at 827-5812, Roger Anderson at 827-5884 or Bill Olsen at 827-5885 as they have the assigned responsibility for review of all discharge plans.

Sincerely,  $\cap$ 0 William J. LeMay Director

WJL/RCA/sl

cc: OCD Aztec Office

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

June 15, 1990

CERTIFIED MAIL RETURN RECEIPT NO. P-918-402-329

Terry D. Vandell Dames and Moore 127 South 500 East, Suite 300 Salt Lake City, Utah 84102

### RE: SLURRY WALL CONSTRUCTION AT THE MAVERIK REFINERY AND TANK FARM KIRTLAND, NEW MEXICO

Dear Ms. Vandell:

The New Mexico Oil Conservation Division (OCD) has completed review of the May 30, 1990 "SCOPE OF WORK, TECHNICAL SPECIFICATIONS AND DRAWINGS" for the slurry wall and the June 7, 1990 "ADDITIONAL INFORMATION FOR SLURRY WALL DESIGN AND LOCATION AT MAVERIK COUNTRY STORES, INC. TANK FARM, KIRTLAND, NEW MEXICO".

The OCD approves of the installation of a slurry wall in the tank farm area, as presented in the above documents, to contain highly contaminated ground water prior to initiation of a ground water remediation program.

OCD approval of the slurry wall for containment of highly contaminated ground water does not constitute approval of the remediation system proposed. The additional information requested in OCD's April 20, 1990 correspondence with Dames and Moore still must be submitted before OCD can complete a review of the proposed remediation system.

OCD approval of the slurry wall system does not limit remediation to the area contained by the slurry wall if other areas of contaminated ground water related to the refinery activities outside of the slurry wall exceed New Mexico Water Quality Control Commission water quality standards. In addition, other contaminated areas such as the sludge areas identified in the June 1988 "PHASE II SUBSURFACE SOIL AND SOLID WASTE CONTAMINANT EVALUATION, MAVERIK REFINERY AND TANK FARM, KIRTLAND, NEW MEXICO FOR MAVERIK COUNTRY STORES, INC" also need to be addressed in the site remediation plan.

Please be advised that OCD approval of the slurry wall installation does not relieve you of liability actionable under any other laws and/or regulations. If you have any questions please call me at (505) 827-5885.

Sincerely

William C. Olson Hydrogeologist

WCO

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xc: William Call, Maverik Country Stores, Inc. William J. Lemay, OCD Director Frank Chavez, OCD Aztec District Office Dave Tomko, EID Farmington STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS GOVERNOR

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

August 13, 1990

CERTIFIED MAIL RETURN RECEIPT NO. P-918-402-339

Terry D. Vandell Dames and Moore 127 South 500 East, Suite 300 Salt Lake City, Utah 84102

RE: SOIL/SLUDGE DISPOSAL PLAN MAVERIK REFINERY AND TANK FARM KIRTLAND, NEW MEXICO

Dear Ms. Vandell:

The New Mexico Oil Conservation Division (OCD) has completed review of the July 26, 1990 "SOIL/SLUDGE DISPOSAL" proposal submitted by Dames and Moore for the Maverik Country Stores, Inc. Refinery and Tank Farm in Kirtland, New Mexico. The OCD approves of Dames and Moores proposal for removal of contaminated soil from the eastern sludge pit and tank farm area with the following changes and conditions as agreed during conversations between OCD and Dames and Moore on August 9, 1990:

- The OCD will allow disposal of contaminated soils at the Envirotech Solids Disposal Facility south of Bloomfield, New Mexico.
- 2) Sludge from the eastern sludge pit will not be taken to the Envirotech Solids Disposal Facility. Dames and Moore will transport the sludge to CSI for proper disposal.
- 3) The definition of sludge from the eastern sludge pit will include a four inch buffer of soil surrounding the physical limit of the sludge.

- 4) Contaminated soils from the bottom of each excavated area will be sampled and submitted for appropriate laboratory analyses to determine if further remediation is required.
- 5) All soils above the following contaminant levels, determined by laboratory analysis, will be remediated:
  - If the sum of all detected aromatics is greater than 50 part per million (ppm), or the benzene concentration is greater than 10 ppm.
  - If the concentration of total petroleum hydrocarbons is greater than 100 ppm.
  - If the concentration of any heavy metals are greater than one-fifth of RCRA EP toxic levels.
- Clean fill will be used for all backfilling of excavated areas.
- 7) Soil samples will be taken from the excavated areas prior to backfilling to confirm that remediation levels have been attained.
- 8) A report will be submitted to OCD upon completion documenting remediation performed including the limits of the excavated areas, volumes excavated, transportation manifests, all laboratory analyses performed and any other pertinent information.

OCD approval of the soil/sludge disposal remediation plan does not limit remediation to the areas proposed if other areas of contaminated soil related to refinery activities are identified during future investigations.

Please be advised that OCD approval of the soil/sludge remediation plan does not relieve you of liability which may be actionable under any other laws and/or regulations. If you have any questions please call me at (505) 827-5885.

Sincerely

William C. Olson Hydrogeologist

WCO

xc: William Call, Maverik Country Stores, Inc. Frank Chavez, OCD Aztec District Office Dave Tomko, EID Farmington STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 

GARREY CARRUTHERS

October 16, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Acres K. D. Mar

Kirfand

Terry D. Vandell Dames and Moore 127 South, 500 East Suite 300 Salt Lake City, Utah 84102-1959

RE: OCD SAMPLING OF MONITOR WELLS CARIBOU/MAVERIK REFINERY AND TANK FARM KIRTLAND, NEW MEXICO

Dear Ms. Vandell:

On September 13, 1990, the New Mexico Oil Conservation Division (OCD) split ground water samples from select Caribou/Maverik refinery monitor wells with Dames and Moore. Samples were analyzed for aromatic and halogenated volatile organics using EPA method 8010/8020. Enclosed you will find copies of the analytical results for monitor wells MW-9, MW-10, MW-14, MW-16 and MW-19.

Halogenated volatile organics were not detected in any of the samples. Low levels of purgeable volatile organics (benzene, toluene, ethylbenzene and xylene) were detected in samples from monitor wells MW-10, MW-14, MW-16 and MW-19. No purgeable volatile organics were detected in the sample from monitor well MW-9.

If you have any questions, please contact me at (505)827-5885.

Sincerely

William C. Olson Hydrogeologist

Enclosures

xc: Aztec OCD Office Dave Tomko, Farmington EID Office William Call, Maverik Country Stores, Inc.

# Inter Mountain

2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Laborato	ories, Inc.	,	Tel. (505) 32
	NMOCD-Caribou	DATE REPORTED:	09/27/90
ID:	9009131615	DATE ANALYZED:	09/18/90
SITE:	MW-9	DATE RECEIVED:	09/14/90
LAB NO:	F4994	DATE COLLECTED:	09/13/90

Analysis Requested: Purgeable aromatics in water.

Parameter	Concentration	Units
Benzene Toluene Ethylbenzene m/p-Xylene o-Xylene 1,4-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene Chlorobenzene	ND (0 ND (0 ND (0 ND (0 ND (0 ND (0 ND (0 ND (0	.2) ug/l .2) ug/l .2) ug/l .2) ug/l .2) ug/l .4) ug/l .3) ug/l .4) ug/l .2) ug/l

Method:

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8020 Aromatic Volatile Organics, SW-846, USEPA (1982). 602 Purgeable Aromatics, 40 CFR, Part 136.

(Detection limit in parenthesis.) ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer Senior Chemist

### RECEIVED

OCT 1 1990

OIL CONSERVATION DIV. SANTA FE

## RECEIVED

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	OCT 1 1990		2506 West Main Street
Inter Mc			Farmington, New Mexico 87401
Laborato			Tel. (505) 326-4737
CLIENT:	NMOCD-Caribou SANTA FE	DATE REPORTED:	09/27/90
ID:	9009131615	DATE ANALYZED:	09/18/90
SITE:	MW-9	DATE RECEIVED:	09/14/90
LAB NO:		DATE COLLECTED:	09/13/90
Analysis	Requested: Purgeable haloca		
	Parameter	Concent	ration
			(10)
	Chloromethane, ug/1		
	Bromomethane, ug/1		
	Dichlorodifluoromethane, ug		• •
	Vinyl chloride, ug/l		
	Chloroethane, ug/l		
	Dichloromethane (methylene		
	Trichlorofluoromethane, ug/		
	1,1-dichloroethene, ug/l		
	1,1-dichloroethane, ug/l		
	trans-1,2-dichloroethene, u		
	cis-1,2-dichloroethene, ug/		
	Chloroform, ug/l		
	1,2-dichloroethane, ug/1		• •
	1,1,1-trichloroethane, ug/l		
	Carbon tetrachloride, ug/l.		
	Bromodichloromethane, ug/l.		· · ·
	Bromochloromethane, ug/l		· ·
	1,2-Dichloropropane, ug/1		•
	1,3-Dichloropropane, ug/l		· ·
	1,2-Dibromoethane, ug/l		
	1,2-Dibromo-3-chloropropane		
	Trichloroethene, ug/l		. ,
	Dibromochloromethane, ug/l.		
	1,1,2-Trichloroethane, ug/l		
	1,1-dichloropropene, ug/l		
	2-chloroethyl vinyl ether,		• •
	Bromoform, ug/1	ND	
	1,1,1,2-tetrachloroethane,		
	1,1,2,2-tetrachloroethane,	-	
	Tetrachloroethene, ug/l		
	Chlorobenzene, ug/l		
	1,3-dichlorobenzene, ug/1		
	1,2-dichlorobenzene, ug/l		. ,
	1,4-dichlorobenzene, ug/l		· ·
	bis(2-cloroisopropyl)ether,	ug/l ND	
	Bromobenzene, ug/1		
	2-Chlorotoluene, ug/l		
	Dibromomethane, ug/1		
Method	1,2,3-Trichloropropane, ug/	1ND	(1.0)
1712-01 11111111			

Method:

601 Purgeable Halocarbons, 40 CFR Part 136, USEPA (1984). 8010 Halogenated Volatile Organics, SW-846, USEPA (1982). (Detection limit in parenthesis.)

ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer Senior Chemist

# Inter Mountain

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2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Laborato	rles, Inc.	·
CLIENT:	NMOCD-Caribou	DATE REPORTED:
ID:	9009131715	DATE ANALYZED:
SITE:	MW-10	DATE RECEIVED:
LAB NO:	F4995	DATE COLLECTED:

09/27/90 09/18/90 09/14/90 09/13/90

Analysis Requested: Purgeable aromatics in water.

Parameter	Concentration		Units
Benzene	ND	(0.2)	ug/l
Toluene	ND	(0.2)	ug/l
Ethylbenzene	ND	(0.2)	ug/l
m/p-Xylene	0.6	(0.2)	ug/l
o-Xylene	ND	(0.2)	ug/l
1,4-Dichlorobenzene	ND	(0.4)	ug/l
1,3-Dichlorobenzene	ND	(0.3)	ug/l
1,2-Dichlorobenzene	ND	(0.4)	ug/l
Chlorobenzene	ND	(0.2)	ug/l

Method:

8020 Aromatic Volatile Organics, SW-846, USEPA (1982). 602 Purgeable Aromatics, 40 CFR, Part 136.

(Detection limit in parenthesis.) ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer Senior Chemist



OCT 1 1990

OIL CONSERVATION DIV. SANTA FE

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iα	OCT 1 1990		
	OIL CONSERVATION DIV.		2506 West Main Street
Inter Mc	ountain SANTA FE		Farmington, New Mexico 87401
Laborato	ries. Inc.		Tel. (505) 326-4737
CLIENT:		REPORTED:	09/27/90
ID:		NALYZED: RECEIVED:	09/18/90 09/14/90
SITE: LAB NO:		LLECTED:	09/13/90
	Requested: Purgeable halocarbons i		03/10/00
Andry513	Parameter	Concent	ration
	Chloromethane, ug/l	ND	(10)
	Bromomethane, ug/1		(10)
	Dichlorodifluoromethane, ug/1		(10)
	Vinyl chloride, ug/l		(10)
	Chloroethane, ug/l		(1.0)
	Dichloromethane (methylene chlorid	le) ND	(1.0)
	Trichlorofluoromethane, ug/l		(1.0)
	1,1-dichloroethene, ug/l		(1.0)
	1,1-dichloroethane, ug/l		(1.0)
	trans-1,2-dichloroethene, ug/l		(1.0)
	cis-1,2-dichloroethene, ug/l		(1.0)
	Chloroform, ug/l		(1.0)
	1,2-dichloroethane, ug/1		(1.0)
	1,1,1-trichloroethane, ug/l		(1.0)
	Carbon tetrachloride, ug/l Bromodichloromethane, ug/l		(1.0) (1.0)
	Bromochloromethane, ug/1		(1.0)
	1,2-Dichloropropane, ug/1		
	1,3-Dichloropropane, ug/1		
	1,2-Dibromoethane, ug/1		
	1,2-Dibromo-3-chloropropane, ug/l.		
	Trichloroethene, ug/1		(1.0)
	Dibromochloromethane, ug/1		
	1,1,2-Trichloroethane, ug/l		
	1,1-dichloropropene, ug/l		(1.0)
	2-chloroethyl vinyl ether, ug/1	ND	(10)
	Bromoform, ug/1		
•	1,1,1,2-tetrachloroethane, ug/l		
	1,1,2,2-tetrachloroethane, ug/l		
	Tetrachloroethene, ug/1		
	Chlorobenzene, ug/1	ND	• •
	1,3-dichlorobenzene, ug/l	ND	• •
	1,2-dichlorobenzene, ug/l	ND	
	1,4-dichlorobenzene, ug/l		
	bis(2-cloroisopropyl)ether, ug/l Bromobenzene, ug/l		
	2-Chlorotoluene, ug/1		
	Dibromomethane, ug/1		
	1,2,3-Trichloropropane, ug/1		
Method:	_,_,		(/

601 Purgeable Halocarbons, 40 CFR Part 136, USEPA (1984). 8010 Halogenated Volatile Organics, SW-846, USEPA (1982). (Detection limit in parenthesis.)

ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer Senior Chemist

# inter-Mountain

2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

ories. Inc.		lei. (50
NMOCD-Caribou	DATE REPORTED:	09/27/90
9009131530	DATE ANALYZED:	09/18/90
MW-14	DATE RECEIVED:	09/14/90
F4996	DATE COLLECTED:	09/13/90
	9009131530 MW-14	NMOCD-CaribouDATE REPORTED:9009131530DATE ANALYZED:MW-14DATE RECEIVED:

Analysis Requested: Purgeable aromatics in water.

Parameter	Concentration		Units
Benzene	ND	(0.2)	ug/l
Toluene	ND	(0.2)	ug/l
Ethylbenzene	ND	(0.2)	ug/l
m/p-Xylene	0.4	(0.2)	ug/l
o-Xylene	ND	(0.2)	ug/l
1,4-Dichlorobenzene	ND	(0.4)	ug/l
1,3-Dichlorobenzene	ND	(0.3)	ug/l
1,2-Dichlorobenzene	ND	(0.4)	ug/l
Chlorobenzene	ND	(0.2)	ug/l

Method:

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8020 Aromatic Volatile Organics, SW-846, USEPA (1982). 602 Purgeable Aromatics, 40 CFR, Part 136.

(Detection limit in parenthesis.) ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer Senior Chemist

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OCT 1 1990

OIL CONSERVATION DIV. SANTA FE

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			2506 West Main Street
Later (Me	OCT 1 1990		Farmington, New Mexico 87401
InterMo			Tel. (505) 326-4737
Laborator CLIENT :		FED -	09/27/90
ID:	NMOCD-Caribou SANTA FE DATE REPORT 9009131530 DATE ANALYZ		09/18/90
SITE:	MW-14 DATE RECEIV		09/14/90
LAB NO:	F4996 DATE COLLECT		09/13/90
	Requested: Purgeable halocarbons in wat		00,10,00
Analysis			ration
	Chloromethane, ug/l	ND	(10)
	Bromomethane, ug/1	ND	(10)
	Dichlorodifluoromethane, ug/1	ND	(10)
		ND	(10)
	Vinyl chloride, ug/l Chloroethane, ug/l	ND	(1.0)
	Dichloromethane (methylene chloride)	ND	(1.0)
		ND	(1.0)
	Trichlorofluoromethane, ug/l	ND	(1.0)
	1,1-dichloroethene, ug/l	ND	(1.0)
	1,1-dichloroethane, ug/l	ND	(1.0)
	trans-1,2-dichloroethene, ug/l	ND	(1.0)
	cis-1,2-dichloroethene, ug/l	ND	(1.0)
	Chloroform, ug/l	ND	
	1,2-dichloroethane, ug/l	ND	(1.0) -
	1,1,1-trichloroethane, ug/l Carbon tetrachloride, ug/l	ND	(1.0)
	Bromodichloromethane, ug/1	ND	(1.0)
	Bromochloromethane, ug/1	ND	(1.0)
	1,2-Dichloropropane, ug/1	ND	(1.0)
	1,3-Dichloropropane, ug/1	ND	(1.0)
	1,2-Dibromoethane, ug/1	ND	(1.0)
	1,2-Dibromo-3-chloropropane, ug/l	ND	(1.0)
	Trichloroethene, ug/l	ND	(1.0)
	Dibromochloromethane, ug/1	ND	(1.0)
	1,1,2-Trichloroethane, ug/l	ND	(1.0)
	1,1-dichloropropene, ug/1	ND	(1.0)
	2-chloroethyl vinyl ether, ug/l	ND	(10)
	Bromoform, ug/1	ND	(1.0)
	1,1,1,2-tetrachloroethane, ug/l	ND	(1.0)
	1,1,2,2-tetrachloroethane, ug/1	ND	(1.0)
	Tetrachloroethene, ug/1	ND	
	Chlorobenzene, ug/1	ND	(1.0)
	1,3-dichlorobenzene, ug/1	ND	(1.0)
	1,2-dichlorobenzene, ug/1	ND	(1.0)
	1,4-dichlorobenzene, ug/1		
	bis(2-cloroisopropyl)ether, ug/1	ND ND	(1.0) (1.0)
	Bromobenzene, ug/1		
	2-Chlorotoluene, ug/1	ND	
	Dibromomethane, ug/1	ND ND	
	1,2,3-Trichloropropane, ug/1	ND	
Method:	1,2,3-1110mtoropropane, ug/1	ND	(1.0)

601 Purgeable Halocarbons, 40 CFR Part 136, USEPA (1984). 8010 Halogenated Volatile Organics, SW-846, USEPA (1982). (Detection limit in parenthesis.)

ND - Parameter not detected at the stated detection limit.

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C. Neal Schaeffer Senior Chemist

# inter Mountain

2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Laborato	ries. inc.		1 81. (5
		DATE REPORTED:	09/27/90
ID:	9009131430	DATE ANALYZED:	09/18/90
SITE:	MW-16	DATE RECEIVED:	09/14/90
LAB NO:	F4997	DATE COLLECTED:	09/13/90
	CLIENT: ID: SITE:	Laboratories, Inc. CLIENT: NMOCD-Caribou ID: 9009131430 SITE: MW-16 LAB NO: F4997	CLIENT:NMOCD-CaribouDATE REPORTED:ID:9009131430DATE ANALYZED:SITE:MW-16DATE RECEIVED:

Analysis Requested: Purgeable aromatics in water.

Parameter	Concentrat:	Units		
Benzene Toluene Ethylbenzene m/p-Xylene 0-Xylene 1,4-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene Chlorobenzene	ND 0.6 0.4 1.0 1.8 ND ND ND ND	(0.2) (0.2)	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	

Method: 8020 Aromatic Volatile Organics, SW-846, USEPA (1982). 602 Purgeable Aromatics, 40 CFR, Part 136.

(Detection limit in parenthesis.) ND - Parameter not detected at the stated detection limit.

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C. Neal Schaeffer Senior Chemist

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OCT 1 1990

OIL CONSERVATION DIV. SANTA FE

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OCT 1 1990

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								West Main Street
InterMo		DIL CONSE	RVATION DIV	1.				lew Mexico 87401
Laborato	ries, Inc.	SAN	ITA FE		מיסס	ORTED:	09/27/9	el. (505) 326-4737
CLIENT:	NMOCD-Caribou					LYZED:	09/18/9	
ID:	9009131430					EIVED:	09/18/9	
SITE:	MW-16					ECTED:	09/14/9	
LAB NO:	F4997	raphia					03/10/3	0
Analysis	Requested: Purg Parameter		natuca	r bolis		Concent:	ration	
	rarameter							
	Chloromethane,	$u\alpha/1$ .				ND	(10)	
	Bromomethane, u						(10)	
	Dichlorodifluor						(10)	
	Vinyl chloride,					ND	(10)	
	Chloroethane, u					ND		
	Dichloromethane					ND	• •	
	Trichlorofluoro						•	
	1,1-dichloroeth					ND	-	
	1,1-dichloroeth					ND		
	trans-1,2-dich		-			ND		
	cis-1,2-dichlor			-		ND		
	Chloroform, ug,		-			ND		
	1,2-dichloroeth					ND		
	1,1,1-trichlord		-			ND	(1.0)	
	Carbon tetrach					ND	(1.0)	
	Bromodichlorome					ND	(1.0)	
	Bromochlorometh		-				(1.0)	
	1,2-Dichloropro						(1.0)	
	1,3-Dichloropro	opane,	ug/l			ND	(1.0)	
	1,2-Dibromoetha	ane, u	g/l			ND	(1.0)	
	1,2-Dibromo-3-0	chloro	propane	, ug/3	1	ND	(1.0)	
	Trichloroethene	∍, ug/	1			ND	(1.0)	
	Dibromochlorom	ethane	, ug/l.			ND	(1.0)	
	1,1,2-Trichloro						(1.0)	
	1,1-dichloropro						• •	
	2-chloroethyl						(10)	
	Bromoform, ug/	1				ND	(1.0)	
	1,1,1,2-tetracl						(1.0)	
	1,1,2,2-tetracl						(1.0)	
	Tetrachloroethe							
	Chlorobenzene,						• •	
	1,3-dichlorober						• •	
	1,2-dichlorober						• •	
	1,4-dichlorobe		-				• •	
	bis(2-cloroiso)						• •	
	Bromobenzene,	-						
	2-Chlorotoluen	-						
	Dibromomethane							
	1,2,3-Trichlor	opropa	ne, ug/	±	• • • •	ND	(1.0)	
Method:								

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601 Purgeable Halocarbons, 40 CFR Part 136, USEPA (1984). 8010 Halogenated Volatile Organics, SW-846, USEPA (1982). (Detection limit in parenthesis.)

ND - Parameter not detected at the stated detection limit.

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C. Neal Schaeffer Senior Chemist

## inter-Mountain

2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Loborati	ories, Inc.		lei. (5
	NMOCD-Caribou	DATE REPORTED:	09/27/90
ID:	9009131800	DATE ANALYZED:	09/18/90
SITE:	MW-19	DATE RECEIVED:	09/14/90
LAB NO:	F4998	DATE COLLECTED:	09/13/90

Analysis Requested: Purgeable aromatics in water.

Parameter	Concentrat:	Units	
Benzene Toluene Ethylbenzene m/p-Xylene o-Xylene 1,4-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene Chlorobenzene	0.6 0.7 0.5 0.9 1.1 ND ND ND	(0.2) (0.2) (0.2) (0.2) (0.2) (0.4) (0.3) (0.4) (0.2)	ug/l ug/l ug/l

Method:

8020 Aromatic Volatile Organics, SW-846, USEPA (1982). 602 Purgeable Aromatics, 40 CFR, Part 136.

(Detection limit in parenthesis.) ND - Parameter not detected at the stated detection limit.

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C. Neal Schaeffer Senior Chemist

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OIL CONSERVATION DIV. SANTA FE

# inter Mountain

2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737 10/09/90

	ountain			Tallington, New
Laborato	ories, Inc. NMOCD-Caribou	DATE	<b>REPORTED</b> :	Tel. ( 10/09/90
ID:	9009131800		ANALYZED:	09/20/90
SITE:	MW-19		RECEIVED:	09/14/90
LAB NO:	F4998		OLLECTED:	09/13/90
	Requested: Purgeable			03/10/00
Allarysis	Parameter	- natocarbons	Concentr	ation
	Farameter			
	Chloromethane, ug/1.		ND	(100)
	Bromomethane, ug/1.			(100)
	Dichlorodifluorometh			(100)
	Vinyl chloride, ug/l			(100)
	Chloroethane, ug/1.			(10)
	Dichloromethane (met			(10)
	Trichlorofluorometha			(10)
	1,1-dichloroethene,			(10)
	1,1-dichloroethane,			(10)
				(10)
•	trans-1,2-dichloroet			
	cis-1,2-dichloroethe	_		(10)
	Chloroform, ug/1			(10)
	1,2-dichloroethane,			(10)
	1,1,1-trichloroethar	_		(10)
	Carbon tetrachloride	-		(10)
	Bromodichloromethane			(10)
	Bromochloromethane,			(10)
	1,2-Dichloropropane,			(10)
	1,3-Dichloropropane,			(10)
	1,2-Dibromoethane, u			(10)
	1,2-Dibromo-3-chloro			(10)
	Trichloroethene, ug,	1	ND	(10)
	Dibromochloromethane	e, ug/l	ND	(10)
	1,1,2-Trichloroethan	ne, ug/1	ND	(10)
	1,1-dichloropropene,	, ug/1	ND	(10)
	2-chloroethyl vinyl	ether, ug/l	ND	(100)
	Bromoform, ug/1		ND	(10)
	1,1,1,2-tetrachloroe	ethane, ug/l	ND	(10)
	1,1,2,2-tetrachloroe	ethane, ug/l	ND	(10)
	Tetrachloroethene, w	1g/1	ND	(10)
	Chlorobenzene, ug/1			(10)
	1,3-dichlorobenzene			(10)
	1,2-dichlorobenzene			(10)
	1,4-dichlorobenzene	. ug/1	ND	(10)
	bis(2-cloroisopropy)			(10)
	Bromobenzene, ug/1.			(10)
	2-Chlorotoluene, ug,	/1	ND	(10)
	Dibromomethane, ug/			(10)
	1,2,3-Trichloropropa			(10)
Method:	_,_,piop			()

Method:

601 Purgeable Halocarbons, 40 CFR Part 136, USEPA (1984). 8010 Halogenated Volatile Organics, SW-846, USEPA (1982). (Detection limit in parenthesis.)

ND - Parameter not detected at the stated detection limit.

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C. Neal Schaeffer Senior Chemist

#### STATE OF NEW MEXICO



### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 

GARREY CARRUTHERS

June 1, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Mrs. William Walker 15 Road 6271 Kirtland, New Mexico 87417

Dear Mrs. Walker:

On April 12, 1990, the New Mexico Oil Conservation Division (OCD) collected a water sample from your private well for analysis of the presence of petroleum hydrocarbons which may be related to the past activities of the Caribou/Maverik Refinery in Kirtland, New Mexico. Enclosed you will find the results of the analyses.

The analytical results show that your well water contains a trace amount of 1,2-Dichloroethane, an organic chemical often associated with leaded gasoline. Although 1,2-Dichloroethane was detected, the concentration could not be quantified because it was present at a concentration lower than the one ppb detection limit of the laboratory equipment. The state of New Mexico Water Quality Control Commission ground water standard for 1,2-Dichloroethane is 10 parts per billion (ppb). The presence of 1,2-dichloroethane in your well indicates that very low levels of this petroleum related contaminant are present in the shallow ground water, but the amount of the contaminant is too small to be a threat to human health.

The OCD would like to contact you in the future to resample your well in order to monitor the water quality of the aquifer in your area. If you have any questions please contact me at 827-5885.

Sincerely,

William C. Olson Hydrogeologist

Enclosures

xc: Frank Chavez, OCD Aztec District Office Terry Vandell, Dames and Moore Dave Tomko, EID Farmington Office

ORGANIC CHEMISTRY ANALYTICAL REQUE	EST FORM			- 0549-0
SCIENTIFIC LABORATORY DIVISION		SLD	No. 90	-0349-6
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM Organic Chemistry Section - Telephone: (505) 841-	0570	Dat Rec	e selved: <u>214.00</u>	1 dece
2 User	est ID No. 000	783-C 4	Priority 2	[#f *1* or "2", call EID-SLD
	6 County:		Code #:	Coordinator
5 Facility Name: Cacillon Refuge		nan I	Kitter	AI M
9 Sample	<u></u>		111010	
				<u> </u>
By: Birst OILst.	On: <u></u> 	/04//2_ (YY/MM/DD)	At: / 6 0	Clock
11]Codes:		12 Latitude	(DDMMSS)	
Submitter WSS #	Organization	Longitude (Di		2 Digit ID (If needed)
13 Report Name Dill Olson 14 P	hone #: \$27-5885			
Address N. M. Oil Conscruction Di	wision	15 Sample Purpose:	Sampling Informa	ation: (Composite
P.O. Dox 2088		□- Compliance □- Check	- Composite	tioned Period
City, State Zip SEATE TE N.M. 87,534	-2088	Monitoring 	Equal Alique Sample Split w/ Chain of Custoc	Permittee
16 Field Data: PH:, Conductivity:umhos @	C, Temperature:	Chlorine	mg/l, Flow	/:
17 Sample Source:	18 Field Notes/ Sample #:			
-Lake -  - Ci-Spring -	Walker	Private We	2/1	
-Drain -Distribution -Pool -Pool -Point-of-Entry				
WWTPOther:				
19       Sample Type: X-Water, □-Soil, □-Food,         □-Wastewater, □-Other         This form accompanies a single sample consisting of:	P-ice Sample store	on; Sample stored at f in an ice bath (Not F rved with Sodium Thi	Frozen) osulfate to remove c	
<u></u>	- P-HCI Sample Prese			
21 Analyses Requested: Please check the appropria	ate box(es) below to indica	te the type of anal	ytical screen(s)	
required. Whenever possit	ole, list specific compound:	s suspected or red	quired.	
Volatile Screens:	Semivolatile	Screens:		
- (753) Aliphatic Headspace (1-5 Carbons)		cid Extractables		n en de la composition Agrico de tradición
- (754) Aromatic & Halogenated Purgeables (EPA 6 - (765) Mass Spectrometer Purgeables (EPA 624)		liphatic Hydrocar ase/Neutral Extra		5)
- (766) SDWA Total Trihalomethanes (EPA 501.1)	(756) E	ase/Neutral/Acid	Extractables (E	
- (774) SDWA VOC's I [8 Regulated +] (EPA 502.2) - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)		lerbicides, Chloro Ierbicides, Triazin	· · · · · · · · · · · · · · · · · · ·	
Other Specific Compounds or Clas		rganochlorine Pe		
	- (voi) (	Organophosphate		···· ·
		olychlorinated Bi		IS
│		DWA Pesticides		
Remarks:			e estas da talendaria.	
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		· · · · · · · · · · · · · · · · · · ·		
	na ( 1864 - 1 1666) and a characteristic and a characteristic and a characteristic and a characteristic and a c		<u></u>	
SLD 8912-OR Form New 12/89 This Form Will N	NOT Be Returned With You	Ir Results. Please	RETAIN A COF	PYI

STATE OF NEW MEXICO

### HEALTH AND ENVIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE Albuquerque, NM 87106 [505]-841-2500 ORGANIC CHEMISTRY SECTION [505]-841-2570

April 27, 1990

Request ID No. 000783

### ANALYTICAL REPORT

SLD Accession No. OR-90-0549

To: Olson NM Oil Consv. Div. State Land Office Bldg. P.O. Box 2088 Santa Fe. NM 87504-2088  $\frac{Distribution}{(\blacksquare)}$  Submitter ( $\underline{\bigotimes}$ ) SLD Files

From: Organic Chemistry Section Scientific Laboratory Div. 700 Camino de Salud, NE Albuquerque, NM 87106

Re: A water, Purgeable sample submitted to this laboratory on April 16, 1990

DEMOGRAPHIC DATA COLLECTION LOCATION On: 12-Apr-90 Caribon Refinery/Walker Well  $B_{V}$ : Ols . . . At: 18:00 hrs. In/Near: Kirtland ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen Parameter Value MDL Units Note 1,2-Dichloroethane 0.00 Т 1.00 ppb Aromatic Purgeables (6) 0.00 Ν 1.00 ppb See Laboratory Remarks for Additional Information Notations & Comments: MDL = Minimal Detectable Level. A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;T = Trace (< Detection Limit); U = Compound Identity Not Confirmed.Evidentiary Seals: Not Sealed  $\forall;$  Intact: No , Yes & Broken By: \_ Date: Laboratory Remarks: QUALITY CONTROL SUMMARY FOR VOLATILES SCREEN METHOD BLANK: A laboratory method blank was analyzed along with this sample to assure the absence of interfering contaminants from lab reagents, instruments, or the general laboratory environment. Unless listed below, no contaminants were detected in this blank above the reported detection limit. COMPOUND DETECTED CONCENTRATION (PPB) No Compounds Detected SURROGATE RECOVERIES: SURROGATE CONCENTRATION % RECOVERY 105.8 Fluorobenzene 25 dqq 2-Bromo-1-chloropropane 15 ppb 91.4 The % recoveries for compounds in the batch SPIKE RECOVERY:

(Continued on page 2.)

ANALYTICAL REPORT SLD Accession No. OR-90-0549 Continuation, Page 2 of 2

spike were from 80% to 120% with the exception of the compounds listed below:

COMPOUND Vinyl chloride Dichloroethene-1,1 Trichloroethane-1,1,1 Dichloroethane-1,2 Dichlorobenzene-1,4

CONCENTRATION 50.0 ppb 50.0 ppb 50.0 ppb 50.0 ppb 50.0 ppb

% RECOVERY 54.4 79.8 77.4 123.6 126.4

Analyst: Steve R. Davis

Analyst Organic Chemistry

Analysis Date

4-20 % Reviewed By: 90 Richard F. Meyerhein 04/25/90 Supervisor, Organic Chemistry Section APPENDIX B

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 DOCUMENTATION:

WASTE DISPOSAL TRANSPORTATION MANIFESTS AND INVOICES

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### APPENDIX B

#### DOCUMENTATION: WASTE DISPOSAL TRANSPORTATION MANIFESTS AND INVOICES

As requested by the OCD (Bill Olson), for purposes of documentation, enclosed are the final sludge and contaminated soil waste disposal invoices, waste transportation and disposal manifests from CSI (and Munchiando Trucking) and Envirotech (and Moss Excavation, Aranda and Atencio Trucking), and a final invoice from the Lower Valley Water Users Association for the 10,800 gallons of water used in site remediation.



### RECEIVED SEP 1 1 1990

INVOICE NO.

CONSERVATION SERVICES, INC. 2090 East 104th Ave. Suite 300 DENVER, COLORADO 80233 (303) 280-9336 FAX (303) 280-9848 109451 [MV0][C@

From Order# 9078

	0.		
3010 1	<sup>o:</sup> dames & moore	MJ	SHIP TO: DAMES & MOORE - MJ
	SUITE 1200		MAVERIK COUNTRY STORES, INC.
	1125 17TH STREET		US HWY 550
	DENVER, CD	80202-2027	KIRKLAND, NM
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Thank You

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### CONSERVATION SERVICES, INC. 2090 East 104th Ave. Suite 300 DENVER, COLORADO 80233 (303) 280-9336 FAX (303) 280-9848

DLD TO: DAMES & MOORE

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SHIP TO: DAMES & MOORE

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COMPANY NAME		Country Stores, Inc.	2110.0/57							
BUSINESS ADDRESS P.O. Box 457, Afton, Wyoming 83110-0457 ADDRESS OF SHIPMENT ORIGIN U.S. Highway 550, Kirtland, NM										
AUTHORIZED CONTACT Terry Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255										
RECEIVER'S NAME CONSERVATION SERVICES, INC. BUSINESS ADDRESS 2090 E. 104th Avenue Denver, CO 80233 OFFICE PHONE. 280-9336										
										SITE ADDRESS 41800 E. 88th Avenue Bennett, CO 80102 SITE PHONE 1-644-4335
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		Crude Oil Tank								
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knowledge.		DATE: 8/10/90	AGENT X CALL							
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		DATE:	ABOVE NAME: THOMAS MCHUGH							
PART III: TO	BE COMPL	ETED BY RECEIVER								
RECEIVERS NAME		VATION SERVICES, INC.								
PHONE NO. S	ite - 1-644-4	335 Office - 280-9336	4.							
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Tax. 200		INDUSTRIAL WASTE	DISPO	SAL MANIFEST				
PART I: TO B	ECOMPLET	TED BY SHIPPER/GENERAT	OR					
COMPANY NAME	Maverik	Country Stores, Inc.						
BUSINESS ADDRES	s P.O. Bo	x 457, Afton, Wyoming 8	3110-04	\$57				
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtl	and, NM	<u>1</u>				
AUTHORIZED CON	Terr	y Vandell, Dames & Moore		EMERGENCY PHONE (801) 521-9255				
RECEIVER'S NAME	CONSE	RVATION SERVICES, INC.						
BUSINESS ADDRE	ss 2090 E.	104th Avenue Denver, CO	80233	OFFICE PHONE. 280-9336				
		8th Avenue Bennett, CO 80		SITE PHONE 1-644-4335				
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PHONE NO. SI	te - 1-644-4							
SITE ADDRESS	41800 E. 8	8th Avenue Bennett, CO 80	102					
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2090 E. 104th Ave. 418 Denver, CO 80233 Ber	<b>RVICES, INC.</b> CILITY 300 E. 88th Ave. anett, CO 80102 3) 1-644-4335		,	№ 0312	16
Fax: 280-9848	NDUSTRIAL WASTE I	DISPOS	AL MANIFEST		
PART I: TO BE COMPLETE	D BY SHIPPER/GENERAT	TOR			
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BUSINESS ADDRESS P.O. BOX	457, Afton, Wyoming 83	3110-0457			
ADDRESS OF SHIPMENT ORIGIN	U.S. Highway 550, Kirt	tland, NM	;		
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RECEIVER'S NAME CONSERV	ATION SERVICES, INC.				2 2 2
BUSINESS ADDRESS 2090 E. 1	04th Avenue Denver, CO	80233	DFFICE PHONE. 280-	9336	· - 
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BUSINESS ADDRESS 7071	E. 66th Au	IE U	DENVER	, CD.	
PHONE NO. 288-475			<u> </u>	0	·
I certify that the materials in the quantity by me for shipment to the above destina		SIGNATURE OF AUTHORIZED AGENT	× Dreg N.V.		· .
	DATE: 428 90	TYPE OR PRINT ABOVE NAME:	GREG NI	ù	
PART III: TO BE COMPLE	TED BY RECEIVER				
RECEIVERS NAME CONSERV	ATION SERVICES, INC.				
PHONE NO. Site - 1-644-43	35 Office - 280-9336			1	
SITE ADDRESS 41800 E. 88t	h Avenue Bennett, CO 80	0102			1
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	DATE: 8-29-90	TYPE OR PRINT ABOVE NAME:	Trou	F Easter	bene

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PART I: TO BE	•	TED BY SHIPPER/GENERAT ik Country Stores, Inc.	ror					
COMPANY NAME	P.O.	Box 457, Afton, Wyoming	83110-0457					
BUSINESS ADDRES	S	U.S. Highway 550, Kirt	· · · · · · · · · · · · · · · · · · · ·					
ADDRESS OF SHIP	Torry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255					
RECEIVER'S NAME	CONSE	RVATION SERVICES, INC.						
BUSINESS ADDRES	s 2090 E.	104th Avenue Denver, CO	80233 OFFICE PHONE 280-9336					
SITE ADDRESS	<u>41800 E. 8</u>	8th Avenue Bennett, CO 80	0102 SITE PHONE 1-644-4335					
QUANTITY	UNITS	WASTE DESCRIPTION	CSI WASTE CODE NUMBER					
30		Eastern Sludge Pit	CO-02-082,190-040/9					
		Crude Oil Tank						
		Residue in Soils						
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PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER						
CARRIER NAME	MUNC	HIANDO TRUCK	51116					
BUSINESS ADDRE	iss 207	TE. 66th Au	VE DENVER, CO					
PHONE NO.	288 -4	4253						
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		DATE: 8-28-90	ABOVE NAME: DON ROE					
PART III: TO	BE COMPL	ETED BY RECEIVER						
RECEIVERS NAME	CONSER	RVATION SERVICES, INC.						
PHONE NO. SI	te - 1-644-4	335 Office - 280-9336	٠.					
SITE ADDRESS	<u>41800 E. 8</u>	8th Avenue Bennett, CO 80	)102					
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CONSERVATION SERVICES, INC. OFFICES FACILITY

41800 E. 88th Ave.

Bennett, CO 80102

(303) 1-644-4335

OFFICES 2090 E. 104th Ave. Denver, CO 80233 (303) 280-9336 Fax: 280-9848

#### INDUSTRIAL WASTE DISPOSAL MANIFEST

№ 031220

PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERAT	OR	······
COMPANY NAME	Maver	ik Country Stores, Inc.		·
BUSINESS ADDRES	s P.O. 1	Box 457, Afton, Wyoming	83110-	-0457
ADDRESS OF SHIP	MENT ORIGIN	J.S. Highway 550, Kirtla	und, NM	
AUTHORIZED CON	Terry	Vandell, Dames & Moore		(801) 521-9255
RECEIVER'S NAME	CONSEE	AVATION SERVICES, INC.		
BUSINESS ADDRES		104th Avenue Denver, CO	80333	OFFICE PHONE. 280-9336
SITE ADDRESS	41000 E. 00	3th Avenue Bennett, CO 80	102	SITE PHONE 1-644-4335
QUANTITY	UNITS	WASTE DESCRIPTION		CSI WASTE CODE NUMBER
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	7	Crude Oil Tank		
		Residue in Soils		
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		DATE:8/10/90	TYPE OR PR	
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RECEIVERS NAME	CONSEF	VATION SERVICES, INC.		
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SITE ADDRESS	41800 E. 8	8th Avenue Bennett, CO 80	102	
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CONSERVATION SERVICES, INC. OFFICES FACILITY

41800 E. 88th Ave.

Bennett, CO 80102

(303) 1-644-4335

OFFICES 2090 E. 104th Ave. Denver, CO 80233 (303) 280-9336 Fax: 280-9848

#### INDUSTRIAL WASTE DISPOSAL MANIFEST

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**№** 031222

		ED BY SHIPPER/GENERAT	ror	
		ox 457, Afton, Wyoming	83110-	0/57
BUSINESS ADDRE	SS F.U. D	Sox 4J7, Alton, wyoming		-0437
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtl	and, NN	1
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore		EMERGENCY PHONE (801) 521-9255
	11 Marco -			· · · · · · · · · · · · · · · · · · ·
RECEIVER'S NAME		VATION SERVICES, INC.		
BUSINESS ADDRE	ss 2090 E.	104th Avenue Denver, CO	80233	OFFICE PHONE. 280-9336
SITE ADDRESS	41800 E. 88	3th Avenue Bennett, CO 80	0102	SITE PHONE 1-644-4335
QUANTITY	UNITS	WASTE DESCRIPTION		CSI WASTE CODE NUMBER
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		Residue in Soils		
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		DATE: 8/10/90	TYPE OR PE ABOVE NAM	
PART II: TO E		TED BY CARRIER/DRIVER	KING	
BUSINESS ADDR	10	Box 430		THO SPGS CO RO452
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PHONE NO.	(30.3)	<u>288 - 4253</u> ty described above are received	SIGNATURE	
by me for shipment			AUTHORIZE	
		DATE: 08/28/90	TYPE OR PI	
PART III: TO	BE COMPL	ETED BY RECEIVER		
RECEIVERS NAME	CONSER	VATION SERVICES, INC.		
PHONE NO. S	ite - 1-644-4	335 Office - 280-9336		<b>`</b> \
SITE ADDRESS	41800 E. 88	3th Avenue Bennett, CO 80	0102	
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	WH	DATE: 8-29	TYPE OR P ABOVE NAI PINK - DISPC	

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**CONSERVATION SERVICES, INC.** FACILITY 2090 E. 104th Ave. 41800 E. 88th Ave. Bennett, CO 80102

(303) 1-644-4335

Denver, CO 80233 (303) 280-9336 Fax: 280-9848

OFFICES

#### INDUSTRIAL WASTE DISPOSAL MANIFEST

№ 031223

COMPANY NAME	Maveri	ik Country Stores, Inc.	•.
BUSINESS ADDRE	ss P.O. E	Box 457, Afton, Wyoming 83110	0-0457
ADDRESS OF SHIP		U.S. Highway 550, Kirtland,	, NM
AUTHORIZED CON		Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
AUTHORIZED CON	TACI LOLLY		
RECEIVER'S NAME		VATION SERVICES, INC.	
		104th Avenue Denver, CO 80233	OFFICE PHONE. 280-9336
BUSINESS ADDRE			
SITE ADDRESS	41800 E. 80	3th Avenue Bennett, CO 80102	SITE PHONE 1-644-4335
QUANTITY	UNITS	WASTE DESCRIPTION	CSI WASTE CODE NUMBER
20	Yds.	Eastern Sludge Pit	50-02-082/90-04012
		Crude Oil Tank	
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	the foregoing is tru	AUTHORIA AGENT	X _ Ulucion Call
knowledge.		ue and correct to the best of my AUTHORIA AGENT	PRINT William Call
knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI	BE COMPLE	DATE: 8/10/90 AUTHORIZAGENT DATE: 8/10/90 TYPE OR F ABOVE NA TED BY CARRIER/DRIVER	PRINT William Call
REART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	BE COMPLE	AUTHORIZAGENT DATE: 8/10/90 TYPE OR F ABOVE NA TED BY CARRIER/DRIVER Unchiands True Stanky Off. T 5/253	King Ling Cheno Sporings Or
REART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	BE COMPLE ESS 26 erials in the quanti	AUTHORIZAGENT AUTHORIZAGENT DATE: 8/10/90 TYPE OR I ABOVE NA TED BY CARRIER/DRIVER Unchiands Truc S Jan leg RID. T SJS3 ty described above are received SIGNATUR	X <u>Ulling</u> PRINT <u>William Call</u> <u>King</u> <u>Chang</u> <u>Sporngs</u> <u>Or</u> RE OF
REART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.SOS	BE COMPLE ESS 26 erials in the quanti	AUTHORIZAGENT DATE: 8/10/90 TYPE OR I ABOVE NA TED BY CARRIER/DRIVER Unchiands Truc Stanley Color Stanley	X Ullingall PRINT William Call Ling Clana Springs Or REOF X Dack Alendonom. PRINT On a Charlonson
knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI BUSINESS ADDRI PHONE NO.	BE COMPLE ESS 26 erials in the quanti to the above dest	DATE:     8     10     90     AUTHORIZAGENT       DATE:     8     10     90     TYPE OR I       ABOVE NA     ABOVE NA     ABOVE NA       TED BY CARRIER/DRIVER     10     10       Umchiando     700       Shah     90     10       Y described above are received ination.     SIGNATUR       DATE:     8     8	X Ullingall PRINT William Call Ling Clana Springs Or REOF X Dack Alendorom. PRINT On a Charlowson
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ART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS RECEIVER'S COM	BE COMPLE erials in the quanti to the above dest BE COMPL CONSER ite - 1-644-4 41800 E. 88 MENTS	AUTHORIZAGENT DATE: 8/10/90 TYPE OR I ABOVE NA TED BY CARRIER/DRIVER UNCHIANDS TOUC S JAN B, BJ- SJS ty described above are received ination. SIGNATUR AUTHORIZAGENT DATE: 8/28/90 TYPE OR I ABOVE NA ETED BY RECEIVER EVATION SERVICES, INC. 335 Office - 280-9336	RE OF RE OF RE OF RE OF RE OF RE OF ARE OF RE OF ARE O

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OFFI 2090 Denve (303)	<b>ISERVATION</b> CES E. 104th Ave. er, CO 80233 280-9336 280-9348	FACILITY 41800 Ea	<b>Y</b> ast 88th Ave. CO 80102	SERVICE RI	EQUEST	N∘ઉ	680	B
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<b>OFFI</b> 2090	E. 104th Ave.	FACILITY	st 88th Ave.		RVICE 6080
(303) FAX	280-9336 280-9848	(303) 644			DATE <u>8-27-90</u>
	<u>3-0088</u> DAMES		CONTACT MOGREE Y 550 KIRTLA		O. NO OVEE Minchacido MENT End Dimps(-7)
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DATE	TIME AM/PM	CODE		EXPLANATION	
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2090 E 2090 E Denve (303) 2	SERVATION SERVI           ES         FACILIT           104th Ave.         41800 Ea           r, CO 80233         Bennett, 0           280-9336         (303) 644           280-9848         Carrier 100 Carrier	Ň٥	6082	$\langle \bigcirc \rangle$				
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0000 2090 Denv (303) FAX	) E. 104th Ave. /er, CO 80233	FACILITY 41800 Ea Bennett, ( (303) 644	, st 88th Ave. CO 80102 -4335				608 2 - 2 - 78 - <b>9</b> 0
	03-10022	9				EMPLOYEE	funchiende
			<u>4 550</u>	KIRTI	AND, N.M	EQUIPMENT	End Dumps
LEAVE CSI 2. ARRIVE JOI 3. START LOA	DING	6.	FINISH LOADING PAPER WORK JOB FINISHED	1	8. START OFF LOAD 9. FINISH OFF LOAD 0. JOB FINISHED 1. LEAVE JOB SITE		12. ARRIVE CSI 13. SPECIAL (EXPLAIN) 14. STANDBY (EXPLAIN)
DATE	TIME AM/PM	CODE	(		EXPLANATIO	N	
2-28.90	7:00 A.M	· · ·	TLOAM	S OF	CONTR	MINIATI	ED
	/		SLUDB	E AT	20 00	1. UDS	EACH
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MMENTS:						WORK VERI	FICATION

CONSER OFFICES 2090 E. 104 Denver, CO (303) 280-92 Fax: 280-92 TADUSTRIAL WAST	ve. 02 5						1-02-082190-04011			
In order for us to dete	rmine whether we ca	n lawfull	v and safely	trans	nort tr	eat and dis	nose of vo	urwaste	e material, we must obtain certain informati	ion
a put the chemical a c estion by circling") r st be signed by th	nd physical propertie (ES" or "NO", checkir	es of the ng the ap	waste, and i propriate bo	its ch xes, o	emical r filling	compositio in the blank	n and reg s. Answer	ulatory s 's must be	status. Please be complete and answer ea e in ink or typewritten and the completed fo	ich irm
GENERATOR INF							C	USTOM	ER CONTACT	
STOMER NAME:	Maverik		ry Store	s, ]	[nc.		N		Ir. William Call	
N ILING ADDRESS:		: 457					TI	TLE_P	resident	
	Afton. W	lyomin	g 83110	-04.5	57		PI	HONE	(307)886-3551	
FACILITY ADDRESS:	U.S. Hig	hway	#550				Bi	ROKER	NAME Dames & Moore	
	Kirtland	NM_					BI	ROKER	CONTACT Terry Vandell	
IS BILLING ADDRES	S THE SAME AS MA	ILING A	DDRESS? _		_ YES	_XN	) BI	ROKER	PHONE # (801) 521-9255	<u> </u>
									VAL OF WASTE #	
OURCE OF WAS		<u> </u>				Describe t				
Waste Name: Soi	L beneath slud	lge at	Eastern	Slu	ıdge		efining	<u> </u>		
Process Generating		0			Pit					
Process Generating V	Crude Oi	1 Tan	k.		<u> </u>			-	County/State Agency & Private Party Drums OWoven Bags OPallets OOther	
-11	Residue				<u> </u>				□ Gallons □ Lbs. Ø Cubic Yards	
	·····									
	· · · · ·					□ Drums □ Other Per: □ Day □ Month □ Year or ☑ One Time				
	······						y 🗆 Mon			
	IES AND COMPOS									
APPEARANCE	2 PHASES	3 pH	🗆 8-10		4 FL		5 PHY		6 Chemical Composition () PPM	1
Grey	🛛 Single	□<2	□ 10-12.	5		DINT osed cup)			and Constituents ()% or % (must total 100%) Range	
ColorGrey	Bilayered	□ 2-6	□ > 12.5		(0.			d (water)		er
OdorHC	Multi-layered	<u>ज</u> ़्रि 6-8	Actua		<u></u>	100°F			See Enseco Results ( ) (	_)
F SPECIFIC	8 TOTAL SUSP				0 10	0°F-140°F	Damp Dry s		\$Ø_MESP_SO1() ()	_)
GRAVITY	SOLIDS (% W		(similar		014	0°F-160°F	D Powd		[() ()	_)
		-	1	,	DE 16	0°F-200°F	G Filter	cake		_)
□<0.8 □ 1.4-1.7		20			<b>□</b> >:	200°F	Soil	rata		_;
□ 0.8-1.0 □ > 1.7		Actual	Gt HONEY		0					_)
1.0-1.2	0 2-5	% Free				Actual	🗆 Lab p	ack		_)
<b>1.2-1.4</b>	0 5-20	Liquid	O WATER		ΠOx	idizer	C Other	erat ash		)
Tan			1			e.		······		
REGULATORY QU					1	WASTE				
the waste a hazard 40 CFR Part 261?	lous waste as define	d by RCI	RA in	Yes	No				product 🔲 Used oil fuel	
	rom a non anasifia a	ouroo lio	tod in 10	Yes	No				ocess   From a WWT system	
Is the waste stream f		burce ils	lea in 40	res	1.80			•••	pject  From a sand or grease trap	
the waste stream f	•	e listed i	n 40 CFR	Yes	No	Does the	waste cor	ntain:		
Part 261.32 (K Code:									1.0 🗆 1-10 🗆 10-25 🗆 25-50	
le the waste from a d				Yes	No				gens 🗆 Biocides 🗆 Infectious Waste	
	es, container residue		pill residue		^	-		-	Agents   Etiological Agents  Asbestos	
	.33 (P Codes and U (	-			_				] Pharmaceuticals 🛛 Gasoline 🗇 Oil Irocarbons	
Does the waste have 40 CFR 261.2, Subp		acteristic	cs listed in	Yes		WASTE				
	cally excluded from	hazardo	ous waste	Yes	Ŋo				sed on: 😡 Knowledge of Process	
bulations in 40 CF	R Part 261.4?								dent Analysis  MSDS's  Other	
If so, attach an expla Part 261.4 where the			of 40 CFR				-		oxicity (metals)	
	rith a hazardous was			Yes	No				TCLP X TOX D PCB D TPH D BTEX	
	legally treated for a		azardoue	Yes		🗆 Total M	letals 🗆 I		□ Method 8240 □ Method 8270	
characteristic? If so,		-	142414943	103		□ Other_				<del>_</del>
	NATORY									

President, Maverik

mereby certify that all information submitted, in this and all attached documents, is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, and that all known or suspected hazards have been disclosed. sample representative of the waste has been collected using EPA approved methods and has been or is being sent to CSI's laboratory.

PRINT NAME: William Call

	SIGNATURE: (V//m.au
Country Stores, Inc.	

<ul> <li>Denver, CO 80233 Bennett,</li> </ul>	TY 5. 88th Ave. 5. CO 80102 544-4335 TION DATA an lawfully and safely tran es of the waste, and its cl ng the appropriate boxes,	hemical	EPA I.D. N reat, and disp I compositio	O	e material, we must obtain co status, Please be complete	ertain information
GENERATOR INFORMATION				CUSTOM	ER CONTACT	
USTOMER NAME: Maverik Cou	intry Stores, Inc	с.			fr. William Call	
P.O. Box 45				TITLEP	resident	
Afton, WY	83110-0457			PHONE_	(307) 886-3551	·····
ACILITY ADDRESS: U.S. Highwa Kirtland, M	1 <u>y</u> #550			BROKER I	NAME Dames & Moo	)re
KILLING ADDRESS THE SAME AS MA		VES	X NC		CONTACT Terry Vande PHONE # (801) 521-9	9255
IS BILLING ADDRESS THE SAME AS MA	USTOMER #	163	NC	BROKER I	VAL OF WASTE #	<u>, 233</u>
SOURCE OF WASTE			Deceribet	he business of ge		
Waste Name: <u>Sludge_at_Eastern</u>	) Sludge Pit				SIC _	
Process Generating Waste Crude Oi	1 Tank Sludge				County/State Agency 😨 P	
					Drums OWven Bags OP	
· · · · · · · · · · · · · · · · · · ·		<u></u>			🗆 Gallons 🗆 Lbs. 🛽	
	<u> </u>				ar or 私 One Time	
			Per, Li Da			
WASTE PROPERTIES AND COMPOS	3 pH 🗆 8-10	4 FL		5 PHYSICAL	6 Chemical Composition	()PPM
Odor       Grey-black IX Single         Odor       HC         Odor       Multi-layered	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	PC (cl	DINT losed cup)	C PHYSICAL STATE □ Oil □ Liquid (water) ☑ Sludge □ Damp solid	and Constituents ()9 (must total 100%)	
Z         SPECIFIC GRAVITY         B TOTAL SUSP SOLIDS (% W           < 0.8         1.4-1.7         < 0.5         >           0.8-1.0         > 1.7         0.5-2.0            1.0-1.2          2-5         2-5	20 🔁 TAR	□ 140 □ 140 □ > 2 □ > 2 □ - 2	0°F-140°F 0°F-160°F 0°F-200°F 200°F Actual kidizer	<ul> <li>Damp solid</li> <li>Dry solid</li> <li>Powder</li> <li>Filter cake</li> <li>Soil</li> <li>Concrete</li> <li>Debris</li> <li>Lab pack</li> <li>Incinerat, ash</li> <li>Other</li> </ul>	SeeEnseco_Result 	
REGULATORY QUESTIONS			- WASTE	CLASSIFICATIO	1	
the waste a hazardous waste as define 40 CFR Part 261? It the waste stream from a non-specific s	-	s No X	ls the was Ø A spill c □ From a	te:	product  Used oil fuel Demolition/construction From a WWT syste ject  From a sand or grea	em
FR Part 261.31 (F Codes)? the waste stream from a specific sourc Part 261.32 (K Codes)?	e listed in 40 CFR Yes	s N≰p	Does the	waste contain:	1.0	
the waste from a discarded commercia of specification species, container residue sted in 40 CFR 261.33 (P Codes and U C	and/or spill residue	is No	Radioa     Pathog     Control	ctives	gens	bus Waste ts □ Asbestos
Does the waste have any hazardous char	racteristics listed in Yes	X		Fuel 🛛 Other Hyd		
40 CFR 261.2, Subpart C (D Codes)? the waste specifically excluded from egulations in 40 CFR Part 261.4? If so, attach an explanation including the Part 261.4 where the exclusion is mentio	portion of 40 CFR		The inform	alysis 🖾 Independ	DN sed on: 楢 Knowledge of Pr dent Analysis □ MSDS's □ pxicity (metals) □EP Toxicit	] Other
Is the waste mixed with a hazardous was		s No		] Semi-Volitile □ 1		PH 🗆 BTEX
the waste being legally treated for a characteristic? If so, attach an explanatio	single hazardous Ye		Total M Other_	letals 🗆 MSDS's	Method 8240      Method	18270
AUTHORIZED SIGNATORY hereby certify that all information submit determine, that no deliberate or willful on						
sample representative of the waste has						

PRINT NAME:	William	Call
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President, Maverik Country Stores, Inc. ITLE:

UNDERGROUND TANK TESTING . SITE ASSESSMENT . SITE REMEDIATION

111 KNUDSEN FARMINGTON, NEW MEXICO 87401 **PHONE:** (505) 326-2822

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September 13, 1990

TRY NG 652604

COST CODE 555

NUDICE

DAMES & MOORE 127 South 500 East Suite 300 Salt Lake City, Utah 84102-1959

Attention: Mr. Terry D. Vandell

hon

#### INVOICE

Receipt and remediation of at Envirotech's soil remediation site of a total of 1,296 Cubic Yards of hydrocarbon contaminated soil from Maverik Country Store's tank farm, Kirtland, New Mexico, 8/27/90 to 8/31/90.

200175	350 @ \$800/cu. yd.	\$ 2,800.00
1507 NO. 199625	946 @ \$12.00/cu. yd.	11,352.00
0.077.021 (110.82790-83190		\$14,152.00
100 - 7 WK 2	NM Gross Receipts @ 5.75%	813.74
DESSED BY M	TOTAL DUE	\$14,965.74
US NO. 540.293		

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September 10, 1990

Envirotech 3111 Knudsen Farmington, NM 87401

Attention: Mr. Morris Young, President

> Re: Industrial Waste Disposal Manifests For The Disposal Of Tank Farm Contaminated Wastes and Soils From The Maverik Country Stores Inc. Tank Farm To Envirotech's Disposal Site near Bloomfield, New Mexico

Dear Mr. Young:

As per our telephone conversation of September 5, 1990, enclosed are the 108 industrial waste disposal manifests for the soil and sludge that were removed from Maverik Country Store's tank farm in Kirtland, New Mexico and shipped, via 12 cubic yard capacity trucks (from August 27 through August 31, 1990), to your disposal site near Bloomfield, New Mexico. Copies of these manifests will also be included in a final remediation report to be submitted to Bill Olson of the OCD.

If you have any questions on the enclosed, please do not hesitate to contact me at (801) 521-9255.

Very Truly Yours, z. Vandell

Terry D. Vandell

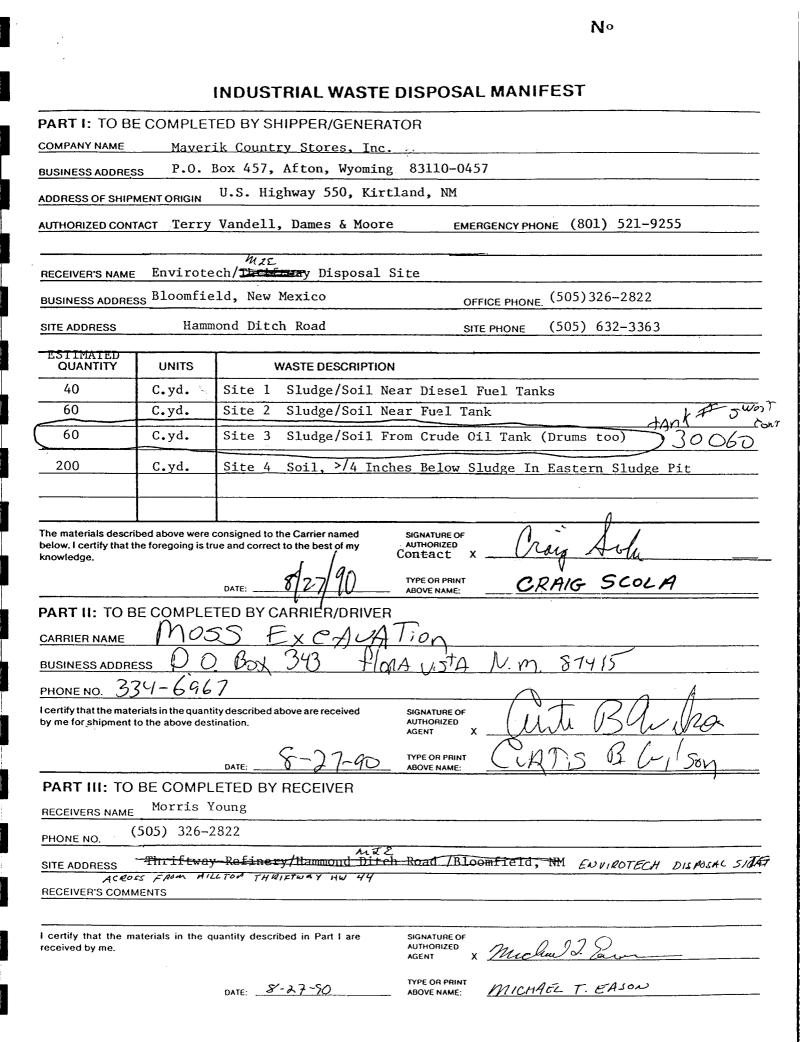
INDUSTRIAL	WASTE	DISPOSAL	MANIFEST
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PART I: TO B	ECOMPLET	TED BY SHIPPER/GENERA	TOR
COMPANY NAME	Maver	ik Country Stores, Inc.	
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirt	land, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ルス <u>と</u> ech <del>/Thriftway</del> Disposal S	ite
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Ne	ear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil Fr	com Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inch	nes Below Sludge In Eastern Sludge Pit
<u> </u>			
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTEACT X TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER	
CARRIER NAME	Mas-	-	
BUSINESS ADDR	the second se	, Bon 343 Flon	ha I Cali
PHONE NO. 33	54-Gq(-	1	
I certify that the mat by me for shipment		tity described above are received stination.	AUTHORIZED X With B. Wilson
		DATE: 8-27-90	ABOVE NAME: CATIS B WILSON
PART III: TO	BE COMPL	LETED BY RECEIVER	
RECEIVERS NAME	Morris '	Young	
PHONE NO.	(505) 326-	2822	
SITE ADDRESS	Thriftwo	w-Refinery/Hammond Ditcl	T ROAD /Bloomfield, NM ENVILOTECH DISPOSAL SITE
RECEIVER'S COM	AC COSS HWT	EOM HILL TOP THEIFTWAY	
I certify that the m received by me.	naterials in the o	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchael I ason
		DATE: 8-27-90	ABOVE NAME: MICHAEL T. EASON

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PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENER	RATOR	
COMPANY NAME		<u>ik Country Stores, In</u>	N N	·······
BUSINESS ADDRES	s P.O. J	Box 457, Afton, Wyomi	ng 83110-0457	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM	
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moo	re EMERGENCY PHONE (801) 521-925	j
RECEIVER'S NAME	Envirote	مریر ch/ <del>Thriftway</del> Disposal	l Site	
BUSINESS ADDRES	<sub>SS</sub> Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822	
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363	
_		······		
QUANTITY	UNITS	WASTE DESCRIPTI	ON	
40	C.yd.	Site l Sludge/Soil	Near Diesel Fuel Tanks	
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank	1, TAN 4 17
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)	30060
	C.yd.	Site 4 Soil, >/4 In	nches Below Sludge In Eastern Sludge P	it
		·	· · · · · · · · · · · · · · · · · · ·	
		consigned to the Carrier named	SIGNATURE OF	
below. I certify that the knowledge.	he foregoing is tr	ue and correct to the best of my	Contact X	·
		DATE:	TYPE OR PRINT CRAIG SCOLA	
		TED BY CARRIER/DRIVE		
	mass			
CARRIER NAME			I as with them stand	
BUSINESS ADDRE		Box 343 +	IONA UISTA 11, m. 87415	<u>_</u>
THOME NO.	34-696		A	
I certify that the mate by me for shipment t	•	ty described above are received ination.	SIGNATURE OF AUTHORIZED (1111 BU)	9 9
		PJJE	AGENT X NOTE OF OF	
<u></u>		DATE: 8-2690	ABOVE NAME:	<u>אר</u>
PART III: TO		ETED BY RECEIVER		
RECEIVERS NAME	Morris Y			
PHONE NO.	505) 326-2	.822		
SITE ADDRESS	Thriftway	N22 Refinery/Hammond Di	tch Road /Bloomfield, NM ENVILOTECH	DISPOSAL
SITE ADDRESS	ROSS HW 44	Refinery/Hammond Di From AILLTON THEFT	tch Road /Bloomfield, NM ENVILOTECH	DISPOSAL
SITE ADDRESS	ROSS HW 44	-Refinery/Hammond Di	tch Road /Bloomfield, NM ENVILOTECH	DISPOSAL
SITE ADDRESS SITE ACA RECEIVER'S COMM	<b>2055 нш ич</b> Aents	-Refinery/Hammond Di	tch Road /Bloomfield, NM ENVILOTECH	DISPOSAL
SITE ADDRESS S/TE ACA RECEIVER'S COMM	<b>2055 нш ич</b> Aents	From AILLTON THEIFTL	SIGNATURE OF AUTHORIZED MICHAN & CAN	DISPOSAL

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		INDUSTRIAL WAST	E DISPOSAL MANIFEST
PART I: TO B	E COMPLET	ED BY SHIPPER/GENER	RATOR
COMPANY NAME	Maver	ik Country Stores, Inc	2;
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyomin	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kin	rtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	се емегденсурноне (801) 521-9255
RECEIVER'S NAME	Envirote	μ2ξ ech/ <del>Thriftway</del> Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	T	ı — — — — — — — — — — — — — — — — — — —	
QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd.		Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
· · · · · · · · · · · · · · · · · · ·		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED COTATEACT X TYPE OR PRINT CRAIG SCOLA
	5		R
CARRIER NAME	mas	- REPAUATion	
BUSINESS ADDRI			A U.JIA N.M. 87415
PHONE NO.	334-69	67	<u> </u>
I certify that the mate by me for shipment		ity described above are received tination.	AUTHORIZED AGENT X
		DATE:	ABOVE NAME: CIPS & CISSA
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morrie V		
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	HW FROM	y-Refinery/Hammond Dit HILL TOP THEIFTWAY	ch Road /Bloomfield, NH ENVIROTECH DISPOSAL SITE
I certify that the m received by me.	naterials in the c	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X MUCHAEL T. EASON ABOVE NAME: MICHAEL T. EASON
		DATE: 8-27-90	ABOVE NAME: MICHAEL T. BASON

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO B	E COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ma£ ech/ <del>Thriftuay</del> Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site l Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
knowledge.		DATE: TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	Mas	s Excavation
BUSINESS ADDRI		Box 343 Flora Vita NM 87415
PHONE NO.	27/16	917
		tity described above are received SIGNATURE OF AUTHORIZED AGENT X
PART III: TO	BE COMPI	
	Morrie	ADOVE NAME:
RECEIVERS NAME	Morrie	DATE:AFABOVE NAME: _ETED BY RECEIVER Young
RECEIVERS NAME	Morris (505) 326- Thriftwa	DATE: <u>4</u> <u>6</u> LETED BY RECEIVER Young 2822 <u>MTE</u> y-Refinery/Hammond_Ditch_Road_/Bloomfield_NM ENVIROTECH DISPOSAC
RECEIVERS NAME PHONE NO.	Morris (505) 326- <del>Thriftwa</del> SITE AC	DATE:AFABOVE NAME: _ETED BY RECEIVER Young 2822
RECEIVERS NAME	Morris (505) 326- <del>Thriftwa</del> SITE AC	DATE: <u>4</u> <u>6</u> LETED BY RECEIVER Young 2822 <u>MTE</u> y-Refinery/Hammond_Ditch_Road_/Bloomfields NM ENVIROTECH DISPOSAC
RECEIVERS NAME PHONE NO. SITE ADDRESS RECEIVER'S COM	Morris (505) 326- <del>Thriftwa</del> <i>SITE AC</i> MENTS	DATE: <u>4</u> <u>L.M. ABOVE NAME:</u> _ETED BY RECEIVER Young 2822 <u>MTE</u> y=Refinery/Hammond_Ditch_Road_/Bloomfield_NM ENVIROTECH DISPOSAL
RECEIVERS NAME PHONE NO. SITE ADDRESS RECEIVER'S COMM	Morris (505) 326- <del>Thriftwa</del> <i>SITE AC</i> MENTS	DATE: <u>4</u> <u>L.M.M.</u> ABOVE NAME: _ETED BY RECEIVER Young 2822 <u>MTE</u> <u>y=Refinery/Hammond_Ditch_Road_/Bloomfield</u> NM ENVIROTECH DISPOSAL ROSS FROM HILLTONTHEIFTWAY HW 44 Duantity described in Part Lare SIGNATURE OF <u>A</u> <u>A</u> <u>D</u>

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	1	INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO B	E COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O. I	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
	<u> </u>	mzc
RECEIVER'S NAME		m2C ch/ <del>Thriftwa</del> y Disposal Site
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS	Hamm	ond Ditch Road SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd. 7	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
<u></u>		
	<u> </u>	
		consigned to the Carrier named SIGNATURE OF ue and correct to the best of my Contact X
-		DATE: ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME		1053 Excavation
BUSINESS ADDRI	ESS /	COROX 2613 FLACA 1115 MM & 7415
PHONE NO.	. 34-	6967
I certify that the mate by me for shipment		ty described above are received SIGNATURE OF AUTHORIZED AGENT X
		DATE:
PART III: TO	BE COMPL	ETED BY RECEIVER
RECEIVERS NAME	Morris Y	oung
PHONE NO.	(505) 326-2	
SITE ADDRESS	Thriftway	-Refinery/Hammond Ditch Road /Bloomfield, NM ENVILOTECH DISAOSAL SITE
AC 1655 H RECEIVER'S COMI	W FROM H	ILL TON THRIFTWAY
I certify that the m received by me.	naterials in the q	uantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X Muchun J. Grou
		DATE: 8-27-20 TYPE OR PRINT MICHAEL T.EHSON

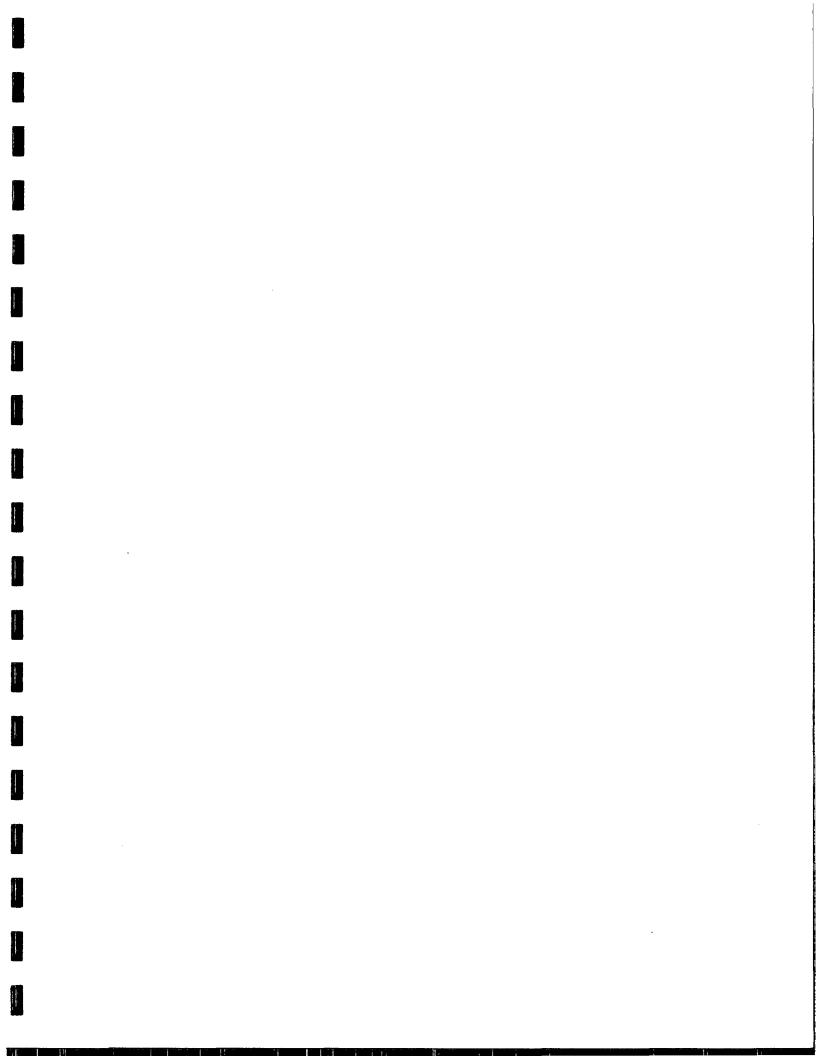
<u>,</u> '			No
		INDUSTRIAL WAS	TE DISPOSAL MANIFEST
PART I: TO B	E COMPLE	TED BY SHIPPER/GENE	ERATOR
COMPANY NAME	Maver	ik Country Stores, I	nc
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyom	ing 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, K	irtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Mo	ore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	MRC ech/ <del>Thriftway</del> Disposa	al Site
		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	······	nond Ditch Road	SITE PHONE (505) 632-3363
	·····		
QUANTITY	UNITS	WASTE DESCRIPT	TION
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	L Near Fuel Tank L From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil. >/4 I	Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
		DATE;	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIV	/ER
CARRIER NAME	Mress.	1= cougton	
BUSINESS ADDR	· ~	× 343 Flaves	1/15/-7
PHONE NO.			
		tity described above are received stination.	SIGNATURE OF AUTHORIZED AGENT X Walter Michael
	2-27-9	2 (ATE:	
		ETED BY RECEIVER	
RECEIVERS NAME	Morris		
	(505) 326-	2822	
	Thriftwa	M27	Itch Road /Bloomfield, NM EN VIROTECH DISPOSAL SI
SITE ADDRESS ACROSS A W RECEIVER'S COM	44 From	HILLTOP THEIFTWAY	EU VIROTECH UISTOJAL ST
I certify that the m received by me.	naterials in the	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Michael Fran
		DATE: 8-27-90	ABOVE NAME: MICHAEL T. EASON

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO BE	ECOMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
		m2(
RECEIVER'S NAME		m2(
BUSINESS ADDRES	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Ham	nond Ditch Road SITE PHONE (505) 632-3363
-ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank 30060
(60)	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
<u></u>		· · · · · · · · · · · · · · · · · · ·
		consigned to the Carrier named       SIGNATURE OF         rue and correct to the best of my       AUTHORIZED         Conteact       X         DATE:       TYPE OR PRINT         ABOVE NAME:       CRAIG
	RE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	MIOSS	E F
BUSINESS ADDRE	Ó	n R 43 Flat Diets
	34-6	767
	erials in the quan	tity described above are received SIGNATURE OF AUTHORIZED AGENT X LUATTA MUCHUE
		DATE: 9-27-90 TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMP	LETED BY RECEIVER
RECEIVERS NAME	Morris	Young
PHONE NO.	(505) 326-	2822
SITE ADDRESS		y-Refinery/Hammond Ditch Road /Bloomfield, NM ENVIROTECH DISPOSEL SITE
ACROSS HW RECEIVER'S COM		FOLLTON THEIFTWAY
I certify that the m received by me.	naterials in the	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X Michae J. ELOC
		DATE: 8-27-90 TYPE OR PRINT ABOVE NAME: MICHAEL T. GASON

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		INDUSTRIAL WASTE DISPUSAL MANIFEST		
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERATOR		
COMPANY NAME	COMPANY NAME Mayerik Country Stores, Inc.			
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyoming 83110-0457		
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM		
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255		
RECEIVER'S NAME	Envirote	ch Disposal Site		
BUSINESS ADDRES	<sub>SS</sub> Bloomfie	1d, New Mexico OFFICE PHONE. (505) 326-2822		
SITE ADDRESS	Hamm	ond Ditch Road SITE PHONE (505) 632-3363		
	UNITS	WASTE DESCRIPTION		
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks		
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank		
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060		
200	C.yd. <	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit		
		consigned to the Carrier named SIGNATURE OF		
knowledge.		Contact X		
		DATE: TYPE OR PRINT CRAIG SCOLA		
PART II: TO B	ECOMPLE	TED BY CARRIER/DRIVER		
CARRIER NAME	Afen	10 TRUCKING		
BUSINESS ADDRE	iss 140	y Gulledge Rd FARm		
PHONE NO.	322-	- 3287		
		ty described above are received SIGNATURE OF AUTHORIZED AGENT X UEMA Uterrite		
		DATE: 52590 TYPE OR PRINT VICENTE AVONEO		
PART III: TO	BE COMPL	ETED BY RECEIVER		
RECEIVERS NAME	Morris Y	oung		
PHONE NO.	505) 326-2			
SITE ADDRESS	Thriftway	Relincey/Hannond Directer Hours / Broomfileter, IM Frot Hhufford Store		
RECEIVER'S COMM	AENTS			
<u> </u>				
I certify that the m received by me.	aterials in the q	uantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X		
		DATE: 8-28-90 TYPE OR PRINT ABOVE NAME: REFERENCE		
		#Z		

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		s No
		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO BI	E COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME		ech <del>/ Trifings</del> Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Ham	nond Ditch Road SITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named       SIGNATURE OF         rue and correct to the best of my       AUTHORIZED         COTITEACT       X         DATE:       TYPE OR PRINT         ABOVE NAME:       CRAIG
	•	TED BY CARRIER/DRIVER
CARRIER NAME	H run	de Trucking
BUSINESS ADDRI	$\frac{1}{2}$	16 CR 5470 Formington M. M. of
PHONE NO.	erials in the quan	tity described above are received SIGNATURE OF
by me for shipment	to the above des	AUTHORIZED AGENT X DW. MAR BROWN
<u> </u>		DATE:
PART III: TO	BE COMPI	ETED BY RECEIVER
RECEIVERS NAME		
PHONE NO.	(505) 326-	
SITE ADDRESS	-	Between Hannend Dissi and Alloomfield and The Shak Hilly
RECEIVER'S COM	MENTS	1
I certify that the m received by me.	naterials in the e	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 5-28-90 TYPE OR PRINT REXEASED

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PART I: TO BE	E COMPLE	FED BY SHIPPER/GENER	ATOR
COMPANY NAME	Maver	ik Country Stores, Inc	· · · ·
BUSINESS ADDRES	D O	Box 457, Afton, Wyomir	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CONT	TACT Terry	Vandell, Dames & Moor	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech/Incitions Disposal	Site
		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	I	T	
QUANTITY	UNITS	WASTE DESCRIPTIC	
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
	1		
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF
knowledge.			Contact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	R
CARRIER NAME	Ann	de trucking	
		6 C.R. 5470	
	~	2441	· · · · · · · · · · · · · · · · · · ·
	erials in the quan	tity described above are received	SIGNATURE OF AUTHORIZED AGENT X Summon J. Chorde
		DATE: 8-28-90	
PART III: TO		_ETED BY RECEIVER	
RECEIVERS NAME	Morris	Young	
PHONE NO.	(505) 326-	2822	
SITE ADDRESS	Thriftwa	y-Refinery/Hammond Di-	ch Roud Bloomfield, NM the Fish (tillt)
RECEIVER'S COM	MENTS	: 	
		{	
I certify that the m received by me.	naterials in the	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-25-90	TYPE OR PRINT ABOVE NAME:

# Nº 9

COMPANY NAME RUGINESS ADDRES	Maver	TED BY SHIPPER/GENERATOR
RUGHNESS ADDRES	n o	ik Country Stores, Inc.
· · · · · · · · · · · · · · · · · · ·	e P.O.	
	5	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP		U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT		Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirot	ech/18
OUSINESS ADDRES	s Bloomfi	eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
serostedge.		nue and correct to the best of my     AUTHORIZED COTLEACE       DATE:     TYPE OR PRINT ABOVE NAME:
	-	ETED BY CARRIER/DRIVER
	$\sim$	SS extraution
PUSINE SS ADDRE	ss //	D. BOX 343 JOPA USTA MM- 57415
PHONE NO. 3	34690	· ]
Elements that the mate is, not for shipment t		tity described above are received SIGNATURE OF AUTHORIZED AGENT X AUTHORIZED AGENT X AUTHORIZED
		DATE: 8-28-90 IVE OR PRIME CITO B. W, 1500
PARLIE: 10	BE COMP	LETED BY RECEIVER
AN ENTRENAME	Morris	
· · · · · ·	505) 326-	2.92.2
SITE ADDRESS	Linifteen	Helinery Hanmond Dicch Road /Bloomfield Hi (1-1)
RECEIVER'S COMM	IENTS	
Ecertify that the ma received tivine	aterials in the i	quantity described in Part Lare SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-96 TYPE OR PRINT REX FANSA

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	•	NDUSTRIAL WASTE DISPUSAL MAINILEST
PART I: TO BE	COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	Maveri	k Country Stores, Inc.
BUSINESS ADDRES	s P.O. E	ox 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/TETEDIsposal Site
BUSINESS ADDRES	ss Bloomfie	Id, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS	Hamm	ond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
knowledge.	·	DATE:     AUTHORIZED CONTEACT     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       TED BY CARRIER/DRIVER
CARRIER NAME		excauation
BUSINESS ADDRE	_	BOX 343 MODA VISTA V.M. 87415
PHONE NO. 3	•	
	rials in the quanti	y described above are received SIGNATURE OF
		DATE: 8-28-90 TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER
RECEIVERS NAME	Morris Y	oung
PHONE NO. (	505) 326-2	822
SITE ADDRESS	Thriftway	Refinery Hammond Ditch Road (Bloomfinith NM ) HELL-by
RECEIVER'S COMM	MENTS	
I certify that the m received by me.	aterials in the q	Jantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-96 TYPE OR PRINT ABOVE NAME: 45× HARNSWORT

		INDUSTRIAL WASTE	E DISPOSAL MANIFEST
PART I: TO BI	E COMPLE	TED BY SHIPPER/GENER	ATOR
COMPANY NAME	Maver	ik Country Stores, Inc	•
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyomin	g 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech <del>/Thriftway</del> Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	UNITS		
40	C.yd.	WASTE DESCRIPTIO	Near Diesel Fuel Tanks
60	C.yd.		Near Fuel Tank
60	C.yd.		From Crude Oil Tank (Drums too)
		······································	
(200	C.yd.	Site 4 Soil, >/4 Inc	ches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF
		DATE:	- ABOVE NAME:CRAIG_SCOLA
		TED BY CARRIER/DRIVE	۲. ۲.
CARRIER NAME	aund	a trucking	
BUSINESS ADDRE	ss +//	6 68 5470	farmington M May
PHONE NO.	632-	34 41	
I certify that the mate by me for shipment t	•	lity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X DUDALDE BROWN
		DATE: 8-28-90	J TYPE OR PRINT ABOVE NAME;
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	foung	
PHONE NO.	(505) 326-3	2822	
SITE ADDRESS BITE ACROSS RECEIVER'S COMM	HW 44 6	MLL y-Refinery/Hammond Dit COM HILLTOP THRIFTA	eh-Road /Bloomfield, NM ENVABOTECH SOIL DISPOSED
L certify that the m received by me.	aterials in the c	quantity described in Part 1 are	SIGNATURE OF AUTHORIZED AGENT X Muchun 2. Jun
		DATE: 6-25-90	ABOVE NAME: MICHAEL T. EASON

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PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERAT	OR
COMPANY NAME	Maver	ik Country Stores, Inc.	÷
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtl	and, NM
AUTHORIZED CON	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch <del>/Thatfie J</del> Disposal S	íte
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		oond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Ne	
60	C.yd.	Site 3 Sludge/Soil Fr	om Crude Oil Tank (Drums too) 300 60
200	C.yd.	Site 4 Soil, >/4 Inch	es Below Sludge In Eastern Sludge Pit
		Consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED COREact X TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER	
CARRIER NAME	Atene	10 Ruciding	
BUSINESS ADDRE	ESS 140	4 Gulledge R	d FARM
PHONE NO.	327	3787	·
I certify that the mate by me for shipment	•	ity described above are received lination.	SIGNATURE OF AUTHORIZED AGENT X VErre Ottices
		DATE: 8-2890	ABOVE NAME: Dicente Atensio
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftway	weighery/llamond Ditch	Hunny Hultop
RECEIVER'S COM	MENTS		
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 1-28-90"	TYPE OR PRINT ABOVE NAME: REXERVISION

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		INDUSTRIAL WASTE	DISPOSAL MANIFEST
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERA	TOR
COMPANY NAME	Maver	ik Country Stores, Inc.	<u>.</u>
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kird	land, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
<u>.</u>			
RECEIVER'S NAME	Envirote	ch/	Site
BUSINESS ADDRES	ss <sup>Bloomfie</sup>	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamn	ond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTIO	
40	C.yd.	· · · · · · · · · · · · · · · · · · ·	ear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil N	
60	C.yd.	Site 3 Sludge/Soil F	rom Crude Oil Tank (Drums too) 2006
200	C.yd.	Site 4 Soil 2/4 Inc	nes Below Sludge In Eastern Sludge Pit
	0.74.	<u>5100 4 5011, 74 Inc</u>	ies below Studge in Eastern Studge iit
· · ·		· · · · · · · · · · · · · · · · · · ·	
		consigned to the Carrier named	SIGNATURE OF AUTHORIZED
knowledge.	ne toregoing is tr	ue and correct to the best of my	Contact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER	
CARRIER NAME	Aten	10 TRUERIUS	
BUSINESS ADDRE	ss 1404	Gulledon D	J FARM
PHONE NO. 3		3787	
I certify that the materials in the quantity described above are received by me for shipment to the above destination.			
		DATE: 8-2890	ABOVE NAME: DiCento AJONCO
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
PHONE NO.	505) 326-2	.822	
SITE ADDRESS	-Thriftwa	Relinery/iemiond life	That plantices, MM Hand Hillpp
RECEIVER'S COMM	MENTS		•
		·	
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X
r.		DATE: 8-2890	TYPE OR PRINT ABOVE NAME: REXEARSING

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		INDUSTRIAL WASTE DISPUSAL MAINIPLST
PART I: TO BE	ECOMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME		ech/Treating Disposal Site
BUSINESS ADDRES	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
-ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 70060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		e consigned to the Carrier named SIGNATURE OF true and correct to the best of my AUTHORIZED Contact X
<u></u> ·· · · · · · · · · · · · · · ·		DATE: ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	ETED BY CARRIER/DRIVER
CARRIER NAME	most	s a ravation
BUSINESS ADDRE	<u>ess P. C</u>	) Box 343 PlonA VISTA N.M. 87415
PHONE NO. 33	14-696	,7
I certify that the mate by me for shipment	•	stination. Signature of AUTHORIZED AGENT X
		TYPE OR PRINT
	BE COMPI	DATE:AFTABOVE NAME:ABOVE NAME:
RECEIVERS NAME	Morrie	
	(505) 326-	2822
PHONE NO.	The	Thursday the state from the state of the state
SITE ADDRESS		That ill the
RECEIVER'S COMI	MENTS	( <sup>2</sup> *
I certify that the m received by me.	naterials in the o	quantity described in Part 1 are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90 TYPE OR PRINT REX FUSIONA
, .		

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		INDUSTRIAL WASTE	DISPOSAL MANIFEST		
PART I: TO BI	E COMPLE	TED BY SHIPPER/GENERAT	ror and the second se		
COMPANY NAME	COMPANY NAME Maverik Country Stores, Inc.				
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	83110-0457		
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirt	Land, NM		
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255		
RECEIVER'S NAME	Envirot	ech/	ite		
BUSINESS ADDRE	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822		
SITE ADDRESS	Ham	mond Ditch Road	SITE PHONE (505) 632-3363		
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION			
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks		
60	C.yd.	Site 2 Sludge/Soil Ne			
60	C.yd.	Site 3 Sludge/Soil Fr	om Crude Oil Tank (Drums too) 30000		
200	C.yd.		es Below Sludge In Eastern Sludge Pit		
· · · · · · · · · · · · · · · · · · ·			• • • • • • • • • • • • • • • • • • •		
	1				
		consigned to the Carrier named true and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X		
-		DATE:	TYPE OR PRINT CRAIG SCOLA		
PART II: TO E	BE COMPLE	ETED BY CARRIER/DRIVER			
CARRIER NAME	Mos	Excada in			
BUSINESS ADDRI		lara Vista MM	Po Bax 343		
PHONE NO.	74)-69	167			
I certify that the mate by me for shipment		tity described above are received stination.	SIGNATURE OF AUTHORIZED AGENT X JUSSICH MOST		
		DATE: 8/28/90	TYPE OR PRINT RESERVE MOSS		
PART III: TO	BE COMP	LETED BY RECÉIVER			
RECEIVERS NAME	Morris	Young			
PHONE NO.	(505) 326-	2822			
SITE ADDRESS	Thriftwe	Refinery/Hannah Ditch	Road Internetiett, NM Hunsy 44 Hill to k		
RECEIVER'S COM	MENTS		<u> </u>		
•·····		: 			
I certify that the m received by me.	naterials in the	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT		
		DATE: 8-28-90.	TYPE OR PRINT ABOVE NAME:		
		•			

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO B	E COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
	- Fnyirot	ech <b>/ Disposal Site</b>
RECEIVER'S NAME		eld, New Mexico OFFICE PHONE. (505)326-2822
·····		
SITE ADDRESS	Haun	nond Ditch Road SITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
PART II: TO E	BE COMPLE	DATE: TYPE OR PRINT CRAIG SCOLA TTED BY CARRIER/DRIVER
CARRIER NAME	10	SS Frequetion
BUSINESS ADDRI	ESS PC	2130x 343 Floro UTA NM 87415
PHONE NO.	3367 09	67
I certify that the mate by me for shipment		tity described above are received SIGNATURE OF AUTHORIZED AGENT X AUTHORIZED
•	<u></u>	DATE: DATE: ABOVE NAME:
PART III: TO		LETED BY RECEIVER
RECEIVERS NAME		
PHONE NO.	(505) 326-	
SITE ADDRESS	Thriften	Fletiment the was the tree to the the the of
RECEIVER'S COM	MENTS	Thilly foru
I certify that the m received by me.	naterials in the o	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT
		DATE: 8-28-90 TYPE OR PRINT READING SOLA
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Nº 4

		INDUSTRIAL WASTE DI	SPUSAL MANIFEST		
PART I: TO BI	ECOMPLET	ED BY SHIPPER/GENERATO	R		
COMPANY NAME	Maver	ik Country Stores, Inc.			
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming	33110-0457		
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtla	nd, NM		
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255		
RECEIVER'S NAME	Envirote	ch/	e		
		ld, New Mexico	OFFICE PHONE. (505) 326-2822		
<u></u>		ond Ditch Road			
SITE ADDRESS			SITE PHONE (505) 632-3363		
	UNITS	WASTE DESCRIPTION			
40	C.yd.	Site 1 Sludge/Soil Near	Diesel Fuel Tanks		
60	C.yd.	Site 2 Sludge/Soil Near	Fuel Tank		
60	C.yd.	Site 3 Sludge/Soil From	Crude Oil Tank (Drums too) -0060		
200	C.yd.	Site 4 Soil, >/4 Inches	Below Sludge In Eastern Sludge Pit		
		ue and correct to the best of my Co	IGNATURE OF UTHORIZED Inteact X YPE OR PRINT CRAIG SCOLA		
		······································			
		TED BY CARRIER/DRIVER			
	• •		11:10 M87415		
PHONE NO.	, v	5862			
I certify that the materials in the quantity described above are received by me for shipment to the above destination. SIGNATURE OF AUTHORIZED AGENT X					
			YPE OR PRINT RUSSELL MOSS		
PART III: TO	BE COMPL	ETED BY RECEIVER			
RECEIVERS NAME	Morris	Coung			
PHONE NO.	(505) 326-	2822			
SITE ADDRESS		Kernery/Hammand Ditch	1000 / Bloomfleid, NM Hiviny 214 First		
RECEIVER'S COM	MENTS	4			
I certify that the materials in the quantity described in Part I are received by me.					
		date: 8-2-8-90	ABOVE NAME:		

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		INDUSTRIAL WASTE DISPOSAL MANIFEST				
PART I: TO BE COMPLETED BY SHIPPER/GENERATOR						
COMPANY NAME Maverik Country Stores, Inc.						
BUSINESS ADDRESS P.O. Box 457, Afton, Wyoming 83110-0457						
ADDRESS OF SHIPMENT ORIGIN U.S. Highway 550, Kirtland, NM						
AUTHORIZED CONTACT Terry Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255						
RECEIVER'S NAME	Envirote	ch <b>et and an and an </b>				
BUSINESS ADDRE	eld, New Mexico OFFICE PHONE (505) 326-2822					
SITE ADDRESS Hammond Ditch Road						
OUANTITY	UNITS	WASTE DESCRIPTION				
40	C.yd.	Site l Sludge/Soil Near Diesel Fuel Tanks				
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank				
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) うののぞつ				
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit				
<u></u>		· · · · · · · · · · · · · · · · · · ·				
The materials described above were consigned to the Carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.						
<del></del>		DATE: ABOVE NAME: CRAIG SCOLA				
CARRIER NAME	_Ma	30x 343 Flora Vistor NM 874115				
BUSINESS ADDR	ESS PO	BOX 343 Flora VIA 80-115				
PHONE NO.	,					
I certify that the mate by me for shipment		ity described above are received SIGNATURE OF AUTHORIZED AGENT X				
		DATE: 5 28 910 TYPE OR PRINT ABOVE NAME:				
PART III: TO	BE COMPL	ETED BY RECEIVER				
RECEIVERS NAME Morris Young						
PHONE NO. (505) 326-2822						
SITE ADDRESS Thriftway-Refinery/Hammond Ditch Road /Bloomfield, NM						
RECEIVER'S COMMENTS						
I certily that the materials in the quantity described in Part I are received by me.						
DATE: 5-28-96 TYPE OR PRINT REXTAURSWORTS						
		#3				

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO B	E COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME		ik Country Stores, Inc.
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	E Envirote	ech/ <b>Manufactor</b> Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Ham	nond Ditch Road SITE PHONE (505) 632-3363
-ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site l Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named       SIGNATURE OF         rue and correct to the best of my       AUTHORIZED         Conteact       X         DATE:       TYPE OR PRINT         ABOVE NAME:       CRAIG
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	moss	Ex ZAVATION
BUSINESS ADDR	0	Box 343 florA UISTA N.M 81415
PHONE NO. 3	54-69	167
		tity described above are received SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90 TYPE OR PRINT CUTS & 45/500
PART III: TO	BE COMPL	_ETED BY RECEIVER
RECEIVERS NAME	Morris Y	Young
PHONE NO.	(505) 326-	2822
SITE ADDRESS		Here Here to F
RECEIVER'S COM	MENTS	et 1100 44.
I certify that the n received by me.	naterials in the o	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90 TYPE OR PRINT ABOVE NAME: REX TAVASVORIA.
		# 2

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		INDUSTRIAL WASTE	DISPUSAL MAINILEST			
PART I: TO BE	COMPLET	ED BY SHIPPER/GENERA	OR			
COMPANY NAME Maverik Country Stores, Inc.						
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyoming U.S. Highway 550, Kirt				
ADDRESS OF SHIPM	MENT ORIGIN	U.S. Highway 550, Kirt.	Land, NM			
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255			
		1 /m	· .			
RECEIVER'S NAME		ch/				
BUSINESS ADDRES	S BIOOMITE	ld, New Mexico	OFFICE PHONE. (505) 326-2822			
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363			
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION				
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks			
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank				
60	C.yd.	Site 3 Sludge/Soil Fr	om Crude Oil Tank (Drums too)			
200	C.yd.	Site 4 Soil, >/4 Inch	es Below Sludge In Eastern Sludge Pit			
The materials descri	bed above were	consigned to the Carrier named	SIGNATURE OF			
below. I certify that the knowledge.	he foregoing is tr	ue and correct to the best of my	AUTHORIZED Contact X			
		DATE:	ABOVE NAME: CRAIG SCOLA			
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER				
CARRIER NAME	moss	PACAVATION				
BUSINESS ADDRE	ss P.O.	Box 343 PlanA	VISTA V.M & 7415			
PHONE NO. 33	4-696-	7				
I certify that the materials in the quantity described above are received by me for shipment to the above destination.						
DATE: 5-28-90 TYPE OR PRINT CLAPIS B. W. SON						
PART III: TO	BE COMPL	ETED BY RECEIVER				
RECEIVERS NAME Morris Young						
PHONE NO. (505) 326-2822						
SITE ADDRESS	The	Finery/Hammorry Ditc	- Koad / DIDDIELETT, AND HIM 44 ENT			
RECEIVER'S COMMENTS						
		·	Λ			
I certify that the materials in the quantity described in Part 1 are received by me. SIGNATURE OF AUTHORIZED AGENT X						
		DATE: 8-28-90.	ABOVE NAME: REX FARAS WORL			

		ED BY SHIPPER/GENE	
COMPANY NAME	D O V	ik Country Stores, Ir	· · · · · · · · · · · · · · · · · · ·
BUSINESS ADDRES	<u>s</u> P.0. J	Box 457, Afton, Wyomi	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moo	DIRE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/ <b>P</b> isposa	l Site
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPT	ION
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.		Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too) ANA 3000
200	C.yd.	Site 4 Soil, >/4 I	nches Below Sludge In Eastern Sludge Pit
		· · · · · · · · · · · · · · · · · · ·	·
below. I certify that the		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED
knowledge.			TYPE OR PRINT CRAIG SCOLA
		DATE:	
PART II: TO B	E COMPLE MOSS	TED BY CARRIER/DRIV みないれて	ER
BUSINESS ADDRE	ss P.O	Doy 243 Flont	11.5ta U.M. 57415
	34-696	7	
	erials in the quant	ity described above are received	SIGNATURE OF AUTHORIZED AGENT X WILL B. W. D. D.
		DATE: 8-28-90	TYPE OR PRINT CURS B. W. SOL
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	- Thriftwa	Ralinery/Hamment B	tet head Decomments the Hiver &
RECEIVER'S COMM	MENTS	. e	Seres
		?	
I certify that the m received by me.	aterials in the c	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 1-28-70	TYPE OR PRINT ATT ARTS TARTS STAR

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PART I. TO BE		ED BY SHIPPER/GENERATOR
COMPANY NAME		ik Country Stores, Inc.
BUSINESS ADDRES	D O	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/
BUSINESS ADDRES	<sub>SS</sub> Bloomfie	ld, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS	Hamm	ond Ditch Road SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTION
	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60, 1	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) - AhH 5660
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named       SIGNATURE OF         ue and correct to the best of my       AUTHORIZED         Conteact       X         DATE:       TYPE OR PRINT         ABOVE NAME:       CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	MOSS	ex ravation
BUSINESS ADDRE	ss PC	Box 343 flora vista k.m. 87415
PHONE NO.	134-696	7
I certify that the mate by me for shipment		ity described above are received SIGNATURE OF AUTHORIZED AGENT X
		DATE: S-J.S.GD TYPE OR PRINT CUATES B W. SON
PART III: TO	BE COMPL	ETED BY RECEIVER
RECEIVERS NAME		
PHONE NO.	(505) 326-2	2822
SITE ADDRESS	The	Befinger Hammour Direk Road Alexantined with H(WYA) 47 +
RECEIVER'S COM	MENTS	A
I certify that the m received by me.	aterials in the c	Juantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90 TYPE OR PRINT ASTANDED

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO BI	E COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
······································		
RECEIVER'S NAME		ch/##########Disposal Site
BUSINESS ADDRE	ss Bloomfie	Id, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Hamm	Nond Ditch Road SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named SIGNATURE OF AUTHORIZED CONTEACT X
<u></u>		DATE: S-2S-90 TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	Mio S.	S Excountion
		x 343 Flora Vista
PHONE NO.		
I certify that the mate by me for shipment		ity described above are received SIGNATURE OF AUTHORIZED AGENT X Watter Mirchae
		DATE: 5-25-90 TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	DATE: 2-23-72 ABOVE NAME:
RECEIVERS NAME	Morris Y	oung
PHONE NO.	(505) 326-2	2822
SITE ADDRESS	Tettas	Hill Dream Hill Dream 44 Hill Dr
RECEIVER'S COM	MENTS	store J
I certify that the m received by me.	naterials in the q	Juantity described in Part 1 are SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90 TYPE OR PRINT REX FAVORSDOWL #2
		#_2

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PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENER	RATOR
COMPANY NAME	Maver	ik Country Stores, In	C.
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyomi	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moo	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME		ch/	l Site
BUSINESS ADDRES	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTI	ION
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.		Near Fuel Tank
60	C.yd. 7	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too), 30000
200	C.yd.	Site 4_Soil, >/4 Ir	nches Below Sludge In Eastern Sludge Pit
			· · · · · · · · · · · · · · · · · · ·
		consigned to the Carrier named ue and correct to the best of my DATE: $8 - 28 - 90$	SIGNATURE OF AUTHORIZED CONTEACT X LA ATT HANDED TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
<u> </u>	- <u>, , , , , , , , , , , , , , , , , , , </u>		
		TED BY CARRIER/DRIVE	
	11	ta Zista BO	
BUSINESS ADDRE			<u>-y 395</u>
	3346		(
by me for shipment f		ity described above are received ination.	SIGNATURE OF AUTHORIZED AGENT X Wath Micher
		DATE:	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thiling	And the stand of t	Himmy 44 EAST
RECEIVER'S COMM		i.	Sq. May 19 50
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8-28-90	ABOVE NAME: REX FROMS SOUL

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OMPANY NAME	Mayer	IED BY SHIPPER/GENERATOR         ik Country Stores, Inc.
USINESS ADDRES		Box 457, Afton, Wyoming 83110-0457
DDRESS OF SHIP		U.S. Highway 550, Kirtland, NM
		Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech/
BUSINESS ADDRE		eld, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS	·····	aond Ditch Road SITE PHONE (505) 632-3363
	·····	
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too), 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named SIGNATURE OF SIGNATURE OF
nowledge.		rue and correct to the best of my AUTHORIZED CONtact X
knowledge.		Contact X
-		DATE: 8-28-90 TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	Conteact X DATE: <u>8 - 18-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER
PART II: TO E	BE COMPLE	Conteact $X$ DATE: $S - IS - GD$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER $I = \sqrt{GEVSTIDM}$
PART II: TO E	BE COMPLE <i>DW &amp; S S</i> ESS <del>334</del>	Contact X DATE: <u>8-18-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER <u>1= vacevstion</u> <u>6967 Bovzeus</u> <u>Fluta Vista</u>
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE <i>UN &amp; S S</i> ESS <del>334</del> 334 69	Contact X DATE: <u>8-18-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER <u>1= vcev stion</u> <u>6967 Bo-v243 Floba Vista</u> <u>151</u>
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE <i>IM jr S S</i> ESS <del>334</del> <u>334</u> erials in the quant	Conteact X DATE: $g - gg - gg$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER $I = \sqrt{G} = \sqrt{g} + \frac{1}{100}$ $- \frac{1}{2} - \frac{1}{2$
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE <i>IM jr S S</i> ESS <del>334</del> <u>334</u> erials in the quant	Conteact X DATE: $g - gg - gg$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TYPE OR PRINT CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA TYPE OR PRINT CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA SCOLA SCOLA SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA SCOLA SCOLA SCOLA SCOLA SCOLA CRAIG SCOLA CRAIG SCOLA SCOLA SCOLA CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA SC
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. certify that the mate by me for shipment	BE COMPLE $6W_{0} \le 5$ 5S - 3 - 3 - 4 3 - 3 - 4 - 4 3 - 3 - 4 - 4 - 4 erials in the quant to the above des	Conteact X DATE: $g - gg - gg$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TYPE OR PRINT CRAIG SCOLA CRAIG br>CRAIG SCOLA CRAIG CRAIG SCOLA CRAIG CRAIG SCOLA
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. Certify that the mate by me for shipment	BE COMPLE $6W_{0} \le 5$ 5S = 33 = 4 334 = 69 erials in the quant to the above des BE COMPL Morris	Contact X DATE: $g = gg = gg$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TTED BY CARRIER/DRIVER $I = \sqrt{G \oplus V \oplus T}$ $M$ $I = \sqrt{G \oplus V \oplus T}$ $M$
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. certify that the mate by me for shipment PART III: TO RECEIVERS NAME	BE COMPLE $6W_{0} \le 5$ 5S = 33 = 4 334 = 69 erials in the quant to the above des BE COMPL Morris	Contact X DATE: $S = \frac{1}{2} \frac{1}{8} \frac{1}{90} \frac{1}{100} \frac{1}{100$
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. certify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	BE COMPLE <i>CM is S S</i> SS - <del>334</del> <u>334</u> erials in the quant to the above des BE COMPL Morris S (505) 326-2	Conteact x $DATE: \underline{\mathcal{B}} - \underline{\mathcal{B}} - \underline{\mathcal{G}} \\ \overrightarrow{\mathcal{ABOVE NAME:}} \\ \underline{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{COLA}} \\ \mathcal{C$
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. certify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	BE COMPLE <u>6</u> <u>M</u> <u>j</u> <u>c</u> <u>s</u> <u>3</u> <u>3</u> <u>4</u> <u>6</u> <u>9</u> erials in the quant to the above des BE COMPL Morris M (505) 326-2 <u>This Ewa</u>	Contact x DATE: $\underline{S} = \underline{1}\underline{S} - \underline{4}\underline{0}$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER $\underline{I} = \underline{4}\underline{C}\underline{a} \times \underline{1}\underline{f}$ $\underline{I} = \underline{1} = $
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. certify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	BE COMPLE <u>6</u> <u>M</u> <u>j</u> <u>c</u> <u>s</u> <u>3</u> <u>3</u> <u>4</u> <u>6</u> <u>9</u> erials in the quant to the above des BE COMPL Morris M (505) 326-2 <u>This Ewa</u>	Conteact x $DATE: \underline{\mathcal{B}} - \underline{\mathcal{B}} - \underline{\mathcal{G}} \\ \overrightarrow{\mathcal{ABOVE NAME:}} \\ \underline{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{CRAIG SCOLA}} \\ \overrightarrow{\mathcal{COLA}} \\ \mathcal{C$
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. Certify that the mate oy me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS & RECEIVER'S COM	BE COMPLE <i>UM is C S</i> ESS <i>334</i> <i>334</i> erials in the quant to the above des BE COMPL Morris M (505) 326-2 This Ewia MENTS	Contact x DATE: $\underline{S} = \underline{1}\underline{S} - \underline{4}\underline{0}$ TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER $\underline{I} = \underline{4}\underline{C}\underline{a} \times \underline{1}\underline{f}$ $\underline{I} = \underline{1} = $
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. Certify that the mate oy me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS & RECEIVER'S COMP I certify that the m	BE COMPLE <i>UM is C S</i> ESS <i>334</i> <i>334</i> erials in the quant to the above des BE COMPL Morris M (505) 326-2 This Ewia MENTS	Conteact x DATE: $B = \underline{I} \underbrace{B - \underline{G}}_{ABOVE NAME}$ TYPE OR PRINT $\underline{I} = \underline{J} \underbrace{G = \underline{J} \underbrace{A} \underbrace{G = \underline{J} \underbrace{A} \underbrace{I} \underbrace{A} \underbrace{A} \underbrace{A} \underbrace{A} \underbrace{A} \underbrace{A} \underbrace{A} A$

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PART I: TO BI	E COMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech Scherze Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	mond Ditch Road SITE PHONE (505) 632-3363
- ESTIMATED	γ	
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
<u>60</u>	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 30060
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named SIGNATURE OF
knowledge.	the foregoing is a	Contact X
		DATE: TYPE OR PRINT CRAIG SCOLA
PART II: TO F	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	<b>A</b> .	Eyezustion
		42 V, the P.OB 343
PHONE NO.	334 0	
by me for shipment		stination. Signature of Authorized Agent X
		TYPE OR PRINT
PART III. TO	BE COMPI	DATE: ABOVE NAME:
RECEIVERS NAME	Morrie	
	(505) 326-	2822
<u> </u>	TITLEWA	Selectiner Willemond Direct Road Aprocontrate My Throws WIH-20
SITE ADDRESS		The the the
RECEIVER'S COMI	MENIS	
	naterials in the o	quantity described in Part 1 are SIGNATURE OF AUTHORIZED
received by me.		AGENT X
		DATE: 7-28-90, TYPE OR PRINT ABOVE NAME: HEXTONSMAN
		# 1

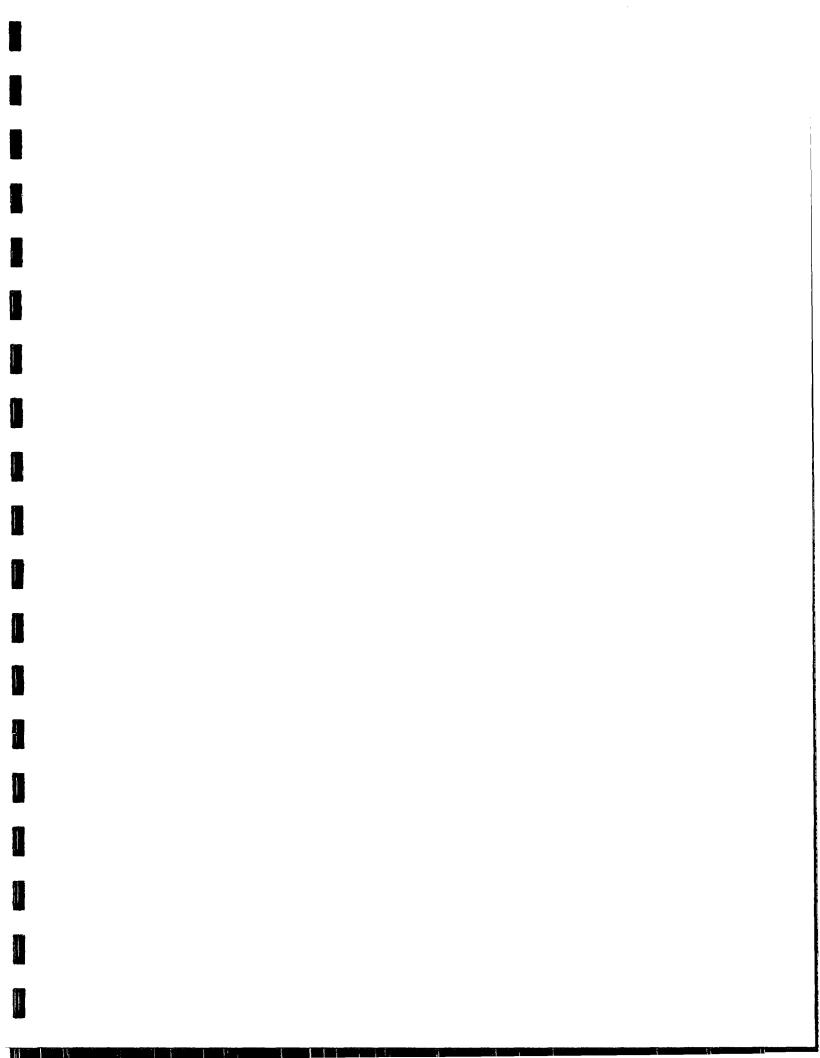
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		INDUSTRIAL WASTE DISPOSAL MANIFEST	
PART I: TO B	ECOMPLE	TED BY SHIPPER/GENERATOR	
COMPANY NAME	Mayer	rik Country Stores, Inc.	
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM	
AUTHORIZED CON	TACT Terry	y Vandell, Dames & Moore EMERGENCYPHONE (801) 521-9255	
RECEIVER'S NAME	Envirote	ech <del>/Thriftyy</del> Disposal Site	
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE (505)326-2822	
SITE ADDRESS		mond Ditch Road . SITE PHONE (505) 632-3363	
ESTIMATED	UNITS		
		WASTE DESCRIPTION	
40	C.yd. C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks Site 2 Sludge/Soil Near Fuel Tank	
	Į		
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	<u> </u>
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit	
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
		a consigned to the Carrier named true and correct to the best of my       SIGNATURE OF AUTHORIZED Conteact         DATE:       TYPE OR PRINT ABOVE NAME:	
PART II: TO E	BE COMPLE	ETED BY CARRIER/DRIVER	
· · · · · ·		DA TRUCKING	
BUSINESS ADDR		16 CR 5470 Garming tow	
			;
PHONE NO. I certify that the mate by me for shipment	erials in the quant	3441 stination. signature of AUTHORIZED AGENT X	
		DATE: 8-28-70 TYPE OR PRINT ABOVE NAME:	
PART III: TO	BE COMPL	LETED BY RECEIVER	
RECEIVERS NAME	Morris Y	Young	
PHONE NO.	(505) 326-2	-2822	
SITE ADDRESS SITE AGRO RECEIVER'S COM	1 x	M 2C in Refinery/Hammond Dicch Road /Bloomfield, NM & WUROTECH SOIL O FROM HILL YON THATFTWAY	ISAOSAL
I certify that the m received by me.	naterials in the c	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X Michaeling V. Curren	
		DATE: 8-28-90 TYPE OR PRINT ABOVE NAME: MICHAEL T. EASON	

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	<u></u>		
PART I: TO BE	COMPLET	ED BY SHIPPER/GENER	RĂTOR
COMPANY NAME		<u>ik Country Stores, In</u>	
BUSINESS ADDRESS	<b>P.O.</b>	Box 457, Afton, Wyomi	ng 83110-0457
ADDRESS OF SHIPM	ENT ORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CONTA	CT Terry	Vandell, Dames & Moo	re EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch <del>/Thriftway</del> Disposal	. Site
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPT	 ON
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks)
60	C.yd.		Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
		······	
		TED BY CARRIER/DRIVE	Contact X TYPE OR PRINT CRAIG SCOLA
CARRIER NAME	ARAND	7	
BUSINESS ADDRES			FARMington
PHONE NO. I certify that the materi by me for shipment to	lais in the quant	<u>ス 3イイル</u> ty described above are received ination.	SIGNATURE OF AUTHORIZED AGENT X DWAYAL BROWN
		DATE: 8-29-90	TYPE OR PRINT ABOVE NAME:
PART III: TO E	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
THOME NO. (5	505) 326-2	822	
SITE ADDRESS SITE ACROS RECEIVER'S COMM	5 4044	-Refinery/Hammond Dit From Hillrof THE	tch Road /Bloomfield, THI ENVIROTECH SOIL DISPE TWAV
I certify that the main received by me.	terials in the q	uantity described in Part 1 are	SIGNATURE OF AUTHORIZED AGENT X Michael J. Caron
-	terials in the q	uantity described in Part I are DATE: 8-27-90	AUTHORIZED ALL ALL ALL ALL ALL ALL ALL ALL ALL AL

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COMPANY NAME	Maver	ik Country Stores, Ind	C. <u>;</u>
BUSINESS ADDRES	ss PO.	Box 457, Afton, Wyomi	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moo	re EMERGENCY PHONE (801) 521-9255
		······································	
RECEIVER'S NAME	Envirot	ech <del>/Thriftway</del> Disposal	. Site
BUSINESS ADORE	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTI	ON
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks)
60	C.yd.		Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF
knowledge.		·····	Contact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO B	BE COMPLE	TED BY CARRIER/DRIVE	R
	arana	a Isucking	
BUSINESS ADDRE	ESS #///a	CR 5470 Jase	nurotok)
	505) (	27-34141	
	erials in the quan	tity described above are received	SIGNATURE OF AUTHORIZED
by the for snipment	to the above des	annanon.	AGENT X Dage Brown
		DATE: 8-27-70	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMP	LETED BY RECEIVER	
RECEIVERS NAME	Morris	Young	
PHONE NO.	(505) 326-		
SITE ADDRESS	Thriftua	y-Refinery/Hammond Dir	cen Road /Bloomfield, NM GNYINOTECH SOIL DISASS
SITE ACROI	5	FROM HILLTON THAIRS	rwa v
E certily that the m received by me.	naterials in the	quantity described in Part 1 are	SIGNATURE OF AUTHORIZED AGENT X Muchard J. Eur
		6-25-90	AUTHORIZED AGENT X Michael T. EACON
		DATE:	ABOVE NAME: MICHAEL II BALON

	BE COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	rik Country Stores, Inc.
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
NDDRESS OF SHIP	PMENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	MACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAMI	Envirote	m 2C ech <del>/Thriftua</del> y Disposal Site
		eld, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS	•	mond Ditch RoadSITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
PART II: TO I	BE COMPLE	DATE: TYPE OR PRINT CRAIG SCOLA
CARRIER NAME	Ac	and Trucking
BUSINESS ADDR	, /	16 CR 5470 farmington
		57. 3441
PHONE NO.	terials in the quant	tity described above are received SIGNATURE OF Stination AuthORIZED
I certify that the mat	t to the above des	AGENT X DUIDINE BRUNN
I certify that the mat	t to the above des	
I certify that the mat by me for shipment		AGENT X <u>Duining E Drown</u>
I certify that the mat by me for shipment	D BE COMPL	AGENT X DUDAISTE Drown
PART III: TC	D BE COMPL	AGENT X DUCAIGNE Drown
PART III: TO	D BE COMPL E Morris M (505) 326-1 <del>Thriftug</del>	AGENT X DUCAIGNE Drown
PART III: TO PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS SITE ADDRESS SITE ADDRESS	D BE COMPL E Morris M (505) 326-2 <del>Thriftug</del> <b>S AW 44</b> MMENTS	AGENT X DUDAIDLE Drown DATE: <u>F-27-10</u> TYPE OR PRINT ABOVE NAME: LETED BY RECEIVER Young 2822 <del>y Pofinery/Hammond Ditch Road /Bloomfleld, Mil ENVIROTECH SOIL</del>

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	E COMPLET	ED BY SHIPPER/GENERA	TOR
OMPANY NAME		ik Country Stores, Inc.	
USINESS ADDRE	P O	Box 457, Afton, Wyoming	•
DDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirt	land, NM
	·····	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
		,	
	Envirote	ch <del>/Thriftway</del> Disposal S	Site
BUSINESS ADORE	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	
QUANTITY	UNITS	WASTE DESCRIPTION	1
40	C.yd.	l	ear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Ne	
60	C.yd.	Site 3 Sludge/Soil Fi	rom Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Incl	nes Below Sludge In Eastern Sludge Pit
the materials descr	ibed above were	consigned to the Carrier named	SIGNATURE OF
elow. I certify that		consigned to the Carrier named ue and correct to the best of my	•
elow. I certify that		ue and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X TYPE OR PRINT C. DAIG SCOLA
below. I certify that the second second second second second second second second second second second second s	the foregoing is t	DATE:	SIGNATURE OF AUTHORIZED Conteact X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E	the foregoing is to	DATE:	SIGNATURE OF AUTHORIZED Conteact X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E	the foregoing is to BE COMPLE <u>A.C. A</u>	DATE: TED BY CARRIER/DRIVER	SIGNATURE OF AUTHORIZED COTLEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E	the foregoing is to BE COMPLE <u>A.C. A</u>	DATE: TED BY CARRIER/DRIVER	SIGNATURE OF AUTHORIZED Conteact X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E CARRIER NAME BUSINESS ADDR	the foregoing is the BE COMPLE A&A ESS £ 638	DATE: TED BY CARRIER/DRIVER NDA TRUCKING 14 6470	SIGNATURE OF AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: NAME
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is the BE COMPLE A&A ESS <u><u>J</u> erials in the quant</u>	DATE: TED BY CARRIER/DRIVER NDA TRUCKING IL [4 5470] - 3441 ity described above are received	SIGNATURE OF AUTHORIZED COTLEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E CARTIER NAME BUSINESS ADDR PHONE NO. certify that the mat	the foregoing is the BE COMPLE A&A ESS <u><u>J</u> erials in the quant</u>	DATE: TED BY CARRIER/DRIVER NDA TRUCKING IL [4 5470] - 3441 ity described above are received	SIGNATURE OF AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: ARMING L.N NM SIGNATURE OF AUTHORIZED
pelow, I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Incertify that the mat py me for shipment	the foregoing is the foregoing is the BE COMPLE A&A ESS # erials in the quant to the above des	DATE: TED BY CARRIER/DRIVER NDA TRUCKing 14 64 70 5 - 3441 ity described above are received ination.	SIGNATURE OF AUTHORIZED COTITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: ABOVE
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment	BE COMPLE A&A ESS # erials in the quant to the above des	DATE: TED BY CARRIER/DRIVER NDA TRUCKING IL (4 5470) - 3441 ity described above are received ination. DATE: S-29-90 ETED BY RECEIVER	SIGNATURE OF AUTHORIZED COTITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: ABOVE
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	E COMPLE	TED BY SHIPPER/GENER/	ATOR
COMPANY NAME		ik Country Stores, Inc	
BUSINESS ADDRE	ħ O	Box 457, Afton, Wyomin	
ADDRESS OF SHIF	·	U.S. Highway 550, Kir	tland, NM
		Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	E Envirot	<b>M2C</b> ech <del>/Thriftway</del> Disposal	Site
		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED		·····	
QUANTITY	UNITS	WASTE DESCRIPTIO	N
40	C.yd.		lear Diesel Fuel Tanks
60	C.yd.		lear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil F	From Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
			· · · · · · · · · · · · · · · · · · ·
	<u> </u>	1	
		consigned to the Carrier named rué and correct to the best of my	SIGNATURE OF AUTHORIZED CONTESCT X
<u></u>		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO I	BECOMPLE	DATE:	
		TED BY CARRIER/DRIVER	
CARRIER NAME	ARAN		3
CARRIER NAME	ARAN	LA TROCKing	3
CARRIER NAME BUSINESS ADDR PHONE NO.	$\frac{ARAN}{ESS} \neq / \frac{1}{2}$ terials in the quan	TED BY CARRIER/DRIVER JA TROCKing CR 5476 farm 3441	3
CARRIER NAME BUSINESS ADDR PHONE NO. I cortify that the mat	$\frac{ARAN}{ESS} \neq / \frac{1}{2}$ terials in the quan	TED BY CARRIER/DRIVER JA TROCKing C.R. 5476 farm 3441 lity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X DEDAYNE Brown TYPE OR PRINT
CARRIER NAME BUSINESS ADDR PHONE NO. I cortify that the mat by me for shipment	ESS $\# / ($ terials in the quantito the above des	TED BY CARRIER/DRIVER JA TRACKing (CR 5476 for 3441 lity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X DEDAYNE Brown
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CARRIER NAME BUSINESS ADDR PHONE NO. Cortify that the mat oy me for shipment PART III: TO RECEIVERS NAME	$\frac{ARAN}{ESS} \neq 12$ $\frac{6.32}{100}$ terials in the quantito the above destination of the	TED BY CARRIER/DRIVER JA TROCKing (CR 5476 fam 3441 lity described above are received tination. DATE: <u>8-29-90</u> LETED BY RECEIVER Young	SIGNATURE OF AUTHORIZED AGENT X DEDAYNE Brown TYPE OR PRINT
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CARRIER NAME BUSINESS ADDR PHONE NO. I cortify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	ESS # // (3,2) terials in the quan to the above des D BE COMPI Morris (505) 326- Thriften (505, Ho 40	TED BY CARRIER/DRIVER JA TROCKing (CR 5476 fam 3441 lity described above are received tination. DATE: <u>8-29-90</u> LETED BY RECEIVER Young	SIGNATURE OF AUTHORIZED AGENT X
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CARRIER NAME BUSINESS ADDR PHONE NO. Icertity that the mat by me for shipment PAR'T III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS SITE ADDRESS	ARAN ESS # // (.32) terials in the quan to the above des D BE COMPL Morris (505) 326- Thriften (505) 326- Thriften (505) 40 40	TED BY CARRIER/DRIVER J.A. TROCKing C.R. 5476 farm 3441 ity described above are received tination. DATE: <u>\$-29-90</u> ETED BY RECEIVER Young 2822 <u>Refinery/Harmond Direc</u>	SIGNATURE OF AUTHORIZED AGENT X

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
MREE TO D	BE COMPLE	TED BY SHIPPER/GENERATOR
очнану наме	Maver	ik Country Stores, Inc.
USUPESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
PDRESS OF SHIP	PMENT ORIGIN	U.S. Highway 550, Kirtland, NM
UTHORIZED CON	MACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	E Envirot	ech/Thriftway Disposal Site
BUSINESS ADDR	ESS Bloomfi	eld, New Mexico OFFICE PHONE (505) 326-2822
SHE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
· · ·		
		consigned to the Carrier named       SIGNATURE OF         and correct to the best of my       AUTHORIZED         CONTEACT       X         DATE:       TYPE OR PRINT         ABOVE NAME       CRAIG
		ETED BY CARRIER/DRIVER
CARRIER NAME	Mo	20 Excavation
	M.O. RESS Flo	ra #Vista, P.O. Boy 343 71. M. 87415
CARRIER NAME CUSINESS ADDR CHONE NO.	M.O RESS <b>Flo</b> 334	ra #Vista, P.O. Boy 343 71.11. \$7415 -6967
CARRIER NAME CUSINESS ADDR CHONE NO.	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>4</b> lo- <b>3 3 4</b> terials in the quan	tity described above are received SIGNATURE OF
CARRIER NAME PUSIVESS ADDR PHYNE NO.	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>4</b> lo- <b>3 3 4</b> terials in the quan	tity described above are received SIGNATURE OF
CARRIER NAME	MD RESS Flor 334 terials in the quant to the above de	tity described above are received SIGNATURE OF
CARRIER NAME CUSICESS ADDR CHARE NO. Contribution and Contribution and Con	M D RESS <b>Flo</b> <u>3 3 4</u> terials in the quant to the above de D BE COMP	20       Hyista, P.O. Boy 343 71.111.87415         -6967         tity described above are received stimation.         Signature of AUTHORIZED AGENT         AGENT         AGENT         NATE:         8:28-90         TYPE OR PRINT ABOVE NAME:         Michael L. Wilson         LETED BY RECEIVER
CARRIER NAME	M D RESS <b>Flo</b> <u>3 3 4</u> terials in the quant to the above de D BE COMP	20 Wisto, P.O. Boy 343 71.11. 87415 -6967 tity described above are received stination. DATE: <u>8-28-90</u> LETED BY RECEIVER Young
CARRIER NAME ENGINE NO. Ending that the mail one for oblomed PARJ HIL: TO ENGLYOPT NAM	M       O         BESS <b>#.lco 3 3</b> terials in the quantities in the quantities in the above deal         D       BE         C       Merris         (505)       326-	20 Hyista, P.O. Boy 343 71.M. 87415 -6967 tity described above are received stination. DATE: <u>8-28-90</u> LETED BY RECEIVER Young
CARRIER NAME CUSINE NO. PROVE NO. PROVE NO. PARA III: TO PARA III: TO PARA III: TO PARA III: TO	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>Flor</b> $\frac{3}{3}\frac{3}{4}$ terials in the quant to the above des $\frac{\mathcal{O}}{\mathcal{O}}$ BE COMP $\frac{\mathcal{O}}{\mathcal{O}}$ $\frac{\mathcal{M}_{O}rris}{(505)}$ $\frac{326}{7}$ Thriftwa	20       Hyista, P.O. Boy 343 71.M. \$7415         -6967         tity described above are received stination.         SIGNATURE OF AUTHORIZED AGENT         AGENT         AGENT         ATE:         8-28-90         TYPE OR PRINT ABOVE NAME:         Michael L. Wilson         LETED BY RECEIVER         Young         2822
CARRIER NAME CUSINESS ADDR ENABLE NO. ENABLE NO. EARL III: IC EFCEDUE NO. ENABLE NO. ENABLE NO. ENABLE NO.	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>Flor</b> $\frac{3}{3}\frac{3}{4}$ terials in the quant to the above des $\frac{\mathcal{O}}{\mathcal{O}}$ BE COMP $\frac{\mathcal{O}}{\mathcal{O}}$ $\frac{\mathcal{M}_{O}rris}{(505)}$ $\frac{326}{7}$ Thriftwa	20 Hyista, P.O. Boy 343 71.11. 87415 -6967 tity described above are received stination. DATE: <u>8.28.90</u> LETED BY RECEIVER Young 2822 
CARRIER NAME CURITESS ADDR ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO. ENDE NO.	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>Flor</b> <b>3 3 4</b> terials in the quant to the above des 0 BE COMP <u>C</u> Morris (505) 326- Thriftwa MENTS No.	20.       Wista, P.O. Boy 343 71.M. \$7415         -6967         Itity described above are received signature of Authonized AGENT X Michael & Wilson AGENT X Michael & Wilson AGENT X Michael & Wilson AGENT X Michael & Wilson AGENT X Michael & Wilson AGENT X Michael & Wilson AGENT X Michael & Wilson X M
CARRIER NAME CURITESS ADDR PHANE HO. PARE HO. PARE HIT IC PARE COMPANY PARE HIT IC PARE H	$\frac{\mathcal{M}}{\mathcal{O}}$ RESS <b>Flor</b> <b>3 3 4</b> terials in the quant to the above des 0 BE COMP <u>C</u> Morris (505) 326- Thriftwa MENTS No.	20- HV.ista, P.O. Boy 343 71.M. §7415         -6967         tity described above are received stimation.         Signature of AUTHORIZED AGENT         AGENT         X         Michael & Wilson         DATE:       Starture of AUTHORIZED AGENT         NATE:       Starture of AUTHORIZED AGENT         DATE:       Starture of AUTHORIZED AGENT         DATE:       Starture of AUTHORIZED AGENT         VOLTO:       NATE:         Starture of AUTHORIZED AGENT       Michael L. Wilson         DATE:       Starture of ADOVE NAME:         Machael A. Wilson       Nove NAME:         Volung       Starture of ADOVE NAME:         2822       Starture of ADOVE NAME:         Quantity described in Part Lare       Starture of ADOVE NAME:

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PARTING	RE COMPLE	TED BY SHIPPER/GENE	RATOR
			nç
HUSHIFSS ADDRE	D ()	Box 457, Afton, Wyom	
ADDRESS OF SHI	PMENT ORIGIN	U.S. Highway 550, K	irtland, NM
AUTHORIZED CON	MACI Terry	v Vandell, Dames & Mo	ore EMERGENCYPHONE (801) 521-9255
	- Envirot	ech/Thriftway Disposa	
SECEIVER'S NAM		eld, New Mexico	OFFICE PHONE. (505) 326-2822
		mond Ditch Road	
SHE ADDRESS			SITE PHONE (505) 632-3363
QUANHIY	UNITS	WASTE DESCRIPT	TION
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	. From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 I	nches Below Sludge In Eastern Sludge Pit)
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CARRIER NAME	Mo	DATE: ETED BY CARRIER/DRIV 25 Edcavation	/ER
рноце ио.			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	terials in the quar	tity described above are received	SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson
		DATE: 8-28-90	AGENT X Michael & Wilson AGENT X Michael & Wilson
PARTHE IC	D BE COMP	LETED BY RECEIVER	
RECEIVERS NAM	e Morris	Young	
FROME NO	(505) 326-	2822	
SHEADDRESS	Thriftwa	y-Refinery/Hammond D	itch Road /Bloomfield, NM
RECEIVER'S COM	IMENTS		1
Ecertity that the i received by me	materials in the	quantity described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X CHART
		DATE ATTA 29,90	TYPE OR PRIMT AROVE NAME;

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PARTE TO B	F COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Mayer	rik Country Stores, Inc.
PUSHESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	IACI Terry	y Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirot	cech/ <del>Thriftuay</del> Disposal Site
	· · · · · · · · · · · · · · · · · · ·	eld, New Mexico OFFICE PHONE. (505)326-2822
SHE ADDRESS		mond Ditch Road SITE PHONE (505) 632-3363
CSTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site l_Sludge/Soil Near Diesel Fuel Tanks
60	G.yd.	Site 2_Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soit From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
knowledge.		DATE: TYPE OR PRINT CRAIG_SCOLA
PART II: TO F	RE COMPLE	ETED BY CARRIER/DRIVER
CARBIER NAME	MADSS	ENESTION
BUSINESS ADDRI	ss 1. 2/00	orly No sta 1013 343
THONE NO 33	34-69	367
	erials in the quan	ntity described above are received SIGNATURE OF
		DATE: 6-29-97 ABOVE NAME:
PART III- TO	RE COMP	LETED BY RECEIVER
RECEDENCES NAME	Motris	Young
1.14-343E-1213	(505) 326-	-2822
THE ADDRESS	Heriften	Relinery/Hammond Bitch Road / Bloomfield - NH Commond -
DISPOSAL SIT RECEIVER'S COMI		MW 44 FROM HILLTON THRIFTWAY.
1	naterials in the	quantity described in Part Lare SIGNATURE OF AUTHORIZED AGENT X Muchar 7. Com
received by me,		AGENT X Courses a course
received by mg		DATE 8-29-90 TYPE OR PRINT MICHAEL T. EASON

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		INDUSTRIAL WASTE DISPOSAL MANIFEST	
PARTE TO B	E COMPLE	TED BY SHIPPER/GENERATOR	
COMPARY NAME	Maver	ik Country Stores, Inc.	··
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM	
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCYPHONE (801) 521-925	5
RECEIVER'S NAME	E Envirote	m12 ech/ <del>Thriftung</del> Disposal Site	
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE (505) 326-2822	
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363	
OUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks	
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank	
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge	ì
below, Loertify that t		e consigned to the Carrier named true and correct to the best of my XUTHORIZED COTLEACT X	,
below, I certify that t knowledge	the foregoing is t	true and correct to the best of my AUTHORIZED	)
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PART II: TO F	the foregoing is t BE COMPLE MLC_S_S	AUTHORIZED CONTEACT X	1
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PART II: TO F CARRIER NAME BUSINESS ADDRI PHONE NO. 3	the foregoing is t BE COMPLE MLOSS ESSJE fu Constant of the quan	AUTHORIZED CONTEACT X DATE:	)
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INDUSTRIAL WASTE DISPOSAL MANIFES
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PARTE TO B	E COMPLE	TED BY SHIPPER/GENI	ERATOR
COMPARY NAME	Maver	ik_Country_Stores,_]	Inc
USINESS ADDRE	ss P.O.	Box 457, Afton, Wyon	aing 83110-0457
ADDRESS OF SHI	MENTORIGIN	U.S. Highway 550, H	(irtland, NM
AUTHORIZED CON	HACI Terry	Vandell, Dames & Mo	DORE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	e Envirote	Mai Dispos	al Site
DUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SHE ADDRESS	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIP	'TION
40	C.yd.	Site 1 Sludge/Soi	l Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soi	l Near Fuel Tank
6()	C.yd.	Site 3 Sludge/Soi	1 From Crude Oil Tank (Drums too)
200	C.yd. 7	Site 4 Soil, >/4	Inches Below Sludge In Eastern Sludge Dit
CARRIER NAME	buross	DATE: TED BY CARRIER/DRIV Fey Re Vetio	9-in
		a Vista POR	342
PHONE NO. 3			
Sertify that the main by me for shipment		lity described above are received tination.	AUTHORIZED AGENT X Watth Michael
		DATE: 8-29-90	ТҮРЕ ОЛ РАНИТ АВОVЕ NAME:
PART HE TO	BE COMPL	ETED BY RECEIVER	
PERFECTION NAME	- Morris '	Young	
11463131 2363	(505) 326-	2822	
SHE ADDRESS SITE ACRO RECEIVER'S COM		FROM HILLTON THA	IFTWAY
Eventify that the r received by me	naterials in the c	quantity described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X Michael J. Burn
		DATE 8-29-90	ABOVE NAME: MICHAEL T. EASON

PART 1: TO B	E COMPLE	TED BY SHIPPER/GENERAT	FOR
COMPANY NAME	Mave	ik_Country_Stores, Inc.	
BUGINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	Land, NM
ANTHORIZED CON	TACT Terry	v Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
PLCEIVER'S NAME	Envirot	<b>ma£</b> ech/ <del>Thriftmay-</del> Disposal S	ite
BUSINESS ADDRE	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	mond Ditch Road	SITE PHONE (505) 632-3363
PSTTMATED QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Ne	ar Fuel Tank
60	C.yd.	Site 3 Sludge/Soil Fr	om Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inch	es Below Sludge In Eastern Sludge Pit
		e consigned to the Carrier named	SIGNATURE OF
helow. I certify that t		e consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
helow, I certify that t knowledge,	the foregoing is	rue and correct to the best of my	AUTHORIZED Contact X
Nelow. Ecertify that the source of the sourc	the foregoing is	DATE:	AUTHORIZED Contact X TYPE OR PRINT CRAIG SCOLA
Selow, Ecertify that f inowledge, SARTU: TO F SARTU: TO F	the foregoing is RECOMPLE	DATE:	AUTHORIZED Contact X TYPE OR PRINT CRAIG SCOLA ABOVE NAME:
Selow Ecertify that for social	the foregoing is RE COMPLE IM 05 ESS III	DATE: TED BY CARRIER/DRIVER $S = \frac{1}{2} - \frac{1}{2} C = \sqrt{2} - \frac{1}{2} - \frac{1}{2} C = \frac{1}{2} - $	AUTHORIZED Contact X TYPE OR PRINT CRAIG SCOLA ABOVE NAME:
PART II: TO F CART II: TO F CART II: TO F CARTER NAME CONTRESS ADDRI FHOME NO. <u>3</u> Contribution mat	the foregoing is BE COMPLE <i>IM 0 S</i> ESS <i>F</i> 3 4 4 5 erials in the guar	The and correct to the best of my DATE: ETED BY CARRIER/DRIVER $S = \frac{1}{2} - \frac{1}{2} \frac{1}{$	AUTHORIZED Contact X TYPE OR PRINT CRAIG SCOLA ABOVE NAME:
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below. Ecertify that the below. Ecertify that the below below to the below bel	the foregoing is BE COMPLE Model ESS 3 4 4 9 erials in the quar to the above de BE COMP	The and correct to the best of my DATE: ETED BY CARRIER/DRIVER $S = \frac{f}{2} \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2} $	AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> 3600 34/3 SIGNATURE OF AUTHORIZED AGENT X Walter MI Aus IYPE OR PRINT
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		INDUSTRIAL WASTE	E DISPOSAL MANIFEST
PART I: TO B	ECOMPLET	TED BY SHIPPER/GENER	ATOR
COMPANY NAME		ik Country Stores, Inc	
BUSINESS ADDRE	D O	Box 457, Afton, Wyomin	
ADDRESS OF SHIP		U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
<u></u>			
RECEIVER'S NAME	= Envirote	mac ch <del>/Thriftwa</del> y Disposal	Site
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
• •		nond Ditch Road	
SITE ADDRESS	naum		
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIC	IN 7
40 (	C.yd.	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil. >/4 Inc	<u>ches Below Sludge In Eastern Sludge Pit</u>
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knowledge.		DATE:	Conteact X
		TED BY CARRIER/DRIVE	
		Nista P.D.B	
	34 69	767	· · ·
	erials in the quant	ity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X With Michue
		DATE: 8-25-90	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftway	-Refinery/Hanmond DIE	ch Road /Bloomfleid, NM , Manatan Sala M
SITE ADDRESS SITE ACTO RECEIVER'S COMI			Ch Road /Bloomfleid, NM GNUIROTECH SUIL DIS FYWMY
f certify that the m received by me.	naterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchuel J. Bun TYPE OR PRINT ABOVE NAME: MICHAEL T. EASON

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PART I: TO BI			
		red by Shipper/Genei	
COMPANY NAME		ik Country Stores, In	· · · · · · · · · · · · · · · · · · ·
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyomi	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CONT	TACT Terry	Vandell, Dames & Moc	DIE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/Thriftway Disposa	
BUSINESS ADDRES	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPT	ION
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	1	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	nches Below Sludge In Eastern Sludge Pit
		SIFR5	
below. I certify thát t knowledge.	he foregoing is tr	ue and correct to the best of my	Contact X
		DATE: 8-29-90	ABOVE NAME: CRAIG SCOLA
		TED BY CARRIER/DRIVE	ER
CARRIER NAME	Mose	TED BY CARRIER/DRIVE	ER
CARRIER NAME	Mose	TED BY CARRIER/DRIVE	ER
CARRIER NAME BUSINESS ADDRE	MOSS ss J-Ja	TED BY CARRIER/DRIVE > For Crosti Lo Nista FOL	ER
CARRIER NAME BUSINESS ADDRE PHONE NO.	$\frac{1}{100} \frac{1}{100} \frac{1}$	TED BY CARRIER/DRIVE Frank Crowerty Frank Cr	ER
CARRIER NAME BUSINESS ADDRE PHONE NO.	$\frac{1}{100} \frac{1}{100} \frac{1}$	TED BY CARRIER/DRIVE $F_{M} \land P \land T$ $f_{\infty} \land S \land T \land F \land D \land$ $F \land G \land T$ ity described above are received tination.	ER 67 3343 SIGNATURE OF AUTHORIZED AGENT X CUMUMI MICHOS TYPE OR PRINT
CARRIER NAME BUSINESS ADDRE PHONE NO.	$\frac{1}{2} \frac{1}{2} \frac{1}$	TED BY CARRIER/DRIVE Frank Crowerty Frank Cr	ER 67 3343 SIGNATURE OF AUTHORIZED AGENT X CUMMS MICHON
CARRIER NAME BUSINESS ADDRE PHONE NO.	$\frac{MGS}{SS} = \frac{1}{G} \frac{MGS}{SS}$	TED BY CARRIER/DRIVE $F \rightarrow P + P + P + P + P + P + P + P + P + P$	ER 67 3343 SIGNATURE OF AUTHORIZED AGENT X CUMUMI MICHOS TYPE OR PRINT
CARRIER NAME BUSINESS ADDRE PHONE NO. 3 Icertify that the mate by me for shipment f PART III: TO RECEIVERS NAME	$\frac{MGS}{SS} = \frac{1}{G} \frac{MGS}{SS}$	TED BY CARRIER/DRIVE $F_{reg} P P v = T_1$ $f_{reg} N_S S f_P P D$ P G T ity described above are received tination. DATE: ETED BY RECEIVER Young	ER 67 3343 SIGNATURE OF AUTHORIZED AGENT X CUMUMI MICHOS TYPE OR PRINT
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	E (COMET-	TED BY SHIPPER/GENERATO	1
COMPARE NAME			·
NESTRESS ADDRES	<b>D</b> ()	Box 457, Afton, Wyoming 8	
ACTIRESS OF SHIP		U.S. Highway 550, Kirtlar	nd, NM
· · · · · · ·		v Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
PECEIVER'S NAME	= Envirot	ech/ <del>Thriftway</del> Disposal Site	ρ
,		eld, New Mexico	OFFICE PHONE. (505) 326-2822
			(505) (20 22(2
SUF ADDRESS	nam	mond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Near	Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near	Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From	Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches	Below Sludge In Eastern Sludge Pit
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the materials descr	ibod abova war	consigned to the Carrier named	
		true and correct to the best of my	GNATURE OF JTHORIZED IL TACT X
below. I certify that I		true and correct to the best of my OCO Cor	JTHORIZED
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Delow. I certify that the knowledge. PART II: TO F CARRIER NAME RUSINESS ADDRI PHONE NO.	the foregoing is 3E COMPLI $AC = 3ESS = PCCOMPLI AC = 3COMPLI C = 3COMPLI AC = 3COMPLIAC = 3COMPLI AC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLICOMPLIAC = 3COMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLI = 2COMPLICOMPLI = 2COMPLI = 2CO$	true and correct to the best of my $Correct to the best of my Correct to the best of the $	THORIZED TEACT X TPE OR PRINT CRAIG SCOLA BOVE NAME: CRAIG SCOLA
below. I certify that i knowledge, PART II: TO F CARRIER NAME RUSINESS ADDRI PHONE NO.	the foregoing is 3E COMPLI $AC = 3ESS = PCCOMPLI AC = 3COMPLI C = 3COMPLI AC = 3COMPLIAC = 3COMPLI AC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLIAC = 3COMPLICOMPLIAC = 3COMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLICOMPLI = 2COMPLICOMPLI = 2COMPLI = 2CO$	true and correct to the best of my $Correct to the best of my Correct to the best of my Correct Correct to the best of my Correct $	THORIZED TEACT X TPE OR PRINT CRAIG SCOLA BOVE NAME: CRAIG SCOLA
below. I certify that i knowledge, PART II: TO F CARRIER NAME BUSINE SS ADDR BUSINE SS ADDR PHONE NO. Locatify that the mat by the for shipment	the foregoing is 3E COMPLI $ACSESS PC34-6erials in the quar-to the above de$	Inve and correct to the best of my $Correct to the best of my Correct to the best of the best of the best of the best of the best of the best of the best of my Correct to the best of $	ITHORIZED TE OR PRINT DOVE NAME: <u>CRAIG SCOLA</u> CRAIG SCOLA CRAIG SCOLA NOVE NAME: <u>CRAIG SCOLA</u> NOVE NAME: <u>CRAIG SCOLA</u>
below. I certify that i knowledge, PART II: TO F CARRIER NAME BUSINE SS ADDR BUSINE SS ADDR PHONE NO. Locatify that the mat by the for shipment	the foregoing is BE COMPLI AC = 3 BE COMPLI $AC = 3COMPLI COMPCOMPCOMP$	true and correct to the best of my $Correct to the best of my Correct to the best of my Correct Cor$	THORIZED TEACT X TPE OR PRINT CRAIG SCOLA BOVE NAME: CRAIG SCOLA
Defow I certify that is knowledge. PART II: TO F CARRIER NAME BUSINESS ADDR PHONE NO. Isourify that the mat by me for shipment PART III: TO DECIDERS HAME	the foregoing is BE COMPLI AC = 3 BE COMPLI $AC = 3COMPLI COMPCOMPCOMP$	true and correct to the best of my $Correct to the best of my Correct to the best of my Correct Cor$	THORIZED TEACT X TPE OR PRINT CRAIG SCOLA BOVE NAME: CRAIG SCOLA
ENDER LEARNING	the foregoing is 3E COMPLI AACS ESS PC 234-6 erials in the quar- to the above de 0 RE COMP . Norris	true and correct to the best of my $Contended Correct to the best of my Contended Co$	ITHORIZED TEACT X IPE OR PRINT DOVE NAME: <u>CRAIG SCOLA</u> NOVE NAME: <u>CRAIG SCOLA</u> NOVE NAME: <u>CRAIG SCOLA</u> IGNATURE OF UTHORIZED SENT X <u>CRAIG SCOLA</u> IGNATURE OF UTHORIZED SENT X <u>CRAIG SCOLA</u> YPE OR PRINT BOVE NAME: <u>Prossell Mars</u>
ENDER LEARNING	the foregoing is 3E COMPLI AC S ESS PC D 34-6 erials in the quar to the above de 0 RE COMP Morris (505) 326- Thr TF Co- S HO 44	true and correct to the best of my $Correct to the best of my Correct to the best of my Correct Cor$	A Liste AM SZUIS A Liste AM SZUIS A Liste AM SZUIS A Liste AM SZUIS A A Liste AM SZUIS A A Loomfield, NM ENVILOTECH SOIL
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Incertify that the mat by the for shipment PART III: TO DECEIVER'S MAME SHE ADDRESS SHE ADDRESS	the foregoing is BE COMPLI AC S ESS PC 734-6 erials in the quar to the above de RE COMP Norris (505) 326- Fint Tow MENTS	Inve and correct to the best of my     Atternation       DATE:	All Sta MM SZELLS ALL STA MM SZELLS IGNATURE OF UTHORIZED SENT X EXAMPLESSELL MOSS WE OR PRINT BOVE NAME: SCILMOSS WALL / BLOOMFIGIDI, NM EMVILOTECH SOIL FY
PART II: TO F CARRIER NAME RUSINESS ADDRI PHONE NO. Locality that the mat by the for shipment PART III: FO DEC 125 BC HAME PHONE (IO. SILL ADDRESS STE ACAPE RECEIVER'S COM	the foregoing is BE COMPLI AC S ESS PC 734-6 erials in the quar to the above de RE COMP Norris (505) 326- Fint Tow MENTS	true and correct to the best of my $Correct to the best of my Correct to the text of text of tex of te$	A USATURE OF CRAIG SCOLA

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PAREETOR	E COMPLE	TED BY SHIPPER/GENE	ERATOR
COMPANY NAME	Maveı	ik Country Stores, 1	nc
PUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyom	ing 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, K	irtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Mo	ore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirot	MLC ech <del>/Thriftmay</del> Dispose	al Site
BUSINESS ADDRE		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SHE ADDRESS	Ham	mond Ditch Road	SITE PHONE (505) 632-3363
TITHATED	T	T	
QUANTITY	UNITS	WASTE DESCRIP	
40	C.yd.		l Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	l Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4, Soil, >/4 1	Inches Below Sludge In Eastern Sludge Pir
t - en a se care entre alacado			
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED CORTEACE X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
CARRIER NAME	Moss	ETED BY CARRIER/DRIN Excountion	<
BUSINESS ADDRI	ess PO	BOX 343 A	Flore Vista NM 87415
рноние но.		334-6967	
foortify that the mat to me for shipment		tity described above are received stination.	SIGNATURE OF AUTHORIZED AGENT X JANJACH MAJY
		DATE: 8/22/90	ABOVE NAME: RUSS CIL MOSS
PART HE TO	BE COMP	LETED BY RECEIVER	
RECTIVERS NAME	Morris	Young	
EHOME H2	(505) 326-	2822	
SHE ADDRESS	<del>The if two</del>	y Refinery/fimmend b	itch Road / Bloomfield, NH EUVICOTECH SOIL DISMIS
	MENTS	FROM HILLTOP THR	
Eccertify that the m received by me	naterials in the	quantity described in Part Lare	AUTHORIZED X Muchan 2, Enn
		DATE 8-29-90	ABOVE NAME: MICHAEL T. EASON

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INDUSTRIAL WASTE DISPOSAL MANIFES
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PAREL: TO B	F COMPLE	TED BY SHIPPER/GENER/	ATOR
COMPANY NAME	Mayer	ik Country Stores, Inc	·
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyomin	g 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	HACT Terry	Vandell, Dames & Moor	EMERGENCY PHONE (801) 521-9255
PECEIVER'S NAME	E Envirote	<b>m 2C</b> ech/ <del>Thriftway-</del> Disposal	Site
RUSINESS ADDRE	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SHE ADDRESS	Ham	mond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTIO	Ν
40	C.yd.	Site 1 Sludge/Soil N	ear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil N	ear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil F	rom Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
Enowledge.		DATE:	AUTHORIZED CONTEACT X
		ETED BY CARRIER/DRIVER	{
		)	lora plata NM
PERMENSIO.	•		
	erials in the quan	tity described above are received	SIGNATURE OF AUTHORIZED AGENT X RUSS MANDY
		DATE: 129. 90	ABOVE NAME: ASSEN M2635
PART III: TO	BE COMPI	ETED BY RECEIVER	
PERCERCERN NAME	Morris	Young	
011111.110.	(505) 326-	-	
SHE ADDRESS	•	y-Pofinery/Hammond Dite	LE h Road /Bloomfield; NM ENVIROTECH Soil OISPOSA AY
Leartify that the n received by me	naterials in the	quantity described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X Muchull. Earon

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PARTE TO BE	ECOMPLE	EED BY SHIPPER/GENEI	RATOR
			C
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyomi	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moo	re EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	<b>بدید</b> ech/ <del>۳۰۰۰ کیرکند</del> y Disposal	
BUSINESS ADÓRES	s Bloomfic	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SHE ADDRESS	Hamm	nond Ditch Road	SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTI	ON
40	C.yd	Site 1 Sludge/Soil	Near_Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Ir	nches Below Sludge In Eastern Sludge Pit
	· ····		
knowledge.		0ATE:	Contact X
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVE	ĒR
		are Excasati	en.
BHSHIESS ADDRE	ss pc	Box 343 A	en Tesa Vista MA 824 15
PHONE NO.		•	
	rials in the quan	lity described above are received	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 8/27/90	TYPE OR PRINT ABOVE NAME: ABOVE NAME: MUSS
PARTIE: IO	RE COMPL	ETED BY RECEIVER	
GET EVERS NAME	Morris '	foung	
пнонено, (	505) 326-		
SHE ADDRESS SITC ACRASS RECEIVER'S COMM		BOLINE CY/Hammond DE COM HILLTON THRIPTI	WAY CONTINUED IN ENVIROTECH SOIL DISPO
11 17 19 bar - 1 - Terret yang managana			
Ecertity that the managed by me	aterials in the o	quantity described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X Muchan 2. Euro
		DATE: 8-29-90	ABOVE NAME: MICHAEL T. EASON

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		INDUSTRIAL WASTE	E DISPOSAL MÁNIFEST
PART I: TO B	E COMPLE	ED BY SHIPPER/GENER	ATOR
COMPANY NAME		ik Country Stores, Inc	
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyomir	ng 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	CE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech/ <del>Thriftw</del> ay Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
		nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIC	DN
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd. [	Site 2 Sludge/Soil 1	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
			······································
		consigned to the Carrier named rue and correct to the best of my	signature of Authorized Contact X
		DATE:	TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	R
CARRIER NAME	Mars	- Exca vation	12
BUSINESS ADDRI	ESS PC	Box 743 F	largita NIM 87415
PHONE NO.	334262	767	
I certify that the mat by me for shipment		ity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 2/29/90	TYPE OR PRINT RUSSENMOSS
PART III: TO		ETED BY RECÉIVER	
RECEIVERS NAME	Morris	loung	
PHONE NO.	(505) 326-	2822	
SITE ADDRESS		y Refinery/Hammond Dit Flow HILLTON THRIF	<del>ch Road /Bloomfield, MITENVIROTECH</del> Soil DISMOSME TWATV
I certily that the m received by me.	naterials in the c	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Mucha J. Law
		DATE: 8-29-90	ABOVE NAME: MICHAEL T. EASON

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		INDUSTRIAL WASTE	E DISPOSAL MANIFEST
PART I: TO B	E COMPLET	ED BY SHIPPER/GENER	ATOR
COMPANY NAME		ik Country Stores, Inc	
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyomin	g 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
		mat	
RECEIVER'S NAME	Envirote	ch/Thriftway Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Häm	ond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIC	Ň
40	C.yd.	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil 1	lear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil 1	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	ches Below Sludge In Eastern Sludge Pit
			· · · · · · · · · · · · · · · · · · ·
		consigned to the Carrier named we and correct to the best of my DATE:	SIGNATURE OF AUTHORIZED Corteact X 
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	
CARRIER NAME	Ma	38 Frandfor	
BUSINESS ADDRE	ESS PC	1 Bax 3413 ,	Ejosa, U., ta NM
PHONE NO.	6	967	•
I certify that the mate by me for shipment		ity described above are received tination.	SIGNATURE OF AUTHORIZED AGENT X
		DATE: 5/27/90	ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	•		ch Road /Bloomfield, NM ENVIROTECH SOL OBROSAL WAY
t certify that the m received by me.	naterials in the c	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchan 2. Com
		DATE: 8-29-90	ABOVE NAME: MICHAEL T. EALON

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INDUSTRIAL WASTE DISPOSAL MANIFEST	
	·····
PART 1: 10 BE COMPLETED BY SHIPPER/GENERATOR	
COMPANY HAME Maverik Country Stores, Inc BUSINESS ADDRESS P.O. Box 457, Afton, Wyoming 83110-0457	10 k
ILS Highway 550 Kirtland NM	
AUDIA 55 OF SHIPMENT UNGIN	
AUTHORIZED CONTACT Terry Vandell, Dames & Moore EMERGENCY PHONE (801) 521-925	55
mal RECEIVER'S NAME Envirotech/Theiftung Disposal Site	
RUSHNESS ADDRESS Bloomfield, New Mexico OFFICE PHONE (505)326-2822	
SHEADDRESS Hammond Ditch Road SITE PHONE (505) 632-3363	
LOTHATED I	
OUANTITY UNITS WASTE DESCRIPTION	
40 C.yd. Site 1 Sludge/Soil Near Diesel Fuel Tanks	
60 C.yd. Site 2 Sludge/Soil Near Fuel Tank	
60 C.yd. Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200 C.yd. Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge I	PIE
DATE:	1
RUSINESS ADDRESS Plona Vista RO. Box 343 NM 87415	
PHONE NO. 334-6967	
Icentify that the materials in the quantity described above are received.     SIGNATURE OF       Issue for shipment to the above destination.     AUTHORIZED       AGENT     X	y2
DATE: 8-29-90 AUTHORIZED AGENT X <u>Michael L Welse</u> IYPE OR PRINT ABOVE NAME: <u>Mich AEU L.</u> Wi	LSON
PARÉ III: TO BE COMPLETED BY RECEIVER	
CECENERS NAME MOINTS YOUNS	
(505) 326-2822	
	······
SITE ADDRESS "THE FLUMY POLINETY/HIMMOND Ditch Road /Dicomfield, NH ENVIROTECH S SITE ACROSS HO 44 FROM HILL TOP THRIPTORY RECEIVER'S COMMENTS	SOIL DISMO
1 ()	
L certify that the materials in the quantity described in Part Lare SIGNATURE OF AUTHORIZED AGENT X	
HATE HUR SA GO ABOVE NAME UERL FARDSWOR	TH

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PARTE IO R	E COMPLE	TED BY SHIPPUR/GENERATOR
COMPANY NAME	Mayer	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Alton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	tact Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
	- Envirot	mil ech/Thriftway Disposal Site
HECEIVER'S NAME		eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	nam	nond Ditch Road SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site   Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site + Soil, >14-Inches Below Sludge In Eastern Sludge Pit
		21.53
knowledge.		DATE: TYPE OR PRINT CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	Mos	1 Execution
BUSINESS ADDRE		ra Vista A.O. Box 343 n.M. 87415
PHONE NO.	334-6	967
Ecertify that the mate by me for shipment	•	ity described above are received SIGNATURE OF AUTHORIZED AGENT X <u>Mishaul &amp; Walacc</u>
		DATE: 7-29-90 TYPE OF PRINT ABOVE NAME: Michael L. Wikson
PART III: TO	BE COMPI	ETED BY RECEIVER
RECEIVERS NAME	Morris V	'oung
PHONE NO.	(505) 326-	2822
	Thriftwa	M2E y-Refinery/Hommond-Ditch Road /Bloomfield, MH ENVIROTECH SOIL D
SITE ADDRESS	• •	
	• •	
SITE ACCON RECEIVER'S COM	MENTS	juantity described in Part I are SIGNATURE OF
RECEIVER'S COM	MENTS	quantity described in Part I are SIGNATURE OF

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		INDUSTRIAL WASTE	DISPOSAL MANIFEST
		· · · · · · · · · · · · · · · · · · ·	
		TED BY SHIPPER/GENER	
COMPANY NAME	R O	<u>ik Country Stores, Inc</u> Box 457, Afton, Wyomin	
BUSINESS ADDRES	<u>ss</u> P.0.	U.S. Highway 550, Kir	
ADDRESS OF SHIP			
AUTHORIZED CON	TACT TERRY	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	m 1.C ech/ <del>Thriftway</del> Disposal	Site
·····		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIO	N
40	C.ÿd.	Site 1 Sludge/Soil N	lear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil N	lear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil H	From Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
below, I cërtify ihiit t knowledge.	ihe foregoing is t	Consigned to the Carrier named rue and correct to the best of my DATE:	SIGNATURE OF AUTHORIZED COTEBUCE X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E	SE COMPLE	TED BY CARRIER/DRIVE	3
CARRIER NAME	Mar	p franction	
BUSINESS ADDRE	ss 710	no Vista PO.Bo	1 3 43 N.M. 87415
PHONE NO.	32.3	34-6967	•
I certify that the mate by me for shipment		lity déscríbéd above áré réceived tination.	SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson
		DATE: 8-29-98	ABOVE NAME: MICHAELLOWILSON
PART III: TO	BE COMPI	ETED BY RECEIVER	
RECEIVERS NAME	Morris	Young	
PHONE NO.	(505) 326-	2822	
SITE ADDRESS		y-Rofinery/Hammond Ditt	th Road /Bloomfield, NM GNVIDOTECH SOIL PISMOSAT WAY
I certify that the m received by me.	naterials in the o	quantity described in Part 1 are	signature of authorized agent x michael J. Earon
		DATE: 525-90	ABOVE NAME: MICHABL T. EASON

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		TED BY SHIPPER/GENE	NATUR
COMPANY NAME	Maver	ik Country Stores, In	
BUSINESS ADDRES		Box 457, Afton, Wyomi	•
ADDRESS OF SHIP		U.S. Highway 550, Ki	ttland, NM
		Vandell, Dames & Moo	re EMERGENCY PHONE (801) 521-9255
		Mil	
RECEIVER'S NAME	<u>Envirote</u>	ch/ <del>finifiwa</del> y Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexicó	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	1 ·····	<u>+</u>	
QUANTITY	UNITS	WASTE DESCRIPTI	ON
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Ir	iches Below Sludge In Eastern Sludge Pit
	<u> </u>	······	·
		DATE:	ABOVE NAME: CRAIG SCOLA
	Moss	TED BY CARRIER/DRIVE	R
CARRIER NAME BUSINESS ADDRI	Moss ESS 7 Lo	Exacotion na Vista P.O.E.	
CARRIER NAME BUSINESS ADDRI PHONE NO.	Moss ESS 7 Lo 234 - 690 erläls in the quant	<u>Accuolien</u> na Vista POK	SIGNATURE OF AUTHORIZED AGENT X Michael L. Wilson
CARRIER NAME BUSINESS ADDRI PHONE NO Icertify that the mate	Moss ESS 7 Lo 234 - 690 erläls in the quant	<u>Accuolien</u> na Vista POK	R 343 N.M. # 87415 SIGNATURE OF
CARRIER NAME BUSINESS ADDRI PHONE NO	$\frac{M}{2} \frac{\partial \omega}{\partial t}$	<u>Exanolien</u> <u>na Vista POS</u> <u>17</u> htty déscribed above are réceived tilination.	SIGNATURE OF AUTHORIZED AGENT X Michael L. Wilson
CARRIER NAME BUSINESS ADDRI PHONE NO	Most ESS 7 Lo 234 - 690 erials in the quant to the above des	<u>Examplian</u> <u>Accessorian</u> <u>Ara</u> <u>Vista</u> <u>POK</u> <u>Ara</u> <u>DATE: <u>8-29-90</u> ETED BY RECEIVER</u>	SIGNATURE OF AUTHORIZED AGENT X Michael L. Wilson
CARRIER NAME BUSINESS ADDRE PHONE NO. fcertify that the mate by me for shipment PART III: TO RECEIVERS NAME	Most ESS 7 Lo 234 - 690 erials in the quant to the above des	<u>EACANOLION</u> <u>na Vista P.O.K.</u> Nity déscribed above are réceived tilination. <u>DATE: 9-29-90</u> ETED BY RECEIVER Young	SIGNATURE OF AUTHORIZED AGENT X Michael L. Wilson
CARRIER NAME BUSINESS ADDRE PHONE NO. I certify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. (	Moal ESS 7 Lo 234 - 690 erlais in the quant to the above des BE COMPL Morris 1	<u>EACANOLION</u> <u>na Vista P.O.K.</u> Nity déscribed above are réceived tilination. <u>DATE: 9-29-90</u> ETED BY RECEIVER Young	R SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson TYPE OR PRINT ABOVE NAME: Michael L. Wilson
CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE FOCKO	Most ESS 7 Lo 234 - 690 erials in the quant to the above des BE COMPL Morris (505) 326- Theiftwar SC N D 44 E	<u>EACANOLION</u> <u>na Vista P.O.K.</u> Nity déscribed above are réceived tilination. <u>DATE: 9-29-90</u> ETED BY RECEIVER Young	R SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson TYPE OR PRINT MICHAEL & WILSON ABOVE NAME: MICHAEL & WILSON ABOVE NAME: MICHAEL & WILSON
CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	Most ESS 7 Lo 234 - 690 erials in the quant to the above des BE COMPL Morris (505) 326- Theiftwar SC N D 44 E	<u>Examplien</u> <u>Accention</u> <u>Ara</u> <u>Vista</u> <u>POK</u> <u>Ara</u> <u>Itity described above are received</u> <u>Itity described</u>	R SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson TYPE OR PRINT MICHAEL & WILSON ABOVE NAME: MICHAEL & WILSON ABOVE NAME: MICHAEL & WILSON
CARRIER NAME BUSINESS ADDRE PHONE NO Icertify that the main by me for shipment PART III: TO RECEIVERS NAME PHONE NO SITE ADDRESS SET & PCRO	Most ESS 7 Lo 234 - 690 erials in the quant to the above des BE COMPL Morris 1 (505) 326 Thriftwo KENTS	<u>Examplien</u> <u>Accention</u> <u>Ara</u> <u>Vista</u> <u>POK</u> <u>Ara</u> <u>Itity described above are received</u> <u>Itity described</u>	SIGNATURE OF AUTHORIZED AGENT X Michael & Welson TYPE OR PRINT ABOVE NAME: Michael & Wilson Michael & Wilson SIGNATURE OF AUTHORIZED SIGNATURE OF AUTHORIZED Marchael & Read
CARRIER NAME BUSINESS ADDRE PHONE NO Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO SITE ADDRESS SITE ADDRESS SITE ADDRESS COMPARENT COMPARENT RECEIVER'S COMPARENT I certify that the m	Most ESS 7 Lo 234 - 690 erials in the quant to the above des BE COMPL Morris 1 (505) 326 Thriftwo KENTS	<u>CACANOLION</u> <u>ma Vista POK</u> <u>ity déscribed above are réceived</u> <u>itination.</u> <u>DATE: <u>\$-29-90</u> ETED BY RECEIVER Young 2822 <del>Marine Millitor THEIFTA</del></u>	R SIGNATURE OF AUTHORIZED AGENT X Michael & Wilson TYPE OR PRINT ABOVE NAME: Michael L. Wilson Ch. Road / Bloomfield, HT EDUIRDTOCH SOIL DISMOS.

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		INDUSTRIAL WAST	E DISPOSAL MANIFEST
PÁRT I. TO B	E COMPLE	TED BY SHIPPER/GENE	RATOR
COMPANY NAME		ik Country Stores, Ir	
BUSINESS ADDRES	D O	Box 457, Afton, Wyomi	·
ADDRESS OF SHIP		U.S. Highway 550, Ki	Irtland, NM
		Vandell, Dames & Moo	Dre EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME		net Disposa	
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hami	nond Ditch Road	SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPT	ION
40	C.yd.		Néar Diesel Fuel Tanks
60	C.yd.		Near Fuel Tank
<u> </u>	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	nches Below Sludge In Eastern Sludge Pit
and the second second second second second second second second second second second second second second second	1	consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED Conteact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVI	ER
CARRIER NAME	mos	1 Excaration	· · · · · · · · · · · · · · · · · · ·
BUSINESS ADDRE		sa. Uustas P.O.	Box 343 77, m 87415
	34-69		•
i certity that the mate by me for shipment		itý děšcítběd above are récelved tinátion.	SIGNATURE OF AUTHORIZED AGENT X <u>MInhay</u> Lilson
		DATE: 9.29-90	ABOVE NAME: MICHAEL L. WILSON
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris	Loung	
PHONE NO.	(505) 326-	2822	
SITE ADDRESS SITE ACROCK RECEIVER'S COM		Hill TOP THRIFT	tch Road /Bloomfield, NM ENVIROTECH SOIL DISPOSAC WAY
I certify that the m received by me.	naterials in the c	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Michael J. Guon
		DATE: 8-29-90	TYPE OR PRINT ABOVE NAME: MICHAEL T. EASON

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		No
		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO B	E COMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	AC ech/ <del>Thriftwa</del> y Disposal Site
BUSINESS ADDRE	ss <sup>B</sup> loomfie	eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS	Ham	nond Ditch Road . SITE PHONE (505) 632-3363
ESTIMATED		· · · · · · · · · · · · · · · · · · ·
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
· .	and the second	
1. (1.4. 8).		
		consigned to the Carrier named SIGNATURE OF AUTHORIZED AUTHORIZED CONTEact X
		DATE: TYPE OR PRINT CRAIG SCOLA
PART II: TO E	E COMPLE	TED BY CARRIER/DRIVER
CARRIER NAME	Mo	exercation
BUSINÉSS ADDRE	iss 7 la	ma Unto ROBOL 343 7. M. 87415
*****************	334.4	
	rials in the quant	itý désőríbéd above áré recéived SIGNATURE OF
		DATE: 8-29-90 TYPE OR PRINT MICHAELL. WILSON
PART III: TO	BE COMPL	ETED BY RECEIVER
RECEIVERS NAME	Morrie V	
	(505) 326-2	2822
	This & Came	-Refinery/Hammond Ditch-Road_/Bloomfield, NHENVINOTECH SOIL DISPOS
	SE MW 44	FROM HILLTOP THRIFT WAY
SITE ADDRESS SITE ACOUR RECEIVER'S COM	MENTS	
SITE ACOU RECEIVER'S COM	· <u>·</u> ······	DATE: 8-29-90 TYPE OR PRINT MICHAELT: EASON

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PART I: TO B	E COMPLET	ED BY SHIPPER/GENE	RATOR	
COMPANY NAME	Maver	ik Country Stores, In	nc	
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyom	ing 83110-0457	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, K	irtland, NM	
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moo	ore EMERG	ENCY PHONE (801) 521-9255
<u></u>		mai		······································
RECEIVER'S NAME		ch/ <del>Thriftway</del> Disposa		
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico	OFFI	CE PHONE. (505) 326-2822
SITE ADDRESS	Hami	ond Ditch Road	, SITE	РНОМЕ (505) 632-3363
- ESTIMATED QUANTITY	UNITS	WASTE DESCRIPT	10N	<u> </u>
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fu	uel Tanks
60	C.yd.	1	Near Fuel Tank	
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil	. Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 I	nches Below Slu	udge In Eastern Sludge Pit
		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTACT X	
below. I certify that		-	AUTHORIZED	CRAIG SCOLA
below. I certify that t knowledge.	the foregoing is tr	ue and correct to the best of my	AUTHORIZED CONEACE X _	CRAIG SCOLA
below. I certify that i knowledge. PART II: TO E	the foregoing is tr	DATE:	TYPE OF PRINT	CRAIG SCOLA
below. I certify that t knowledge.	BE COMPLE	DATE: TED BY CARRIER/DRIV S CX TA UAT is	ER	CRAIG SCOLA
PART II: TO E CARRIER NAME BUSINESS ADDRI	BE COMPLE	DATE: TED BY CARRIER/DRIV 5 CL TA UAT	ER	
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO.	BE COMPLE MOJ E ESS OP 34 - 69 C erials in the quant	DATE: TED BY CARRIER/DRIV 5 CL TA UAT . C 7 7	AUTHORIZED COREACE X _ TYPE OR PRINT ABOVE NAME: ER DV MGAD V SIGNATURE OF AUTHORIZED	
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. 3 I certify that the mat	BE COMPLE MOJ E ESS OP 34 - 69 C erials in the quant	DATE: TED BY CARRIER/DRIV 5 CL TA UAT . C 7 7	AUTHORIZED COREACE X	
below. I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mat by me for shipment	the foregoing is tr BE COMPLE MOJ = ESS O P 34 - 64C erials in the quant to the above desi	DATE: TED BY CARRIER/DRIV <u>5</u> <u>CX</u> <u>TA</u> <u>UAT</u> , <u>5</u> <u>7</u> ity described above are received lination. <u>5</u> <u>6</u> <u>6</u> <u>6</u> <u>6</u> <u>6</u>	AUTHORIZED CONEACE X	
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below. I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. 3 I certify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE MOJ = BS OP 34 - 64C erials in the quant to the above desired BE COMPL Morris N	DATE: TED BY CARRIER/DRIV S $C_X$ $TA$ $UAT$ $C_2$ $O$ $B_{OX}$ $343$ 7 ity described above are received tination. DATE: DATE: ETED BY RECEIVER Young	AUTHORIZED CONEACE X	
below. I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. PHONE NO. PART III: TO RECEIVERS NAME PHONE NO.	the foregoing is tr BE COMPLE MOJ = BE COMPLE BE COMPL Morris Y	DATE: TED BY CARRIER/DRIV S $C_X$ $TA$ $UAT$ $C_2$ $O$ $B_{OX}$ $343$ 7 ity described above are received tination. DATE: DATE: ETED BY RECEIVER Young	AUTHORIZED COREACE X _ TYPE OR PRINT ABOVE NAME: ER DM Mand M SIGNATURE OF AUTHORIZED AGENT X TYPE OR PRINT ABOVE NAME:	sla lin 874.5 Anto Bate hon Cut SB W. Son
below. I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS DIS MOSA4 \$	the foregoing is tr BE COMPLE $M \supset J \subseteq$ ESS OP 34 - 64C erials in the quant to the above desi OBE COMPL Morris Y (505) 326-2 Thriftway ITS ACAOS	DATE: TED BY CARRIER/DRIV S CX TA UAT . C DATE: TO BOX 343 7 ity described above are received tination. DATE: ETED BY RECEIVER Young 2822  POEITIET V/Hammand Di	AUTHORIZED COREACE X _ TYPE OR PRINT ABOVE NAME: ER DM Mand M SIGNATURE OF AUTHORIZED AGENT X TYPE OR PRINT ABOVE NAME:	sla l. m &74.5 Anter B AU hom Cut. SB W. S.n
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below. I certify that is knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS DISUOSAL S RECEIVER'S COM	the foregoing is tr BE COMPLE MoJ 5 ESS OP 34 - 64 C erials in the quant to the above dest 0 BE COMPL Morris Y (505) 326-2 Thriftway MENTS	DATE: TED BY CARRIER/DRIV S CX TA UAT . C DATE: TO BOX 343 7 ity described above are received tination. DATE: ETED BY RECEIVER Young 2822  POEITIET V/Hammand Di	AUTHORIZED COTEACE X _ TYPE OR PRINT ABOVE NAME: ER DM MGAQ MGAQ MGAQ SIGNATURE OF AUTHORIZED AGENT X TYPE OR PRINT ABOVE NAME: 4 COTEACE X _ SIGNATURE OF AUTHORIZED AGENT X TYPE OR PRINT ABOVE NAME: COTEACE X _ SIGNATURE OF AUTHORIZED COTEACE X _ SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED COTEACE X _ SIGNATURE OF AUTHORIZED COTEACE X _ SIGNATURE OF AUTHORIZED COTEACE X _ SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AGENT X AGENT X SIGNATURE OF AUTHORIZED AGENT X SIGNATURE OF AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORIZED AUTHORI	sla l. m &74.5 Anter B AU hom Cut. SB W. S.n

ART I: TO B	E COMPLE	TED BY SHIPPER/GENERATOR
OMPANY NAME	Mave	rik Country Stores, Inc.
USINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
DDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
	TACT Terry	y Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
	Envirot	mil ech <del>/Thriftway</del> Disposal Site
		eld, New Mexico OFFICE PHONE (505)326-2822
		mond Ditch Road SITE PHONE (505) 632-3363
SITE ADDRESS		
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site l Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
elow. I certify that		e consigned to the Carrier named SIGNATURE OF true and correct to the best of my Contact X
below, I certify that mowledge,	the foregoing is	true and correct to the best of my     AUTHORIZED       Contact     X       DATE:     TYPE OR PRINT       ABOVE NAME:     CRAIG
pelow. I certify that mowledge. PART II: TO E	the foregoing is BE COMPLE	true and correct to the best of my     AUTHORIZED       DATE:     TYPE OR PRINT       DATE:     ROVE NAME:
PART II: TO E	the foregoing is $BE COMPLE$	AUTHORIZED CONTEACT X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR	the foregoing is $BE COMPLE \\ M.055 \\ ESS P.C$	AUTHORIZED COTEACE X DATE:
PART II: TO E CARTII: TO E CARRIER NAME BUSINESS ADDR CHONE NO.	the foregoing is the foregoing is $BE COMPLE \\ MOSS \\ ESS PC \\ 34-69 \\ erials in the quarter of the second$	AUTHORIZED CONTEACT X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR CHONE NO.	the foregoing is the foregoing is $BE COMPLE \\ MOSS \\ ESS PC \\ 34-69 \\ erials in the quarter of the second$	AUTHORIZED CONTEACT X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is the foregoing is $BE COMPLE Moss$ ESS $P_{c}C$ 34-66 for a second secon	AUTHORIZED CONTEACE X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment	the foregoing is the foregoing is the foregoing is the BE COMPLE $Mos \leq 34-66$ for a second	AUTHORIZED CONTEACT     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       ETED BY CARRIER/DRIVER     CRAIG SCOLA       S CX P DVATion     VISTA     N. m 57115       Dox     3 43     Hong-VISTA     N. m 57115       67     NUTHORIZED AGENT     X     Muthorized AGENT       DATE:     SQP. 90     TYPE OR PRINT ABOVE NAME:     CIT.3 D       DATE:     SQP. 90     TYPE OR PRINT ABOVE NAME:     CIT.3 D       DATE:     SQP. 90     TYPE OR PRINT ABOVE NAME:     CIT.3 D
PART II: TO E CARRIER NAME BUSINESS ADDR CHONE NO.	the foregoing is the foregoing is the foregoing is the BE COMPLE $Mos \leq 34-66$ for a second	AUTHORIZED CONTEact     X       DATE:     TYPE OR PRINT     CRAIG SCOLA       ETED BY CARRIER/DRIVER     BOVE NAME:     CRAIG SCOLA       S CLAVATION     CRAIG SCOLA       D Dox     3 43     Hong VISTA       D Dox     3 43     Hong VISTA       D Dox     3 43     Hong VISTA       CONTROL     SIGNATURE OF AUTHORIZED AGENT     MUTHORIZED AGENT       DATE:     SQR 40     TYPE OR PRINT       DATE:     SQR 40     TYPE OR PRINT       DATE:     SQR 40     TYPE OR PRINT       PLETED BY RECEIVER     TYPE OR PRINT     CMT 3 A
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is the foregoing is the foregoing is the BE COMPLE $\underline{M}$ and \underline{M} and $\underline{M}$ and \underline{M} and $\underline{M}$ and $\underline{M}$ and \underline{M} and $\underline{M}$ and $\underline{M}$ and \underline{M} and $\underline{M}$ and \underline{M} and $\underline{M}$ and \underline{M} and $\underline{M}$ and \underline{M} and \underline{M} and \underline{M} and $\underline{M}$ and \underline{M} and $\underline{M}$ and	AUTHORIZED     X       DATE:     TYPE OR PRINT     CRAIG SCOLA       ABOVE NAME:     CRAIG SCOLA       ETED BY CARRIER/DRIVER       S excaption       D box     3 43       Jox     Jox       Jox     3 43       Jox     Jox       Jox
PART II: TO E CARRIER NAME BUSINESS ADDR CHONE NO. Certify that the mat and for shipment PART III: TO RECEIVERS NAME	the foregoing is BE COMPLE Post ESS $Pcost34-66erials in the quarterto the above deBE COMPMorris(505) 326-Thriftune Friftune$	AUTHORIZED CONTEact     X       DATE:     TYPE OR PRINT     CRAIG SCOLA       ETED BY CARRIER/DRIVER     BOVE NAME:     CRAIG SCOLA       S CLAVATION     CRAIG SCOLA       D Dox     3 43     Hong VISTA       D Dox     3 43     Hong VISTA       D Dox     3 43     Hong VISTA       CONTROL     SIGNATURE OF AUTHORIZED AGENT     MUTHORIZED AGENT       DATE:     SQR 40     TYPE OR PRINT       DATE:     SQR 40     TYPE OR PRINT       DATE:     SQR 40     TYPE OR PRINT       PLETED BY RECEIVER     TYPE OR PRINT     CMT 3 A
PART II: TO E CARRIER NAME RUSINESS ADDR PHONE NO. Certify that the mat ay me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS	the foregoing is BE COMPLE MOSS ESS PC 34-69 erials in the quar to the above de BE COMP Morris (505) 326- Thriftung MENTS	Introduction       AUTHORIZED CONTEact       X         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       CRAIG SCOLA         S CX PDVAtion       SCOLA         D Box       3 43         J Box       J Box         J J Box       J Box         J J Box       J Box         J J Box       J Box         J J Box       J Box         J J Box       J Box         J J Box       J Box         J J Box       J Box
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment PART III: TO NECTIVERS NAME PHONE NO. SITE ADDRESS SITE ACKOR RECEIVER'S COM	the foregoing is BE COMPLE MOSS ESS PC 34-69 erials in the quar to the above de BE COMP Morris (505) 326- Thriftung MENTS	true and correct to the best of my       AUTHORIZED         DATE:       TYPE OR PRINT         DATE:       RECENT COREACE         CATE:       TYPE OR PRINT         ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       CRAIG SCOLA         Strend Correct to the best of my       ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       CRAIG SCOLA         Strend Correct to the best of my       ABOVE NAME:       CRAIG SCOLA         DATE:       Strend To Market       Market       CATA BUT SCOLA         DATE:       Strend To Market       Strend To Market       CATA BUT SCOLA         DATE:       Strend To Market       Strend To Market       CATA BUT SCOLA         DATE:       Strend To Market       CATA BUT SCOLA       Strend To Market         DATE:       Strend To Market       CATA BUT SCOLA       Strend To Market         DATE:       Strend To Market       CATA SCOLA       Strend To Market         DATE:       Strend To Market       CATA SCOLA       Strend To Market         DATE:       Strend To Market       CATA SCOLA       Strend To Market         DATE:       Strend To Market       Strend To Market       Strend To Market         CASE       Strend To Market

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EARLE FOR	E COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Mayer	ik Country Stores, Inc.
RUSINESS ADDRE	<u>ss</u> P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIF	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	HACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
	, <u></u>	
RECEIVER'S NAM	E Envirote	mil ech/ <del>Thriftway</del> Disposal Site
BUSINESS ADDRE	ESS Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
V		
below. I certify that		consigned to the Carrier named rue and correct to the best of my DATE- BATE- SIGNATURE OF COT Eact X TYPE OR PRINT COR BAIG SCOLA
below, I certify that knowledge.	the foregoing is t	rue and correct to the best of my .AUTHORIZED CONEACE X
below, I certify that knowledge. PART II: TO f	the foregoing is t	AUTHORIZED COTEACE X DATE:
below, I certify that knowledge.	the foregoing is the foregoing is the foregoing is the BE COMPLE $h_0 25$	The and correct to the best of my     AUTHORIZED       Conteact     X       DATE:
below. I certify that knowledge. PART II: TO F CARRIER NAME	the foregoing is the foregoing is the foregoing is the BE COMPLE $h_0 25$	AUTHORIZED COTEACE X DATE:
below. I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat	the foregoing is the foregoing is the foregoing is the BE COMPLE $MO 25$ ESS $O 0$ 34-69 terials in the quant	AUTHORIZED COTEACE X DATE:
below, I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the mat	the foregoing is the foregoing is the foregoing is the BE COMPLE $MO 25$ ESS $O 0$ 34-69 terials in the quant	AUTHORIZED COTEACE X DATE:
below, I certify that knowledge. PART II: TO F CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment	the foregoing is the foregoing is the foregoing is the BE COMPLE $MO 2S$ ESS $O O$ 34-69 the relation the quantities in the quantities in the quantities of the above destined by the foregoing of the foregoin	AUTHORIZED       DATE:     TYPE OR PRINT       ABOVE NAME:     CRAIG SCOLA       DATE:     Signature of AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AGENT       DATE:     Signature of AUTIORIZED AUTIORIZE
below, I certify that knowledge. PART II: TO F CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment	the foregoing is the foregoing is the foregoing is the BE COMPLE $M_0 2S$ ESS $0$ $34-69$ terials in the quantito the above des	AUTHORIZED       DATE:     TYPE OR PRINT       ABOVE NAME:     CRAIG SCOLA       DATE:     Signature of AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AUTIORIZED AGENT       DATE:     Signature of AUTIORIZED AUTIORIZE
below. I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is the foregoing is the foregoing is the BE COMPLE $M_0 2S$ ESS $0$ $34-69$ terials in the quantito the above des	AUTHORIZED CONTEACT     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       TED BY CARRIER/DRIVER     CRAIG SCOLA       ON POX 343 Flore     N.M. 87415       67     SIGNATURE OF AUTHORIZED AGENT     M.M. 87415       67     SIGNATURE OF AUTHORIZED AGENT     M.M. 87415       67     TYPE OR PRINT ABOVE NAME:     M.M. 87415       1000000000000000000000000000000000000
below, I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	the foregoing is the foregoing is the foregoing is the BE COMPLE MO SS ESS $O$ 34-69 terials in the quantito the above designed D BE COMPLE Morris 1 (505) 326-	AUTHORIZED CONTEact     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       DATE:     YPE OR PRINT ABOVE NAME:     CRAIG SCOLA       ETED BY CARRIER/DRIVER     QUATON     CRAIG SCOLA       POX 343 Flond UISTA     V.M. 87415       67     AUTHORIZED AGENT     X       1010000000000000000000000000000000000
below, I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR BUSINESS ADDR PHONE NO. PART III: TO RECEIVERS NAME PHONE NO.	the foregoing is the foregoing is the foregoing is the BE COMPLE MO SS ESS $O$ 34-69 terials in the quantite to the above dess O BE COMPLE Morris $O$ (505) 326-1 Thriftwo $SS HW 44$	AUTHORIZED X DATE:
below. I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment PART III: TC RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS	the foregoing is the foregoing is the foregoing is the BE COMPLE MO 35 ESS 34-69 terials in the quant to the above des D BE COMPLE Morris (505) 326- Thriftwa MENTS	AUTHORIZED CONTEact     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       DATE:     YPE OR PRINT ABOVE NAME:     CRAIG SCOLA       ETED BY CARRIER/DRIVER     QUATON     CRAIG SCOLA       POX 343 Flond UISTA     V.M. 87415       67     AUTHORIZED AGENT     X       1010000000000000000000000000000000000

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No II

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		INDUSTRIAL WAST	E DISPOSAL I	MANIFEST
PART I: TO BE	E COMPLET	TED BY SHIPPER/GENEI	RATOR	
COMPANY NAME	Maver	ik Country Stores, In		
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyomi	ng 83110-0457	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Ki	rtland, NM	
AUTHORIZED CONT	TACT Terry	Vandell, Dames & Moo	emergi	ENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	<b>سرز</b> ech <del>/Thriftway_</del> Disposa	l Site	
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFIC	E PHONE (505) 326-2822
SITE ADDRESS		nond Ditch Road		HONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPT		
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fu	el Tanks
60	C.yd.		Near Fuel Tank	<u> </u>
60	C.yd.	Site 3 Sludge/Soil		Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	nches Below Slu	dge In Eastern Sludge Pit
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTACT X _	
		DATE:	ABOVE NAME:	CRAIG SCOLA
CARRIER NAME	BE COMPLE	ETED BY CARRIER/DRIVI		
BUSINESS ADDR	ESS DO	Box 343 M	OR VISIA	Nmg741
PHONE NO. 3	34-696-	7		$\bigcirc$ $\bigcirc$ $\bigcirc$ $\land$ $\land$ $\land$
Certify that the mate by me for shipment		tity described above are received stination.	SIGNATURE OF AUTHORIZED AGENT X	Unto Willos
		DATE:	) TYPE OR PRINT ABOVE NAME:	Con , S & W, (Son
PART III: TO		LETED BY RECEIVER		
RECEIVERS NAME				
PHONE NO.	(505) 326	2822		
SITE ADDRESS		y Refinery/Hammond Di		field, ME EWVIROTECH SOIL DYS POSAL

I certify that the materials in the quantity described in Part I are received by me.

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SIGNATURE OF		
AUTHORIZED		muc
AGENT	х	irac

TYPE OR PRINT ABOVE NAME:

hald. Earon MICHAEL T. EASON

DATE: 8-29-90

			Nº BO LS
		INDUSTRIAL WASTE	E DISPOSAL MANIFEST
PARTI: TOB	ECOMPLE	LED BY SHIPPER/GENER	ATOR
COMPARY NAME	Mayer	ik Country Stores, Inc	
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyomir	ig 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	MACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	E Envirote	ech/ <del>Therfrey</del> Disposal	Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SHE ADDRESS	Hamn	nond Ditch Road	SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTIC	N · ·
40	C.yd.	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
10 ·			
below, I certify that knowledge.	the foregoing is t	DATE:	SIGNATURE OF AUTHORIZED Conteact X TYPE OR FRINT ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	
CARRIER NAME	MOSS	es (Austion	
SUCINESS ADDR	0 c	2 30.2	A VA Mm STUL
FROMENO 3	34-69	67	
		ity described above are received tination.	SIGNATURE OF UNTY BUNDAD
		BATE: 8-29-90	ABOVE NAME: CIN ,S B, W, SON
PARE HE TO	BE COMPL	ETED BY RECEIVER	
DECOMPARE DAME	Morris	ioung	
LHOID HO.	(305) 326-	2822	
SUF ADDRESS SITE ACROS RECEIVER'S COM		EEM HILLFOR THRIFT	Ch. Road /Ricomfield, NMENULAOTECH SOIL DISPOSAL WAY
Ecertify that the n received by me	naterials in the c	quantity described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X Michael J. Caun
		DATE 8-29-50	ADOVE NAME: MICHAEL T. GASON

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#### INDUSTRIAL WASTE DISPOSAL MANIFEST PART I: TO BE COMPLETED BY SHIPPER/GENERATOR COMPANY NAME Maverik Country Stores, Inc. P.O. Box 457, Afton, Wyoming 83110-0457 **BUSINESS ADDRESS** U.S. Highway 550, Kirtland, NM ADDRESS OF SHIPMENT ORIGIN EMERGENCY PHONE (801) 521-9255 AUTHORIZED CONTACT Terry Vandell, Dames & Moore mit Envirotech/Thriftway Disposal Site **RECEIVER'S NAME** BUSINESS ADDRESS Bloomfield, New Mexico (505) 326-2822 OFFICE PHONE. Hammond Ditch Road (505) 632-3363 SITE ADDRESS SITE PHONE ESTIMATED QUANTITY UNITS WASTE DESCRIPTION Site 1 Sludge/Soil Near Diesel Fuel Tanks 40 C.yd. 60 C.yd. Site 2 Sludge/Soil Near Fuel Tank 60 Sludge/Soil From Crude Oil Tank (Drums too) C.yd. Site 3 200 Soil. >/4 Inches Below Sludge In Eastern Sludge Pit C.yd. The materials described above were consigned to the Carrier named SIGNATURE OF AUTHORIZED below. I certify that the foregoing is true and correct to the best of my Contact X knowledge. CRAIG SCOLA TYPE OR PRINT DATE: ABOVE NAME: PART II: TO BE COMPLETED BY CARRIER/DRIVER CARRIER NAME MOSS & MUATION BUSINESS ADDRESS ROBIN 23 57419 1/m 101/

AUTHORIZED by me for shipment to the above destination. AGENT 8-29-90 TYPE OR PRINT l DATE ABOVE NAME: PART III: TO BE COMPLETED BY RECEIVER Morris Young RECEIVERS NAME (505) 326-2822 PHONE NO. やえし Hammond Bitch Road /Bloomfield, NM ENHROTECH SOIL DISPOSAL Thriftway Refinery SITE ADDRESS SITE ACHOSS HW44 FROM HILL TOP THRIFTWAY **RECEIVER'S COMMENTS** I certily that the materials in the quantity described in Part I are SIGNATURE OF mic AUTHORIZED received by me. AGENT

DATE: 8-29-50

334-606

I certify that the materials in the quantity described above are received

PHONE NO.

TYPE OR PRINT

SIGNATURE OF

NICHAEC T. EASON

No

	E COMPLE	TED BY SHIPPER/GENER	ATOR
COMPANY NAME	Maver	ik Country Stores, Inc	• •
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyomin	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirot	ech/Thriften Disposal	Site
BUSINESS ÁDDRE	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822
	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTIC	IN CONTRACTOR
40	C.yd.	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil 1	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Ind	ches Below Sludge In Eastern Sludge Pit
			·
knowledge. )	ne foregoing is t	The and correct to the best of my DATE: $3 - 29 - 90$	Conteact X
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	R
PART II: TO E	1		-
	An	1 + 1	-
CARRIER NAME	An	16 GR 54	-
CARRIER NAME BUSINESS ADDRI PHONE NO.	ESS $\frac{1}{32}$	16 CR 54 3441	-
CARRIER NAME BUSINESS ADDRI PHONE NO.	ESS $\frac{1}{32}$	16 CR 54 3441	ZO SIGNATURE OF AUTHORIZED AGENT X <u>A Dymon</u> Alanda
CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mate by me for shipment	ESS $\rightarrow$ erials in the quanto the above des	$\frac{6}{6}$ $\frac{6}{5}$ $\frac{7}{4}$	ZO SIGNATURE OF AUTHORIZED AGENT X <u>A oymon Olicanda</u> TYPE OR PRINT
CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mate by me for shipment	ESS $\rightarrow$ erials in the quant to the above des	<u>A Truck</u> <u>6 C R 5 4</u> <u>3 4 4 /</u> <u>3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</u>	ZO SIGNATURE OF AUTHORIZED AGENT X <u>A oymon Olicanda</u> TYPE OR PRINT
CARRIER NAME BUSINESS ADDAI PHONE NO. I certify that the mate by me for shipment PART III: TO RECEIVERS NAME	ESS $\rightarrow$ erials in the quant to the above des	$\frac{2}{6} \frac{4}{5} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{1}{7} ZO SIGNATURE OF AUTHORIZED AGENT X <u>A oymon Olicanda</u> TYPE OR PRINT	
CARRIER NAME BUSINESS ADDA PHONE NO. Icertify that the math by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	ESS J4 erials in the quant to the above des BE COMPI Morris (505) 326-	$\frac{2}{6} \frac{4}{5} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{1}{7} ZO SIGNATURE OF AUTHORIZED AGENT X <u>A cymron</u> <u>Allanda</u> TYPE OR PRINT ABOVE NAME:	
CARRIER NAME BUSINESS ADDAI PHONE NO. I certify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	ESS J4 erials in the quant to the above des BE COMPI Morris (505) 326- Thriftwa CROSS -	$\frac{2}{6} \frac{4}{5} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{4}{7} \frac{1}{7} ZO SIGNATURE OF AUTHORIZED AGENT X <u>A Dymon</u> <u>Acceded</u> TYPE OR PRINT ABOVE NAME: <u>ABOVE NAME:</u> <u>Ch-Road /Bloomfield, NM</u> ENVIROTECH Soin DISI	
CARRIER NAME BUSINESS ADDAI PHONE NO. I certify that the mate by me for shipment PART 111: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS	ESS J4 and a second se	B=10 truch C R 54 344/ 344/ DATE: S-29-9/ LETED BY RECEIVER Young 2822 y=ReEinery/Hommond-Diterty	ZO SIGNATURE OF AUTHORIZED AGENT X <u>A Dymon J andred</u> TYPE OR PRINT ABOVE NAME: <u>ABOVE NAME:</u> <u>ch-Road-/Bloomfield, NM ENVIROTECH SOIL DISO</u>

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PART I: TO B	E COMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O.	Box 457, Λfton, Wyoming 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCYPHONE (801) 521-9255
RECEIVER'S NAME	 Envirote	m 22. ech <del>/Thriftway</del> Disposal Site
BUSINESS ADDRES		eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS	· · · · · · · · · · · · · · · · · · ·	nond Ditch Road
ESTIMATED		
	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Néar Diësel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
below. I certify that t		consigned to the Carrier named SIGNATURE OF AUTHORIZED CONTECT to the best of my CONTERCT X
below, t cértify thát t knowledge,	the foregoing is tr	DATE: 8-29-90 TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
below. I cértify thát t knowledge. PART II: TO B	the foregoing is tr BE COMPLE	AUTHORIZED       AUTHORIZED       COTEACE     X       DATE:     X     Q       DATE:     X       DATE:     X
below. I cértify thát t knowledge. PART II: TO B CARRIER NAME	the foregoing is tr BE COMPLE	AUTHORIZED COTTEACT X DATE: <u>8-29-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER Turkeny
below. I cértify thát t knowledge. PART II: TO B CARRIER NAME	the foregoing is tr BE COMPLE	AUTHORIZED       AUTHORIZED       COTEACE     X       DATE:     X     Q       DATE:     X       DATE:     X
below. I cértify that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE	the foregoing is tr BE COMPLE	AUTHORIZED COTEACT X DATE: 8-29-90 TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER Turkeny Rd 5420 Farmington 7441
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO.	the foregoing is tr BE COMPLE Currence ESS <del>7 - 16</del> - 3 2 - <i>3</i> erials in the quant	AUTHORIZED COTEACT X DATE: 8-29-90 TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA SCO
below. I cérility that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO.	the foregoing is tr BE COMPLE Currence ESS <del>7 - 16</del> - 3 2 - <i>3</i> erials in the quant	AUTHORIZED COTEACT X DATE: 8-29-90 TYPE OR PRINT ABOVE NAME: CRAIG SCOLA TED BY CARRIER/DRIVER Truckeny Rd 5420 Farmington 7441 ity described above are received SIGNATURE OF AUTHORIZED
below. I cértify that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE BUSINESS ADDRE PHONE NO. I certify that the mate by me for shipment i	the foregoing is tr BE COMPLE $Cuandle ESS \frac{4}{7} / 4\frac{3}{2} - \frac{7}{7}erials in the quantto the above dest$	AUTHORIZED X DATE: <u>8-29-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TTED BY CARRIER/DRIVER <i>CRAIG SCOLA</i> <i>Rd 5420 Faimingten</i> <i>Rd 5420 Faimingten</i> <i>Rd 5420 Faimingten</i> <i>X</i> <i>Lity described above are received</i> <i>Lination.</i> <i>SIGNATURE OF</i> <i>AUTHORIZED</i> <i>AGENT</i> X
below. I cértility that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE BUSINESS ADDRE PHONE NO. I certility that the mate by me for shipment i	the foregoing is tr BE COMPLE $Cuandle ESS \frac{4}{7} / 4\frac{3}{2} - \frac{7}{7}erials in the quantto the above destBE COMPLMorris N$	AUTHORIZED       AUTHORIZED       X         DATE: $\overrightarrow{8} - 29 - 90$ TYPE OR PRINT <b>CRAIG SCOLA</b> TED BY CARRIER/DRIVER $\overrightarrow{Rd}$ S420       Fairway         Rd 5420       Fairway $\overrightarrow{Rd}$ Yee or print $\overrightarrow{Rd}$ S420 $\overrightarrow{Fairway}$ Rd 5420       Fairway $\overrightarrow{Rd}$ AUTHORIZED       SIGNATURE OF $\overrightarrow{AUTHORIZED}$ AGENT       X $\overrightarrow{ABOVE NAME:}$ DATE: $\overrightarrow{S} - 29 - 90$ TYPE OR PRINT         ABOVE NAME: $\overrightarrow{ABOVE NAME:}$ $\overrightarrow{ABOVE NAME:}$
below, I cérility that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE BUSINESS ADDRE PHONE NO. I ceritify that the mate by me for shipment to PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE $Cuandle ESS \frac{4}{7} / 4\frac{3}{2} - \frac{7}{7}erials in the quantto the above destBE COMPLMorris N$	AUTHORIZED       AUTHORIZED       X         DATE: $\overline{\mathcal{X}} - 29 - 90$ TYPE OR PRINT <b>CRAIG SCOLA</b> TED BY CARRIER/DRIVER <b>CRAIG SCOLA</b> $\mathcal{K}$ </td
below. I cértility that t knowledge. PART II: TO B CARRIER NAME BUSINESS ÁDDRÉ PHONE NO. I certily that the máte by me for shipment f PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE Current ESS #-16 3 2 - 3 erials in the quant to the above dest BE COMPL Morris W (505) 326-2 <del>Chriftway</del>	AUTHORIZED       AUTHORIZED       X         DATE: $\overline{\mathcal{X}} - 29 - 90$ TYPE OR PRINT <b>CRAIG SCOLA</b> TED BY CARRIER/DRIVER <b>CRAIG SCOLA</b> $\mathcal{K}$ </td
below. I cértify that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment i PART III: TO RECEIVERS NAME PHONE NO.	BE COMPLE Morris Y (505) 326-2 HW HY FR	AUTHORIZED       CONTEACT       X         AUTHORIZED         DATE: $\overline{S-29-90}$ TYPE OR PRINT         CRAIG SCOLA         AUTHORIZED         CRAIG SCOLA         DATE: $\overline{S-29-90}$ TYPE OR PRINT         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CONTRACT         CRAIG SCOLA         CRAIG SCOLA         CRAIG SCOLA         CRAICE SCOLA         CRAICE SCOLA         CRAINT         CRAINT         AUTHORIZED         AUTHORIZED         AUTHORIZED         AUTHORIZED         ABOVE NAME:         LETED BY RECEIVER         Coung
Delow, I cértily that t knowledge. PART II: TO B CARRIER NAME BUSINESS ÁDDRE PHONE NO. I certily that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE MCLOSS RECEIVER'S COMM	BE COMPLE Morris Y (505) 326-2 HW HY FC	The and correct to the best of my       CONTEaCT       X         DATE: $\overline{X} - 29 - 90$ TYPE OR PRINT       CRAIG SCOLA         TTOTED BY CARRIER/DRIVER       CRAIG SCOLA         Totulariy       Rd 5400       Fairmanytan         Rd 5400       Fairmanytan       Reference         Thydescribed above are received lination.       Signature of Authomized Acent X       Signature of Authomized X         DATE: $S - 29 - 90$ Type OR PRINT ABOVE NAME:       Signature of Authomized X         DATE: $S - 29 - 90$ Type OR PRINT ABOVE NAME:       Signature of Authomized X         DATE: $S - 29 - 90$ Type OR PRINT ABOVE NAME:       Signature of Authomized Acent Above NAME:         ETED BY RECEIVER       Signature of Above NAME:       Signature of Above NAME:       Signature of Above NAME:         ETED BY RECEIVER       Signature of Above NAME:       Signature of Above NAME:       Signature of Above NAME:         ETED BY RECEIVER       Signature of Above NAME:       Signature of Above NAME:       Signature of Above NAME:         ETED BY RECEIVER       Signature of Above NAME:       Signature of Above NAME:       Signature of Above NAME:         ETED BY RECEIVER       Signature of Above NAME:       Signature of Above NAME:       Signature of Above NAME:         ETED BY Receive
Delow, I cérility that t knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE BUSINESS ADDRE PHONE NO. I certify that the mate by me for shipment to certify that the mate by me for shipment to pART III: TO RECEIVER'S NAME CHONE NO.	BE COMPLE Morris Y (505) 326-2 HW HY FC	The and correct to the best of my       CONTEaCT       X         DATE: $\overline{X} - 29 - 90$ TYPE OR PRINT       CRAIG SCOLA         TTULKEN       CRAIG SCOLA         TTULKEN       CRAIG SCOLA         Ref 5420       Fairwaytan         7441

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COMPANY NAME	Maver	ik Country Stores, Inc	• • •
BUSINESS ADDRE		Box 457, Afton, Wyomin	
ADDRÉSS OF SHIP		U.S. Highway 550, Kir	tland, NM
		······	*****
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
<u>.</u>		mal ech/Thriftway Disposal	
RECEIVER'S NAME			
BUSINESS ADDRE		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	nond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTIO	A
40	C.yd.		ear Diesel Fuel Tanks)
60	C.yd.	Site 2 Sludge/Soil N	
60	C.yd.		From Crude Oil Tank (Drums too)
			······································
200	C.yd.	Site 4 Soil, >/4 Inc	<u>ches Below Sludge In Eastern Sludge Pit</u>
<u> </u>			· · · · · · · · · · · · · · · · · · ·
below. I certify that		consigned to the Carrier named rue and correct to the best of my DATE: $8-29 - 90$	SIGNATURE OF AUTHORIZED COTLEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
below. I certify that knowledge. PART II: TO E	thé fóregoing is t	rué and correct to the best of my	AUTHORIZED COTLEACT X TYPE OR PRINT CRAIG SCOLA
below, I certify that knowledge.	the foregoing is t BE COMPLE	rue and correct to the best of my DATE: $8 - 29 - 90$	AUTHORIZED COTLEACT X TYPE OR PRINT CRAIG SCOLA
below. I certify that knowledge. PART II: TO E CARRIER NÁME BUSINESS ADDRI	thé foregoing is t BE COMPLE <i>Aras</i> ESS #	The and correct to the best of my DATE: $8-29-90$ ETED BY CARRIER/DRIVER The truck 6 CR 5H 7	AUTHORIZED COTLEACT X TYPE OR PRINT CRAIG SCOLA
below, I certify that knowledge, PART II: TO E CARRIER NÁME BUSINESS ADDRI PHONE NO.	thé foregoing is t BÉ COMPLE ESS # 2.3.2 - èrtais in the quan	rué and correct to the best of my DATE: $8-29-90$ ETED BY CARRIER/DRIVER CAR 547 -3441 (itý déšcřiběd above are réceived	AUTHORIZED COTLEACT X TYPE OR PRINT CRAIG SCOLA
below, I certify that knowledge, PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	thé foregoing is t BÉ COMPLE ESS # 2.3.2 - èrtais in the quan	The and correct to the best of my DATE: 8-29-90 $ETED BY CARRIER/DRIVER DATE: 8-29-90 DATE: 8-29-90 DATE: 8-29-90 DATE: 8-29-90 DATE: 8-29-90 DATE: 8-29-90 DATE: 8-29-90$	AUTHORIZED COTLEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA CRAIG SCOLA CRAIG SCOLA SIGNATURE OF AUTHORIZED AGENT X CEMMON AUTHORIZED AGENT X CEMMON AUTHORIZED
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COMPANY NĂME			/ Stores, I	
BUSINESS ADDRE		-		ing 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. High	way 550, K	irtland, NM
AUTHORIZED CON	HACT Terry	Vandell,	Dames & Mo	ORE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	E Envirote	m2¢ ech <del>/Thrift</del>	way Disposa	al Site
BUSINESS ADDRE	ess Bloomfie	eld, New M	exico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	nond Ditch	Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	Ŵ	ASTE DESCRIPT	TION
40	Ċ.yd.	Site 1	Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	Site 2	Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3	Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4	Soil, >/4 I	Inches Below Sludge In Eastern Sludge Pit
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ART I: TO BI	E COMPLE	TED BY SHIPPER/GENERATOR	
OMPANY NAME	Maver	rik Country Stores, Inc.	
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM	
AUTHORIZED CON	TACT TERRY	y Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255	
RECEIVER'S NAME	Envirot	ech <del>/Thriftuny</del> Disposal Site	
	······································	eld, New Mexico OFFICE PHONE. (505)326-2822	
SITE ADDRESS		mond Ditch RoadSITE PHONE (505) 632-3363	
OUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks	<u></u>
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank	
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inches-Below Sludge In Eastern Sludge Pi	E)
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	BE COMPLE	TED BY SHIPPER/GENERATOR
	Maver	rik Country Stores, Inc.
IUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ODRESS OF SHIF	PMENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	MACT Terry	y Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	E Envirote	ech <del>/Thriftway</del> Disposal Site
BUSINESS ADDRE	ESS Bloomfi	eld, New Mexico OFFICE PHONE. (505)326-2822
		mond Ditch Road SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
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PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS	the foregoing is t BE COMPLE Areas Tess 7 Complete (505) 326- Thriftwo S HW 44 MENTS	AUTHORIZED X DATE: <u>8-28-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> ETED BY CARRIER/DRIVER <i>ABOVE NAME:</i> <u>CRAIG SCOLA</u> ETED BY CARRIER/DRIVER <i>ABOVE NAME:</i> <u>CRAIG SCOLA</u> <i>ABOVE NAME:</i>

PART I: TO B	E COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIF	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	MACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	E Envirote	ech <del>/Thriftway</del> Disposal Site
BUSINESS ADDRE	ESS Bloomfie	eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS		nond Ditch Road
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit)
	<u> </u>	DATE: <u>8-28-90</u> TYPE OR PRINT <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER
CARRIER NAME		
BUSINESS ADDR	ESS #	16 GR 5470
PHONE NO.	<u> </u>	3441
by me for shipment		ity described above are received SIGNATURE OF AUTHORIZED AGENT X Augm on Authorized
		TYPE OR PRINT           ABOVE NAME:
PART III: TO	BE COMPL	
PART III: TO	Morrie N	DATE: ABOVE NAME:ABOVE NAME:
RECEIVERS NAM	Morrie N	DATE:ABOVE NAME:ABOVE NAME:
RECEIVERS NAMI PHONE NO.	Morris Y	DATE:ABOVE NAME:ABOVE NAME:
RECEIVERS NAMI PHONE NO. SITE ADDRESS	Morris ) (505) 326- <del>Thriftua</del> <b>S WW 44</b>	DATE:ABOVE NAME:ABOVE NAME:
RECEIVERS NAMI PHONE NO. SITE ADDRESS	Morris ) (505) 326- <del>Thriftua</del> <b>S WW 44</b>	DATE:ABOVE NAME: ETED BY RECEIVER Young 2822 <u>M&amp;C</u> <u>y=Refinery/Hammond-Ditch_Road_/Bloomfield; MM</u> & WIRDTECH Soil Disfor
RECEIVERS NAMI PHONE NO. SITE ADDRESS SITE ACRO RECEIVER'S COM	Morris ) (505) 326-2 <del>Thriftus</del> <b>55 WW 44 A</b> MENTS	DATE:ABOVE NAME: ETED BY RECEIVER Young 2822 <u>M&amp;C</u> <u>y=Refinery/Hammond-Ditch_Road_/Bloomfield; MM</u> & WIRDTECH Soil Disfor
RECEIVERS NAMI PHONE NO. SITE ADDRESS SITE ACROU RECEIVER'S COM	Morris ) (505) 326- <del>Thriftus</del> <b>55 WW 44 A</b> MENTS	DATE:

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INDUSTRIAL WASTE DISPOSAL MANIFEST

	ECOMPLET	ED BY SHIPPER/GENERA	AIOR
COMPANY NAME	Mayer	ik Country Stores, Inc.	······································
BUSINESS ADDRES	ss P.O. I	Box 457, Afton, Wyoming	8 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	Lland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	<b>Mil</b> ch <del>/Thriftwa</del> y Disposal	Site
BUSINESS ADDRE	<sub>SS</sub> Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326~2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTION	١
40	C.yd.	Site 1 Sludge/Soil N	ear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil N	ear Fuel Tank
60	C.yd.	Site 3 Sludge/Soil F	rom Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
knowledge.	ine foregoing is in	ue and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
knowledge.	BE COMPLE	DATE: TED BY CARRIER/DRIVER C. C TRucking	AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
knowledge. PART II: TO E CARRIER NAME	BECOMPLE Aten	DATE: TED BY CARRIER/DRIVER c. U Ruckinc	AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
knowledge. PART II: TO E CARRIER NAME	BECOMPLE Aten	DATE: TED BY CARRIER/DRIVER C. C TRucking	AUTHORIZED CONTEACT X TYPE OR PRINT <u>CRAIG SCOLA</u>
REART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE Aten ESS 1464 327 erials In the quanti	DATE: TED BY CARRIER/DRIVER C. C TRucking I Gullady - K 3787 ty described above are received	AUTHORIZED CONTEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA
REART 11: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE Aten ESS 1464 327 erials In the quanti	DATE: TED BY CARRIER/DRIVER C. C TRucking I Gullady - K 3787 ty described above are received	AUTHORIZED CONTEACT X TYPE OR PRINT CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA SIGNATURE OF CLA SIGNATURE OF CLA
knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE $A + e_n$ ESS 14.04 327 erials in the quantito to the above dest	DATE: TED BY CARRIER/DRIVER C. C TRuckinc 1 Gu II-4- K 3787 ty described above are received ination. St 1G G()	AUTHORIZED CONTEACT X TYPE OR PRINT CRAIG SCOLA ABOVE NAME: CRAIG SCOLA 2 2 2 2 3 SIGNATURE OF AUTHORIZED AGENT X URGE AUTHORIZED TYPE OR PRINT (1) ( G g , the Atom ())
knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	BE COMPLE Aten ESS 1404 327 erials in the quantition to the above dest BE COMPL Morris Y	DATE: TED BY CARRIER/DRIVER C. C TRuckinc I Guilley K 3787 ty described above are received ination. DATE: <u>S-2990</u> ETED BY RECEIVER	AUTHORIZED CONTEACT X TYPE OR PRINT CRAIG SCOLA ABOVE NAME: CRAIG SCOLA 2 2 2 2 3 SIGNATURE OF AUTHORIZED AGENT X URGE AUTHORIZED TYPE OR PRINT (1) ( G g , the Atom ())
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PART I: TO B	E COMPLET	ED BY SHIPPER/GEI	NERATOR
COMPANY NAME	Maver	<u>ik Country Stores,</u>	Inc.
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wy	oming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550,	Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & 1	Moore EMERGENCY PHONE (801) 521-9255
	- Enviroto	m2C	
RECEIVER'S NAME		ch <del>/Thriftway</del> Dispo	
BUSINESS ADDRE	·····	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
-ESTIMATED- QUANTITY	UNITS	WASTE DESCR	RIPTION
40	C.yd.	Site 1 Sludge/So	oil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Sc	oil Near Fuel Tank
60	C.yd.	Site 3 Sludge/So	oil From Crude Oil Tank (Drums too)
200	C.yd. (	Site 4 Soil, >/4	Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named rue and correct to the best of m	y Authonized Contact X
below. I certify that knowledge.	the foregoing is tr	-	y     Authorized Contact     x       TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA
below. I certify that knowledge.	the foregoing is tr BE COMPLE	DATE:	AUTHORIZED CONTACT X
below. I certify that knowledge. PART II: TO E CARRIER NAME	the foregoing is tr BE COMPLE Afence	DATE: TED BY CARRIER/DF	AUTHORIZED CONTACT X
below. I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR	the foregoing is tr BE COMPLE A fence ESS 140	DATE: TED BY CARRIER/DF 210 Rucking 4 GU/14Jye	AUTHORIZED CONTACT X
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is tr BE COMPLE A + enceESS / L = 6 $3 = 27 = 3rerials in the quant$	DATE: TED BY CARRIER/DF 210 Rucking 4 GU/14/92 7 87 ity described above are receive	AUTHORIZED X 
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below. I certify that knowledge. PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment	the foregoing is tr BE COMPLE A + end ESS $146$ 327 3 rerials in the quant to the above des D BE COMPL Morris D	DATE: TED BY CARRIER/DF TED BY CARRIER/DF 4 $G$ $H$ $L$ $L$ $f$ $g4$ $G$ $H$ $L$ $f$ $g4$ $G$ $H$ $L$ $f$ $g$ $g7$ $g$ $7ity described above are receivetination.DATE: 9 - 29 - 9ETED BY RECEIVER$	AUTHORIZED COREACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA RIVER ADVER ADVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA CORESCOLA ABOVE NAME: CRAIG SCOLA CORESCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG ABOVE NAME: CRAIG ABOVE NAME: CRAIG ABOVE NAME: CRAI
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below. I certify that knowledge.         PART II: TO E         CARRIER NAME         BUSINESS ADDR         PHONE NO.         I certify that the mather of the shipment         PART III: TO         PART III: TO         PHONE NO.         I certify that the mather of the shipment         PHONE NO.         PHONE NO.         SITE ADDRESS	the foregoing is tr BE COMPLE A + ence ESS / L/ O $3 27 3registerials in the quantto the above desBE COMPLEMorris N(505) 326-2Enciftwar 3 Hw 44$	DATE: TED BY CARRIER/DF TED BY CARRIER/DF DATE: G $Hucking G HIrdge J g -J g -Leted BY RECEIVERYoung2822g-Refinery/Hammond$	AUTHORIZED COREACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA RIVER ADVER ADVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA CORESCOLA ABOVE NAME: CRAIG SCOLA CORESCOLA ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG ABOVE NAME: CRAIG ABOVE NAME: CRAIG ABOVE NAME: CRAI
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. I certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS \$17 F AC ROS	the foregoing is tr BE COMPLE A + ence ESS / L/ O $3 27 3registerials in the quantto the above desBE COMPLEMorris N(505) 326-2Enciftwar 3 Hw 44$	DATE: TED BY CARRIER/DF TED BY CARRIER/DF 4 $G$ $H$ $H$ $G$ $H$ $H$ $G$ $H$ $H$ $G$ $H$ $H$ $H$ $G$ $H$ $H$ $H$ $G$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$	AUTHORIZED X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA RIVER P Pd FAAm d SIGNATURE OF AUTHORIZED AGENT X Cleane Allow 20 TYPE OR PRINT 20 TYPE OR PRINT Ditch-Road / Bloomfield, NM ENHILO TECH SOIL DISA
below. I certify that knowledge.         PART II: TO E         CARRIER NAME         BUSINESS ADDR         PHONE NO.         Icertify that the mat         by me for shipment         PHONE NO.         Icertify that the mat         by me for shipment         PHONE NO.         Icertify that the mat         by me for shipment         PHONE NO.         SITE ADDRESS         SITE ADDRESS         RECEIVER'S COM	the foregoing is tr BE COMPLE A 4 end ESS 140 3 2 7 3 erials in the quant to the above des D BE COMPL Morris M (505) 326-2 Ehriftwa S HW 44 A MENTS	DATE: TED BY CARRIER/DF TED BY CARRIER/DF 4 $G$ $H$ $H$ $G$ $H$ $H$ $G$ $H$ $H$ $G$ $H$ $H$ $H$ $G$ $H$ $H$ $H$ $G$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$ $H$	y <u>AUTHORIZED</u> X 

#### INDUSTRIAL WASTE DISPOSAL MANIFEST PART I: TO BE COMPLETED BY SHIPPER/GENERATOR COMPANY NAME Maverik Country Stores, Inc. P.O. Box 457, Afton, Wyoming 83110-0457 BUSINESS ADDRESS U.S. Highway 550, Kirtland, NM ADDRESS OF SHIPMENT ORIGIN EMERGENCY PHONE (801) 521-9255 AUTHORIZED CONTACT Terry Vandell, Dames & Moore MRE Envirotech/ tway Disposal Site RECEIVER'S NAME BUSINESS ADDRESS Bloomfield, New Mexico OFFICE PHONE. (505) 326-2822 Hammond Ditch Road (505) 632-3363 SITE ADDRESS SITE PHONE ESTIMATED QUANTITY UNITS WASTE DESCRIPTION Sludge/Soil Near Diesel Fuel Tanks 40 C.yd. Site 1 60 C.yd. Site 2 Sludge/Soil Near Fuel Tank 60 C.yd. Site 3 Sludge/Soil From Crude Oil Tank (Drums too) 200 C.yd. Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit The materials described above were consigned to the Carrier named SIGNATURE OF AUTHORIZED below. I certify that the foregoing is true and correct to the best of my Contact knowledge. TYPE OR PRINT CRAIG SCOLA DATE: ABOVE NAME: PART II: TO BE COMPLETED BY CARRIER/DRIVER Ò Vicilin G CARRIER NAME **BUSINESS ADDRESS** PHONE NO. fcertify that the materials in the quantity described above are received SIGNATURE OF by me for shipment to the above destination. AUTHORIZED AGENT DATE: \$-29 90 TYPE OR PRINT ABOVE NAME: PART III: TO BE COMPLETED BY RECEIVER Morris Young **RECEIVERS NAME** (505) 326-2822 PHONE NO. m21 -Road - / Bloomfield, - NA ENVIROTECH SOIL DIS ADJAC Thriftway Po SITE ADDRESS SITE ACROSS HW 44 EROM HELLTOP THRIFTWAY **RECEIVER'S COMMENTS** I certify that the materials in the quantity described in Part I are SIGNATURE OF , michael J. Sam received by me. AUTHORIZED AGENT DATE: 8-29-90 TYPE OR PRINT MICHAEL T. EASON ABOVE NAME

		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO [	BE COMPLE	TED BY SHIPPER/GENERATOR
COMPANY NAME	Maveı	cik Country Stores, Inc.
BUSINESS ADDR	ESS P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHI	PMENT ORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CO	NTACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAM	e Envirot	ech <del>/Thriftuay</del> Disposal Site
BUSINESS ADDR	ESS Bloomfi	eld, New Mexico OFFICE PHONE (505)326-2822
SITE ADDRESS		mond Ditch RoadSITE PHONE (505) 632-3363
ESTIMATED		
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
below. I certify that knowledge.	t the foregoing is t	Inversion and correct to the best of my     AUTHORIZED       Contact     X       DATE:     TYPE OR PRINT       ABOVE NAME:     CRAIG SCOLA
PART II: TO	$\Delta i$	eted by CARRIER/DRIVER
BUSINESS ADDF	2)	Gelledge Rd Forking
PHONE NO. Icertify that the ma by me for shipmen	•	) 28) Itity described above are received SIGNATURE OF AUTHORIZED AGENT X ULMAS AUTHORIZED
		DATE: 829 90 TYPE OF PRINT VICENTE ALESSIC
PART III: TO	D BE COMP	LETED BY RECEIVER
PART III: TO	Morrie	
	Morrie	Young
RECEIVERS NAM PHONE NO. SITE ADDRESS	(505) 326- <del>Thriftwa</del> ACROSS Hu	Young 2822 y Refinery/Hammond Ditch Road /Bloomfield, NMENVIROTECH Soil OISA
RECEIVERS NAM PHONE NO. SITE ADDRESS SITE A RECEIVER'S CON	Morris (505) 326- <del>Thriftwa</del> ACROSS HWAMENTS	Young 2822 y Refinery/Hammond Ditch Road /Bloomfield, NMENVIROTECH SOIL OISA

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PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENER/	ATOR	
COMPANY NAME	Maver	ik Country Stores, Inc	<del>1</del>	
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyomin	g 83110-0457	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM	
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255	
and the second se				
RECEIVER'S NAME	Envirote	m2 <b>C</b> ch <del>/Thriftway</del> Disposal	Site	
BUSINESS ADDRES	ss Bloomfie	ld, New Mexico	OFFICE PHONE (505) 326-2822	
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363	
ESTIMATED	····	n a state and a state of the st		
QUANTITY	UNITS	WASTE DESCRIPTIO		· · ·
40	C.yd,	74	lear Diesel Fuel Tanks	
60	C.yd.	Site 2 Sludge/Soil N		
60	C.yd.	Site 3 Sludge/Soil F	From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inc	thes Below Sludge In Eastern Sludge Pit	>
		50-2 11 - 2 1		
		consigned to the Carrier named	SIGNATURE OF AUTHORIZED	121 T -
knowledge.	and a start of the start of the start of the start of the start of the start of the start of the start of the s		Contact X	
		DATE:	ABOVE NAME: CRAIG SCOLA	
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER	3	
CARRIER NAME	Ahen	elo TRuckins		
BUSINESS ADDRE	the second second second second second second second second second second second second second second second s	4 Gulledge	Q2 FARm	
PHONE NO.	327	-3287	· · · · · · · · · · · · · · · · · · ·	
I certify that the mate by me for shipment (	erials in the quanti	ty described above are received	SIGNATURE OF AUTHORIZED - X Jerce alerce	2
		DATE: 8-29-30	BOVE NAME: UICENTO Atom	se
PART III: TO	BE COMPL	ETED BY RECEIVER		
RECEIVERS NAME	Morris Y	oung		
PHONE NO.	(505) 326-2	2822		
SITE ADDRESS	Thriftway	-Refinery/Hammond Dito	ch_Road /Bloomfield, Mt ENVIROTECH SU	IL DISPOSA
SITE ACK		FROM HILL TOP THA	IETNHY	
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchar J. Euro TYPE OR PRINT ABOVE NAME: MICHAEL T. EASO	
		DATE: 5-29-90	ABOVE NAME: MICHAGL T. CARO	J
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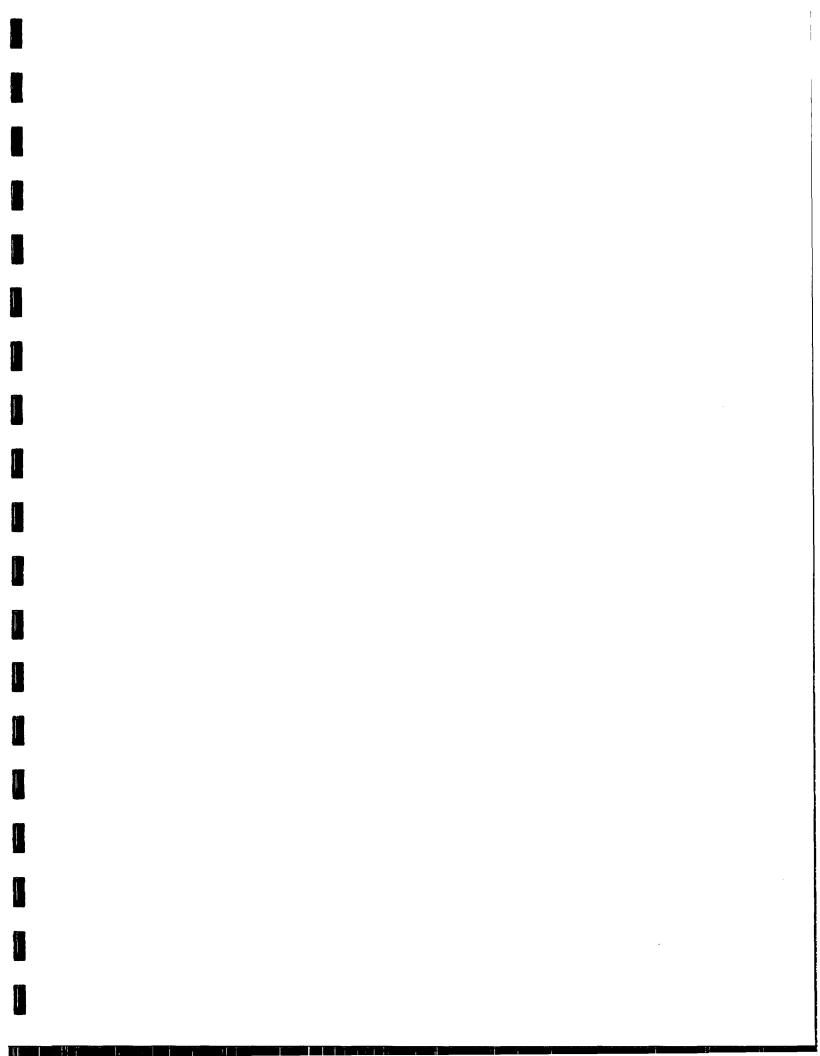
		INDRA LUIVE ANAS (1	- Hislase mannes			
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENER	ATOR			
	COMPANY NAME Maverik Country Stores, Inc.					
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyomir	ng 83110-0457			
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM			
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255			
		mzc				
RECEIVER'S NAME	· <del>· · · · · · · · · · · · · · · · · · </del>	ch/Thriftway Disposal				
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822			
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363			
ESTIMATED						
QUANTITY 40	UNITS	WASTE DESCRIPTIO				
60	C.yd. C.yd.		Near Diesel Fuel Tanks Near Fuel Tank			
60	C.yd.		From Crude Oil Tank (Drums too)			
	0.yu.					
200	C.yd.	<u>Site 4 Soil, &gt;/4 In</u> Site 5	ches Below Sludge In Eastern Sludge Pit			
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
		consigned to the Carrier named up and correct to the best of my	SIGNATURE OF AUTHORIZED COntact X			
		DATE:	ABOVE NAME: CRAIG SCOLA			
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVE	R			
CARRIER NAME	Ater	icid TRuckin	<u> </u>			
BUSINESS ADDRE	ESS 140	y Gulletine	Ry FARM			
PHONE NO.	327 -	-3757				
I certify that the mate by me for shipment	erials in the quant	ity described above are received	SIGNATURE OF AUTHORIZED - Venue Olicica			
•••••••		DATE: 8-29 90	ABOVE NAME: Diconte Atereio			
PART III: TO	BE COMPL	ETED BY RECEIVER				
RECEIVERS NAME	Morris Y	oung				
PHONE NO.	(505) 326-2					
SITE ADDRESS	Thriftway	-Refinery/Hammond Dit	ch Road /Bloomfield, IM ENVINO75CH SOIL DISPOSAL			
SITE ACRO. RECEIVER'S COM		HOM HILL TON THRIF	ТШМУ			
I certify that the m received by me.	naterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchan J. Com			
		DATE: 8-29-90	ABOVE NAME: MICHAGE T, EASON			
		•				

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PART I: TO B	E COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	Maver	ik Country Stores, Inc.
BUSINESS ADDRES	ss P.O. I	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	rac ech/ <del>Thriftway</del> -Disposal Site
BUSINESS ADDRE	<u>ss</u> Bloomfie	eld, New Mexico OFFICE PHONE. (505)326-2822
SITE ADDRESS	Hamm	aond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED	~	
QUANTITY	UNITS	WASTE DESCRIPTION
40	C,yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks)
60	C.yd,	Site 2 Sludge/Soll Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named we and correct to the best of my Conteact X
below. I certify that t		ue and correct to the best of my AUTHORIZED
below. I certify that t knowledge.	the foregoing is tr	TYPE OR PRINT
below. I certify that t knowledge.	the foregoing is tr 3E COMPLE	DATE:
below. I certify that i knowledge. PART II: TO E	the foregoing is tr BE COMPLE	DATE:     TYPE OR PRINT     CRAIG     SCOLA       DATE:     MUTHORIZED     X
below. I certify that i knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI	the foregoing is tr BE COMPLE	AUTHORIZED CONTRACT to the best of my DATE:
below. I certify that i knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO.	the foregoing is tr BE COMPLE <u>A RA</u> ESS <u>H</u> ( 6-3 erials in the quant	AUTHORIZED CONTRACT to the best of my DATE:
below. I certify that the knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mate	the foregoing is tr BE COMPLE <u>A RA</u> ESS <u>H</u> ( 6-3 erials in the quant	AUTHORIZED X DATE:
below. I certify that i knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI BUSINESS ADDRI PHONE NO. I certify that the math by me for shipment	the foregoing is tr BE COMPLE ARA ESS # ( 6-3 erials in the quant to the above dest	AUTHORIZED       DATE:
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment	the foregoing is tr BE COMPLE ARE ESS <u>H</u> ( 6 3 erials in the quant to the above dest BE COMPL	AUTHORIZED     AUTHORIZED       DATE:
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE <u>ARA</u> ESS <u>H</u> ( 6-3 erials in the quant to the above dest 0 BE COMPL Morris Y	Date:     TYPE OR PRINT     CRAIG     Scol A       DATE:     TYPE OR PRINT     CRAIG     Scol A       ABOVE NAME:     Signature of AITHORIZED - AGENT     Signature of AITHORIZED - AGENT       AGENT     X     Durate Brown       DATE:     MOVE NAME:     Durate Brown       LETED BY RECEIVER     Koung     Scol PRINT
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the math by me for shipment PART III: TO RECEIVERS NAME	the foregoing is tr 3E COMPLE ARA ESS # ( 6-3 erials in the quant to the above dest 0 BE COMPL Morris Y (505) 326-2	AUTHORIZED X 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the math by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	the foregoing is tr BE COMPLE ARA ESS # ( 6-3 erials in the quant to the above dest 0 BE COMPL Morris Y (505) 326-2 Thriftway	AUTHORIZED X DATE:
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PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS S 172 ACROSS RECEIVER'S COM	the foregoing is tr BE COMPLE ARA ESS ± ( 6-3 erials in the quant to the above dest 0 BE COMPL Morris Y (505) 326-2 Thriftway MENTS	AUTHORIZED X DATE:

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#### INDUSTRIAL WASTE DISPOSAL MANIFEST PART I: TO BE COMPLETED BY SHIPPER/GENERATOR COMPANY NAME Mayerik Country Stores, Inc. P.O. Box 457, Afton, Wyoming 83110-0457 **BUSINESS ADDRESS** U.S. Highway 550, Kirtland, NM ADDRESS OF SHIPMENT ORIGIN EMERGENCY PHONE (801) 521-9255 AUTHORIZED CONTACT Terry Vandell, Dames & Moore ALC RECEIVER'S NAME Envirotech/Therean Disposal Site BUSINESS ADDRESS Bloomfield, New Mexico OFFICE PHONE. (505) 326-2822

بسر آ ESTIMATED QUANTITY UNITS WASTE DESCRIPTION 40 C.yd, Site 1 Sludge/Soil Near Diesel Fuel Tanks 60 C.yd. Site 2 Sludge/Soil Near Fuel Tank 60 C.yd. Site 3 Sludge/Soil From Crude Oil Tank (Drums too)) 200 C.yd. Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit The materials described above were consigned to the Carrier named SIGNATURE OF AUTHORIZED below. I certify that the foregoing is true and correct to the best of my Contact knowledge.

Hammond Ditch Road

SITE ADDRESS

DATE:	TYPE OR PRINT ABOVE NAME:	CRAIG SCOLA
PART II: TO BE COMPLETED BY CARRIER/DRIVER	7	· · · · ·
CARRIER NAME ARANDA TRucking		
BUSINESS ADDRESS # 16 CR 5470 FARMIN	glin	
PHONE NO. 632-3441	J	
I certify that the materials in the quantity described above are received by me for shipment to the above destination.	SIGNATURE OF AUTHORIZED AGENT X	Datum Brown
DATE:	TYPE OR PRINT ABOVE NAME:	•
PART III: TO BE COMPLETED BY RECEIVER		
RECEIVERS NAME Morris Young		
PHONE NO. (505) 326-2822		
SITE ADDRESS Thriftway Refinery/Hammond Died SITE ACEOSS HW44 PROM HILLTOP THRIFT RECEIVER'S COMMENTS	The Boad /Blue 2014 y	MENVIROTECH SOIL DISOPSA
I certily that the materials in the quantity described in Part I are received by me.		michael 2 En
DATE: 8-30-20	TYPE OR PRINT	MICHAEL T. EASON

(505) 632-3363

SITE PHONE

COMPANY MAKE	E COMPLET	ED BY SHIPPER/GENERA	TOR	
COMPANY NAME	Mayeri	ik Country Stores, Inc.		
BUSINESS ADDRES	ss P.O. I	Box 457, Afton, Wyoming	; 83110-0457	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	land, NM	
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-	9255
		mze		
RECEIVER'S NAME	- 1A 1	ch/Theiftery Disposal		
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822	
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-336	3
ESTIMATED	A address of the designed of the design of t	(a) and the Outling states of the States		Hannin da Hannin da
QUANTITY	UNITS	WASTE DESCRIPTION		
40	C.yd.		ear Diesel Fuel Tanks	
60	C,yd,	Site 2 Sludge/Soil N		
60	C.yd. (	Site 3 Sludge/Soil F	rom Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludg	<u>e Pit</u>
and an and a second second second second second second second second second second second second second second			· · · · · · · · · · · · · · · · · · ·	
			· · · · · · · · · · · · · · · · · · ·	an isteachtikai
below. I certify that		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTEACT X	* 9 * * * * * * * * *
knowledge.			TYPE OR PRINT C. D. A.C. SCOL	A
		TED BY CARRIER/DRIVER		
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CARRIER NAME		A Trucking		
0110111000 4000	ESS #//.			
		CR 5470 FAR	ning tow	
			ning tow	
PHONE NO. Icertify that the mat	<u>637</u> terials in the quanti	344/	SIGNATURE OF AUTHORIZED AGENT X DURAGE BIRDZ	-m
PHONE NO.	<u>637</u> terials in the quanti	344/ Ity described above are received ination.	SIGNATURE OF AUTHORIZED - AGENT X - DUDAYNE BYOL TYPE OR PRINT	-sr)
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PHONE NO. Icertify that the mat by me for shipment PART III; TO	632 terials in the quanti to the above dest BE COMPL	344/ Ity described above are received ination. DATE: ETED BY RECEIVER	SIGNATURE OF AUTHORIZED - AGENT X - DUDAYNE BYOL TYPE OR PRINT	-m
PHONE NO. Icertify that the mat by me for shipment PART III; TO RECEIVERS NAME	Ce37 terials in the quanti to the above dest b BE COMPL E Morris Y	344/ Ity described above are received ination. DATE:	SIGNATURE OF AUTHORIZED - AGENT X - DUDAYNE BYOL TYPE OR PRINT	-sn)
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COMPANY NAME	Maver	k Country	Stores, Inc.	<u> </u>		
USINESS ADDRES	ss P.O. I	lox 457, Af	g 83110-0457	······································		
DDRESS OF SHIP	MENTORIGIN	U.S. Highw	ay 550, Kirt	tland, NM		
UTHORIZED CON	TACT Terry	Vandell, I	ames & Moore	e emergen	CY PHONE (801) 521-9255	
RECEIVER'S NAME	Envirote	n2₹ ch <del>∕Thri£ta</del>	<del>ay</del> Disposal	Site		
BUSINESS ADDRE	<u>ss</u> Bloomfie	ld, New Me	xico	OFFICE F	PHONE (505) 326-2822	
SITE ADDRESS	Hamm	ond Ditch	Road	SITE PHO		
ESTIMATED QUANTITY	UNITS	WAS	STE DESCRIPTIO	N N		
40	C.yd,	Site 1 S	ludge/Soil N	ear Diesel Fuel	Tanks	
60	C.yd,	Site 2 S	ludge/Soil N	ear Fuel Tank		
60	C.yd. (	Site 3 S	ludge/Soil F	rom Crude 011 T	ank (Drums too)	
200	C.yd.	Site 4 S	oil, >/4 Inc	hes Below Sludg	e In Eastern Sludge Pit	
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below. I certify that I				SIGNATURE OF AUTHORIZED CONTEACT X		
pelow. I certify that I				AUTHORIZED	CRAIG SCOLA	
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pelow I certify that the terms of terms of the terms of t	BE COMPLE	DATE: TED BY CAF	RIER/DRIVEF		CRAIG SCOLA	
pelow. I certify that the the second	BE COMPLE	DATE: TED BY CAF	the best of my		CRAIG SCOLA	
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PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is tr BE COMPLE ARAN d ESS $\neq 10$ $(_2 3 7 = 3$ erials in the quant	DATE: TED BY CAF TZL QR _ 5 QQ _ 5 Y described abov	The best of my REER/DRIVER	AUTHORIZED CONERCT X TYPE OR PRINT ABOVE NAME: R Manny Low SIGNATURE OF AUTHORIZED		
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BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	= Envirote	mie ech <del>/Thriftway.</del> Disposal Site
		eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS		nond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED	A Contraction of the Contraction	
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks)
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
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		consigned to the Carrier named SIGNATURE OF ue and correct to the best of my AUTHORIZED
below I certify that the the the the the the the the the th	the foregoing is t	The and correct to the best of my AUTHORIZED CONTACT X
below I certify that the the the the the the the the the th	the foregoing is the foregoing is the foregoing is the second sec	AUTHORIZED     AUTHORIZED       COREACE     X       DATE:     X       STED BY CARRIER/DRIVER
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below. I certify that i knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO.	the foregoing is the BE COMPLE	AUTHORIZED CONTEACE X DATE: <u>8-30-90</u> TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> TED BY CARRIER/DRIVER Contacting Conteact X CRAIG SCOLA CONTEACT X CRAIG SCOLA CONTECT X CONTEACT X CONTECT
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PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is the foregoing is the foregoing is the BE COMPLE	AUTHORIZED CONTEACT X         AUTHORIZED CONTEACT X         DATE: $S - 30 - 90$ YPE OR PRINT       CRAIG SCOLA         TED BY CARRIER/DRIVER         Conteact x         CRAIG SCOLA         TED BY CARRIER/DRIVER         Conteact x         CRAIG SCOLA         CONTEACT X         CRAIG SCOLA         TED BY CARRIER/DRIVER         Gen da fue fue fue fue fue fue fue fue fue fue
below. I certify that i knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI BUSINESS ADDRI PHONE NO. I certify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is to BE COMPLE BE COMPLE ESS Control of the quan- to the above des D BE COMPLE Morris (505) 326-	Authonized Conteact       X         DATE: $\underline{X} - \underline{30} - \underline{90}$ TYPE OR PRINT ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       Image: Standard St
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	the foregoing is the foregoing is the foregoing is the BE COMPLE ESS 77 1 6 3 2 1 10 the above des 0 BE COMPLE Morris 1 (505) 326- Thriftwa - 743, 44 for	AUTHORIZED CONTEACT X         AUTHORIZED CONTEACT X         DATE: $S - 30 - 90$ YPE OR PRINT       CRAIG SCOLA         TED BY CARRIER/DRIVER         Conteact x         CRAIG SCOLA         TED BY CARRIER/DRIVER         Conteact x         CRAIG SCOLA         CONTEACT X         CRAIG SCOLA         TED BY CARRIER/DRIVER         Gen da fue fue fue fue fue fue fue fue fue fue
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO, Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE_ADDRESS	the foregoing is the foregoing is the foregoing is the BE COMPLE ESS 77 1 6 3 2 1 10 the above des 0 BE COMPLE Morris 1 (505) 326- Thriftwa - 743, 44 for	Authonized Conteact       X         DATE: $\underline{X} - \underline{30} - \underline{90}$ TYPE OR PRINT ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       Image: Standard St
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS CLE COM	the foregoing is the foregoing is the foregoing is the BE COMPLE ESS	Authonized Conteact       X         DATE: $\underline{X} - \underline{30} - \underline{90}$ TYPE OR PRINT ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       ABOVE NAME:       CRAIG       SCOLA         TED BY CARRIER/DRIVER       Image: Standard St

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PART I: TO BE	E COMPLET	ED BY SHIPPER/GENER	ATOR
COMPANY NAME	Mayer	k Country Stores, Inc	•
BUSINESS ADDRES	s P.O. 1	Box 457, Afton, Wyomin	ig 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CONT	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	meg ch/ <del>Thriftuay</del> Disposal	Site
BUSINESS ADDRE	<sub>ss</sub> Bloomfie	ld, New Mexico	OFFICE PHONE (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIC	na sajan sa na sa sa sa sa sa sa sa sa sa sa sa sa sa
(40	C.yd.		Near Diesel Fuel Tanks>
60	C.yd.		Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.		ches Below Sludge In Eastern Sludge Pit
The metodole descri	bod abova wara a	ansiened to the Cossiene and	Post
below. I certify that t knowledge.	bed above were ( he foregoing is tri	onsigned to the Carrier named ie and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
		DATE: 8-30-9	O TYPE OR PRINT CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVE	R
CARRIER NAME	Arm	da teaching	
BUSINESS ADDRE			
PHONE NO.	A	2441	
	erials in the quanti	ty described above are received	SIGNATURE OF AUTHORIZED, AGENT X Raymon Ollingho
		DATE: 8-30-9	
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
PHONE NO.	(505) 326-2	822	
SITE ADDRESS	Thriftway	-Refinery/Hammond Dit	ch Road /Bloomfield, MM En instech and duron
site acro	in Hy 44 f	rom Hillop Thip	tway.
RECEIVER'S COMM	MENIS	i de la companya de l	
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchael J. Grom
		DATE: 8-30-70	TYPE OR PRINT MICHAEL T. EASON
			ABOVE NAME:

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		INDUSTRIAL WASLED	NSPOSAL MANIFEST			
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERAT	R			
COMPANY NAME Mayerik Country Stores, Inc.						
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	83110-0457			
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtl	and, NM			
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255			
l		met				
RECEIVER'S NAME	Envirote	ch/Thriftway Disposal Si	te			
BUSINESS ADDRES	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822			
SITE ADDRESS Hammond Ditch Road SITE PHONE (505) 632-3363						
QUANTITY	UNITS	WASTE DESCRIPTION				
40	C.yd.		r Diesel Fuel Tanks			
60	C.yd,	Site 2 Sludge/Soil Nea				
60	C.yd.	SILE 3 Sludge/Soil Fro	m Crude Oil Tank (Drums too)			
200	C.yd.	Site 4 Soil, >/4 Inche	s Below Sludge In Eastern Sludge Pit			
The materials describelow. I certify that the knowledge.	bed above were one foregoing is tr	consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED ONEACT X			
		DATE: 8-30-90	TYPE OR PRINT CRAIG SCOLA			
PART II: TO B	ECOMPLE	TED BY CARRIER/DRIVER				
CARRIER NAME	Avor	de toucking				
BUSINESS ADDRE	iss #/	6 CR 5470				
PHONE NO.	632 -	3441	· · · · · · · · · · · · · · · · · · ·			
l certify that the mate by me for shipment t		ty described above are received ination.	SIGNATURE OF AUTHORIZED , X & Auguston & Chandle			
		DATE: 8-30-90	TYPE OR PRINT ABOVE NAME:			
PART III: TO	BE COMPL	ETED BY RECEIVER				
RECEIVERS NAME	Morris Y	oung				
PHONE NO.	505) 326-2					
SITE ADDRESS		MRE -Refinery/Hammond Ditch	Road /Bloomfield, MI Envisatech soil disposal			
RECEIVER'S COMM	$\sigma$	on Hillop Thiftway	,			
+						
I certify that the mi received by me.	aterials in the q	uantity described in Part   are	AGENT X Muchan 2. Caron			
		date: <u>8-30-70</u>	TYPE OR PRINT ABOVE NAME: MICHAEL T. EASON			
		•				

PART I. TO R	E COMPLET	ED BY SHIPPER/GENERA	NTOR
COMPANY NAME		ik Country Stores, Inc.	
BUSINESS ADDRE		Box 457, Afton, Wyoming	
		U.S. Highway 550, Kird	
ADDRESS OF SHIP			
AUTHORIZED CON	TACT TETRY	Vandell, Dames & Moore	E EMERGENCY PHONE (801) 521-9255
		m 22	• •
RECEIVER'S NAME		ch <del>/Thriftway</del> Disposal	
BUSINESS ADDRE	ss Bloomrie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamu	ond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPTIO	
40	22.65	2.444 (Ar 1)	
40 60	C.yd. C.yd.	Site 2 Sludge/Soil N	ear Diesel Fuel Tanks ear Fuel Tank
60	C.yd.		rom Crude Oil Tank (Drums too)
	· · · · · · · · · · · · · · · · · · ·		
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named we and correct to the best of my	SIGNATURE OF AUTHORIZED CONTRACT X
		DATE: 8-30-90	ABOVE NAME:CRAIG SCOLA
PART II: TO E	3E COMPLE	TED BY CARRIER/DRIVER	3
CARRIER NAME	an	da trucking	t
BUSINESS ADDR	ess <u>#/</u>	6 CQ 5470	2
PHONE NO.	632.	7/1///	
		<u>&gt; 4 9 /</u>	
I certify that the mat by me for shipment		lity described above are received	SIGNATURE OF AUTHORIZED AGENT X Reymon Jack
		lity described above are received	AUTHORIZED X X Caymon & Kank
by me for shipment	t to the above des	tity described above are received tination. $(2 - 7 - 6) = 6$	AUTHORIZED X X Caymon flamk
by me for shipment	) BE COMPL	lity described above are received tination. <u>DATE:</u> <u>8-30-90</u> ETED BY RECEIVER	AUTHORIZED X X Caymon & Kank
by me for shipment PART III: TO RECEIVERS NAME	) BE COMPL	lity described above are received tination. DATE: <u>8-30-97</u> -ETED BY RECEIVER Young	AUTHORIZED X X Common fluensk
by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	) BE COMPL BE COMPL Morris Y (505) 326-2	Lity described above are received tination. DATE: <u>8-30-90</u> LETED BY RECEIVER Young 2822	AUTHORIZED X X CAYMEN ON ALLENK
PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS Libo account	) BE COMPL BE COMPL Morris Y (505) 326-2 Thriftway May 44 from	Lity described above are received tination. DATE: <u>8-30-90</u> LETED BY RECEIVER Young 2822	AUTHORIZED X X CONTACT & CALLER K
PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	) BE COMPL BE COMPL Morris Y (505) 326-2 Thriftway May 44 from	tination. <u>DATE:</u> <u>8-30-90</u> ETED BY RECEIVER Young 2822 <del>y-Refinery/Hammond Ditto</del>	AUTHORIZED X <u>Urym con flutursk</u>
PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS CIED ACTOR RECEIVER'S COM	D BE COMPL Morris M (505) 326-2 Thriftway Ments	tination. <u>DATE:</u> <u>8-30-90</u> ETED BY RECEIVER Young 2822 <del>y-Refinery/Hammond Ditto</del>	AUTHORIZED X <u>Cleym con Johnsk</u> TYPE OR PRINT ABOVE NAME:
PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS CIED ACCENT RECEIVER'S COM	D BE COMPL Morris M (505) 326-2 Thriftway Ments	Lity described above are received tination. <u>DATE:</u> <u>S-30-90</u> ETED BY RECEIVER Young 2822 <del>y-Refinery/Hammond Dittony</del> <i>Construction</i> <i>Aulton Thirftway</i> <i>Construction</i>	AUTHORIZED X <u>Cleymcon Johnsk</u> TYPE OR PRINT ABOVE NAME: <u>ABOVE NAME</u> <u>ABOVE NAME</u> <u>ABOVE NAME</u> <u>SIGNATURE OF</u> <u>AUTHORIZED</u> <u>AGENT</u> X <u>Muchael J. Euron</u>
PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS CIED ACTOR RECEIVER'S COM	D BE COMPL Morris M (505) 326-2 Thriftway Ments	Lity described above are received tination. <u>DATE:</u> <u>S-30-90</u> ETED BY RECEIVER Young 2822 <del>y-Refinery/Hammond Dittony</del> <i>Construction</i> <i>Aulton Thirftway</i> <i>Construction</i>	AUTHORIZED X <u>Cleyman on Johnsk</u> TYPE OR PRINT ABOVE NAME: <u>ABOVE NAME</u> <u>ABOVE NAME NAME NAME NAME NAME NAME NAME NAM</u>

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		NDUSI KIAL WASI	E HISPOSAL MAMILEST
PART I: TO BI	E COMPLET	ED BY SHIPPER/GENER	ATOR
COMPANY NAME	Mayeri	k Country Stores, Inc	2
BUSINESS ADDRES	s P.O. B	lox 457, Afton, Wyomin	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kin	rtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	CE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	M2C ch <del>/Thriftway</del> Disposal	Site
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED			
QUANTITY	UNITS	WASTE DESCRIPTI	ON CONTRACTOR OF CONT
40	C.yd.		Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
	C.yd.	site 4 soil, >/4 In Site 5	ches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named are and correct to the best of my	signature of Authorized Contact X
••••••••••••••••••••••••••••••••••••••	·······	DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	R
CARRIER NAME	Hten	eid Ruckin	8
BUSINESS ADDRI	ESS 1400	4 Gylledge	2d F-prom
PHONE NO.	3273	787	
		ty described above are received ination.	AUTHORIZED - X Dence atencio
		DATE: 8-30 90	ABOVE NAME: Dicente Atenaid
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
PHONE NO.	(505) 326-2	822	
SITE ADDRESS	······································		ch_ Road /Bloomfield, NM Proviseteck soid disposed
RECEIVER'S COM		an Hillop thriftway	
I certify that the m received by me.	naterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Mucluu I. Law
		DATE: 8-30-90	ABOVE NAME: MICHAEL TO EATON
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I.

	ł	NDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO BE	COMPLET	ED BY SHIPPER/GENERATOR
COMPANY NAME	<u>Mayeri</u>	k Country Stores, Inc.
BUSINESS ADDRES	<u>s</u> P.O. I	ox 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/ <del>Thriftway-</del> Disposal Site
BUSINESS ADDRES	s Bloomfie	ld, New Mexico OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road SITE PHONE (505) 632-3363
		WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
	0.yu.	
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		Site 5
		signed to the Carrier named signature of Authorized Contact X
· · · · · · · · · · · · · · · · · · ·		DATE: TYPE OR PRINT CRAIG SCOLA
PART II: TO B		TED BY CARRIER/DRIVER
CARRIER NAME	<u>Ate</u>	ceid / Rucking
BUSINESS ADDRE	ss (L(OU	1 Gyllage Rd FARm.
PHONE NO.	327	3787
I certify that the mate by me for shipment		ty described above are received SIGNATURE OF AUTHORIZED - AUTHORIZED - AGENT X Leve Atenner
1		DATE: 8-30-90 TYPE OR PRINT UICENTE Atendio
PART III: TO	BE COMPL	ETED BY RECEIVER
RECEIVERS NAME	Morris Y	oung
PHONE NO.	(505) 326-2	.822
SITE ADDRESS	Thriftway	-Refinery/Hammond Ditch Road /Bloomfield, NM Environtech soil durous
		from Hieltop Thriftway
I certify that the m received by me.	naterials in the q	uantity described in Part 1 are SIGNATURE OF AUTHORIZED AGENT X Muchun 2. Euro
		DATE: 8-30-90 TYPE OR PRINT MICHAEL T. EASON

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PART I: TO BI		法法 竹枝 花子 ちょうほう かいしょう	
		ED BY SHIPPER/GENER	
COMPANY NAME		ik Country Stores, Inc	가 위해 있다. 📲 🔭
BUSINESS ADDRES	ss P.O. 1	Box 457, Afton, Wyomir	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kin	rtland, NM
AUTHORIZED CONT	TACT TELLY	Vandell, Dames & Moor	re EMERGENCY PHONE (801) 521-9255
	1995-1 × 212-1	MZC	
RECEIVER'S NAME	Envirote	ch/ <del>Thriftway</del> Disposal	
BUSINESS ADDRE	<u>ss</u> Bloomfie	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
-ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION	naar een sterre van de sterre sterre gewonder in de sterre sterre sterre de sterre sterre sterre sterre sterre 9N
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd,	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 In	ches Below Sludge In Eastern Sludge Pit
		Site 5	
knowledge.	ilië tõteðöilið iš fl	ne and correct to the best of my	AUTHORIZED
			TYPE OR PRINT ORAC SCOLA
The second second second second second second second second second second second second second second second s	· ·	DATE:	TYPE OR PRINT CRAIG SCOLA
PART II: TO E	A	TED BY CARRIEB/DRIVE	TYPE OR PRINT <u>CRAIG</u> SCOLA
PART II: TO E	A		TYPE OR PRINT <u>CRAIG</u> SCOLA
	ATe.	TED BY CARRIEB/DRIVE accid (Ruch	TYPE OR PRINT ABOVE NAME: CRAIG SCOLA R King
CARRIER NAME	ATe.	TED BY CARRIEB/DRIVE	TYPE OR PRINT ABOVE NAME: CRAIG SCOLA R King R R R
CARRIER NAME BUSINESS ADDRI PHONE NO.	$\frac{R7C}{2273}$	TED BY CARRIEB/DRIVE wcid (Ruch 04 Gulledg 287 lity described above are received	TYPE OR PRINT ABOVE NAME: CRAIG SCOLA R King
CARRIER NAME BUSINESS ADDRI PHONE NO.	$\frac{R7C}{2273}$	TED BY CARRIEB/DRIVE wcid (Ruch 04 Gulledg 287 lity described above are received	TYPE OR PRINT ABOVE NAME: <u>CRAIG SCOLA</u> R KIUS R KIUS R SIGNATURE OF AUTHORIZED AGENT <u>X</u> <u>Vence</u> <del>Clenero</del>
CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mat- by me for shipment	$\frac{A7C}{3273}$ erials in the quant to the above des	TED BY CARRIEB/DRIVE acid (Ruch) 04 Gulledge $797tity described above are receivedtination.8-3090$	TYPE OR PRINT ABOVE NAME: R King R King R SIGNATURE OF AUTHORIZED - X AGENT X TYPE OR PRINT (); a put p ();
CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mat- by me for shipment	A7C ESS $14$ 3273 erials in the quant to the above des BE COMPL Morris	TED BY CARRIEB/DRIVE <i>CCID</i> (Ruch 04 Gulledg 287 tity described above are received tination. <u>DATE:</u> 8-30 90 -ETED BY RECEIVER	TYPE OR PRINT ABOVE NAME: R King R King R SIGNATURE OF AUTHORIZED - X AGENT X TYPE OR PRINT (); a put p ();
CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat- by me for shipment PART III: TO RECEIVERS NAME	A7C ESS $14$ 3273 erials in the quant to the above des BE COMPL Morris	TED BY CARRIEB/DRIVE accid (Ruch 04 Gulled 287 htty described above are received tination. DATE: 8-30 90 ETED BY RECEIVER Young	TYPE OR PRINT ABOVE NAME: R King R King R SIGNATURE OF AUTHORIZED - X AGENT X TYPE OR PRINT (); a put p ();
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CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the math by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS RECEIVER'S COM	ATE ESS / 4 3273 erials in the quant to the above des BE COMPL Morris M (505) 326-2 Thriftway MENTS	TED BY CARRIEB/DRIVE CCID (Puck OG	ROVENAME: <u>CRAIG SCOLA</u> R King R King BIGMATURE OF AUTHORIZED - X <u>Verces</u> <del>Deces</del> AGENT X <u>Verces</u> <del>Deces</del> Chenes <u>Dicente</u> <u>Dtouse</u> Chenes <u>Authorized</u> Chenes
CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat- by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS SITE ADDRESS SITE ADDRESS SITE ADDRESS	ATE ESS / 4 3273 erials in the quant to the above des BE COMPL Morris M (505) 326-2 Thriftway MENTS	TED BY CARRIEB/DRIVE accid (Ruch OG Culled 287 htty described above are received tination. DATE: 8-30 90 ETED BY RECEIVER Young 2822 y-Refinery/Hammond Dit Tom Hillips Thriftens	TYPE OR PRINT ABOVE NAME: CRAIG SCOLA R King R King SIGNATURE OF AUTHORIZED TYPE OR PRINT ABOVE NAME: Ch. Road /Bloomfield, NM Enviroleck soil beigen SIGNATURE OF AUTHORIZED M. A. J. J. K.

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	1	INDUSTRIAL WASTE DISPUSAL MAINTEST	
PART I: TO BE	COMPLET	TED BY SHIPPER/GENERATOR	
COMPANY NAME	Mayer	ik Country Stores, Inc.	
BUSINESS ADDRES	<u>s</u> P.O. I	Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM	
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-925	5
RECEIVER'S NAME	Envirote	m 22 ech <del>/Thriftway</del> Disposal Site	-
BUSINESS ADDRE	<sub>SS</sub> Bloomfie	eld, New Mexico OFFICE PHONE (505)326-2822	·
SITE ADDRESS	Hamm	mond Ditch Road SITE PHONE (505) 632-3363	
ESTIMATED	×		en anderen en en en en en en en en en en en en e
QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd,	Site 1 Sludge/Soil Near Diesel Fuel Tanks	
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank	
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge I	Pit /
••••••••••••••••••••••••••••••••••••••			
		a consigned to the Carrier named signature of Authorized Conteact X	· · · ·
भग्न रहा स्थारण ज <b>म्</b> इत		DATE: TYPE OR PRINT CRAIG SCOLF	7
PART II: TO B		ETED BY CARRIER/DRIVER	
	<b>.............</b>	do TRuching	
BUSINESS ADDRE			
PHONE NO.	3.27	3707	•
-		ntity described above are received SIGNATURE OF AUTHORIZED - AUTHORIZED  ine?	
		DATE: 8-3090 TYPE OR PRINT VICENTE At	encle_
PART III: TO	BE COMPL	LETED BY RECEIVER	<del>,,</del>
RECEIVERS NAME	Morrie V		
PHONE NO.	(505) 326-2	-2822	
SITE ADDRESS	Thriftway	y-Refinery/Hanmond Ditch Road /Bloomfield, NM Envirotesk A	ioil dessocal
RECEIVER'S COM		from Hillop Chriftway	/
		<u>i</u>	
I certily that the m received by me.	aterials in the q	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X Muchael J. Cason	
		DATE: 8-30-90 TYPE OR PRINT MICHAEL T. EASON	

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Name of Street

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			HIMI MARE MINIM EAL
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERA	TOR
COMPANY NAME	Mayer	ik Country Stores, Inc.	
BUSINESS ADDRES	is P.O.	Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	land, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
		······································	
RECEIVER'S NAME	Envirote	mZC ch <del>/Thriftway</del> Disposal (	Site
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
and a second second second second second second second second second second second second second second second			
QUANTITY	UNITS	WASTE DESCRIPTION	ningenerie in die staar die de de de gegegenerie van die die de de de de de de de de de de de de de
40	C.yd.	Site 1 Sludge/Soil N	ear Diesel Fuel Tanks
60	C.yd,	Site 2 Sludge/Soil N	ear Fuel Tank
60	C,yd,	Site 3 Sludge/Soil F	rom Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Incl	hes Below Sludge In Eastern Sludge Pit
		ST-5	
· ·			
		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED CONTEACT X
		DATE:	TYPE OR PRINT CRAIG SCOLA
PART II: TO E	E COMPLE	TED BY CARRIER/DRIVER	
CARRIER NAME	Aten	cid TRUCKINS	· · · · · · · · · · · · · · · · · · ·
BUSINESS ADDRI		4 Gulladge K	1 FORM
PHONE NO.	327	3787	· · ·
	erials in the quant	ity described above are received	SIGNATURE OF AUTHORIZED - Vence alerceor
		BATE: 8-30 90	ABOVE NAME: Vicente Afercio
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftwa	MZE -Refinery/Hammond Dite	h Road /Bloomfield, NM Envirolech soil dienous
RECEIVER'S COM		ron Hiller shriftway	
		······································	
l certily that the m received by me.	naterials in the c	wantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchul Lacon
		DATE: 8-30-40	ABOVE NAME: MICHAEL T. EASON
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		INDUCTORAL WASTE	DICDOCAL MANIEEST
	·····		DISPOSAL MANIFEST
		TED BY SHIPPER/GENERA	<b>FOR</b>
		ik Country Stores, Inc.	<u></u>
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	Land, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
The second second second		m2C	
RECEIVER'S NAME	Envirote	ch <del>/Thriftway</del> Disposal S	
BUSINESS ADDRES	ss Bloomfi	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Нат	nond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	and free and a second sec	<ul> <li>The second s</li></ul>	
QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.		ar Diesel Fuel Tanks
φų	C,yd,	Site 2 Sludge/Soll Ne	
60	C,yd.	Site 3 Sludge/Soil Fr	om Crude Oil Tank (Drums too)
	C.yd.		es Below Sludge In Eastern Sludge Pit
AL 1975 GAP 2825 (1.10)		Siks ? TDV (1	1/16/90
		consigned to the Carrier named rue and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
	·	DATE:	TYPE OR PRINT CRAIG SCOLA
	^	TED BY CARRIER/DRIVER	
CARRIER NAME	majs	extAVATION	14 14 274 R.M. 87415
BUSINESS ADDRE			NA VISTA R.M 87415
PHONE NO. 3.	34-69		
I certify that the mate by me for shipment i		lity described above are received trination.	SIGNATURE OF AUTHORIZED , AGENT X
		DATE:	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPI	_ETED BY RECEIVER	ىچىنى بىرى بەي قۇر ئېچۇرىپ سىيىتىنى بىرىيىتى بىرىيىتى بىرىيىتى بىرىيىتى بىرىيىتى بىرىيىتى بىرىيىتى بىرىيىتى بىر يېچىنى بىرى بىرى بەي قۇر ئېچىۋىتىك بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى بىرىيى
RECEIVERS NAME	Morris	Young	
PHONE NO.	(505) 326-	2822	
SITE ADORESS	Thriftwo	y-Rofingry/Hammond Ditel	- Road /Bloomfield, MM Conviolick rol dispose
RECEIVER'S COMM	14 44 from	n Hilling Shifting	
I certify that the m received by me.	aterials in the c	quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Multur J. Lawn TYPE OR PRINT ABOVE NAME: MKHAEL T. EASON
		DATE: 8-30-90	ABOVE NAME: MICHAEL T. EASON
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		MARALINAE MUSIE HISLMSVE MUUILEAL	
PART I: TO B	ECOMPLET	TED BY SHIPPER/GENERATOR	
	Mayer	rik Country Stores, Inc.	
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM	
AUTHORIZED CON	TACT TETTY	y Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255	
The second second		mile	
RECEIVER'S NAME		ech <del>/Thriftway-</del> Disposal Site	<del> </del>
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505) 326-2822	
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363	
QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks	
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank	<del>.</del>
60	C.yd,	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit	·
and a second second second second second second second second second second second second second second second		SITES	
		e consigned to the Carrier named signature of true and correct to the best of my Conteact X	, 
		DATE: TYPE OR PRINT CRAIG SCOLA	
PART II: TO E	BE COMPLE	ETED BY CARRIER/DRIVER	1
CARRIER NAME	mass	Fyrzdztión .	
		· Nista POB343	
PHONE NO. 3	34690	67	
	erials in the quant	ntity described above are received SIGNATURE OF	
		DATE: S-30-90 TYPE OR PRINT ABOVE NAME:	
PART III: TO	BE COMPL	DATE: ABOVE NAME:	
RECEIVERS NAME	Norria		
	(505) 326-2	-2822	
	Thriftwo	y Refinery/Hammond Ditch Road /Bloomfield, NM Envirolech wil he	·
	74g 44 from	Atility thrufting	yron
RECEIVER'S COM	MENTS	<b>(</b> **	
I certify that the m	naterials in the c	quantity described in Part 1 are SIGNATURE OF 0 (10)	•
received by me.		AUTHORIZED AGENT X Muchan J. Caron	
		DATE: 8-30-90 TYPE OR PRINT MICHAEL T. EASON	

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		INDUSTRIAL WASTE	DISPOSAL MANIFEST
PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERA	
COMPANY NÁME	Maver	ik Country Stores, Inc.	• • • •
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming	3 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	Lland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ع مر ch <del>/Thriftwa</del> y Disposal	Site
BUSINESS ADDRES	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED	· · · · · · · · · · · · · · · · · · ·	Í	
QUANTITY	UNITS	WASTE DESCRIPTIO	<u>۷</u>
40	C.yd.		ear <u>Diesel Fuel</u> Tanks
60	C.yd.	Site 2 Sludge/Soil N	ear Fuel Tank
60	G.yd.	Site 3 Sludge/Soil F	rom Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inc	hes Below Sludge In Eastern Sludge Pit
	( ) ( )	consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED COTITETECT X TYPE OR PRINT CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER	}
CARRIER NAME	MADSS	Excavation	м
		20 NISTO POR	
PHONE NO. 3	3469	· · · · · · · · · · · · · · · · · · ·	•
<u>.</u> Y	rials in the quant	ity described above are received	SIGNATURE OF AUTHORIZED AGENT X Watter Michol
		DATE: 9-30-90	TYPE OR PRINT
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	-	
PHONE NO. (	(505) 326-2	2822	
SHE ADDRESS	Thriftway Ny 44 From	Refinery/Hammond-Dite	the Road /Bloomfield, NM Convisateck soil degara
RECEIVER'S COMM		<u>A</u>	
I certify that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchar J. Winn TYPE OR PRINT ABOVE NAME: MICHAEL T. EASON
		DATE: 8-30-70	ABOVE NAME: MICHAEL T. EASON

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		ED BY SHIPPER/GENERATO	
COMPANY NAME		k Country Stores, Inc.	•
BUSINESS ADDRES	s P.O.	ox 457, Afton, Wyoming	
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtla	Ind, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	معسر ch <del>/Thtiftway</del> Disposal Si	te
BUSINESS ADDRE	<sub>SS</sub> Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hamm	ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION	<mark>anten en la constanta de La constanta de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta de</mark>
40	C.yd.	Site 1 Sludge/Soil Nea	r Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Nea	r Fuel Tank
60	C.yd.	Site 3 Sludge/Soil Fro	m Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inche	s Below Sludge In Eastern Sludge Pit
			SIGNATURE OF
		e and correct to the best of my C	AUTHORIZED DILEACT X
below. I certify that th		e and correct to the best of my C	AUTHORIZED
below. I certify that if knowledge. PART II: TO B	he foregoing is the	DATE:	AUTHORIZED DILEACT X
below. I certify that II knowledge. PART II: TO B CARRIER NAME	the foregoing is the $COMPLE$	DATE:C	AUTHORIZED DITEACT X TYPE OR PRINT <u>CRAIG SCOLA</u> ABOVE NAME:
PART II: TO B CARRIER NAME BUSINESS ADDRE	He foregoing is the for	TED BY CARRIER/DRIVER	AUTHORIZED DITEACT X TYPE OR PRINT <u>CRAIG SCOLA</u> ABOVE NAME:
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3	the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is in the quant	The and correct to the best of my DATE: TED BY CARRIER/DRIVER TEXTENDED C C DATE: TED BY CARRIER/DRIVER TEXTENDED C DATE: TED BY CARRIER/DRIVER TEXTENDED C DATE: TED BY CARRIER/DRIVER TEXTENDED TEXTEXTENDED TEXTENDE	AUTHORIZED DITERCT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA SIGNATURE OF
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 Icertify that the mate	the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is in the quant	The and correct to the best of my DATE: TED BY CARRIER/DRIVER JEY LANDY LOW G N'15 TZ POR 3 G J Ly described above are received nation.	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA SIGNATURE OF
below. I certify that II knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment t	the foregoing is the foregoing is the foregoing is the second sec	DATE: POR 3 UNIST POR 3	AUTHORIZED DITERCT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA ABOVE NAME: CRAIG SCOLA SIGNATURE OF AUTHORIZED - AGENT X Watth Michael
below. I certify that II knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III; TO	BE COMPLE BE COMPLE BE COMPLE BE COMPL	DATE: C DATE: TED BY CARRIER/DRIVER <u>JEVEL 212100</u> <u>G NISTZ POB</u> <u>G J</u> y described above are received nation. DATE: <u>B 36-90</u> ETED BY RECEIVER	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA SIGNATURE OF AUTHORIZED AGENT X Watth Michael TYPE OR PRINT
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III: TO RECEIVERS NAME	He foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing is the foregoing of the for	DATE: C DATE: TED BY CARRIER/DRIVER JEY LONATION G NISTE POR 3 G J Ly described above are received nation. DATE: <u>B 36-GD</u> ETED BY RECEIVER DUNG	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA SIGNATURE OF AUTHORIZED AGENT X Watth Michael TYPE OR PRINT
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III: TO RECEIVERS NAME	BE COMPLE Morris S 505) 326-2	e and correct to the best of my DATE:	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: 4/3 SIGNATURE OF AUTHORIZED - AGENT X Watth Michael TYPE OR PRINT ABOVE NAME:
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III: TO RECEIVERS NAME PHONE NO. ( SITE ADDRESS Site ACCEUSES	BE COMPLE Morris Morris Market 505) 326-2 Thriftwar	e and correct to the best of my DATE: TED BY CARRIER/DRIVER TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 TEXT & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 &	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: CRAIG SCOLA SIGNATURE OF AUTHORIZED AGENT X Watth Michael TYPE OR PRINT
below. I certify that II knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III: TO RECEIVERS NAME PHONE NO. ( SITE ADDRESS	BE COMPLE Morris Morris Market 505) 326-2 Thriftwar	e and correct to the best of my DATE: TED BY CARRIER/DRIVER TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 TEXT & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 &	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: 4/3 SIGNATURE OF AUTHORIZED - AGENT X Watth Michael TYPE OR PRINT ABOVE NAME:
below. I certify that II knowledge. PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. 3 I certify that the mate by me for shipment to PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS ALL ACTION	BE COMPLE Morris Morris	e and correct to the best of my DATE: TED BY CARRIER/DRIVER TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 TEXT & 1 & 1 & 1 C TEXT & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 &	AUTHORIZED DITEACT X TYPE OR PRINT ABOVE NAME: 4/3 SIGNATURE OF AUTHORIZED - AGENT X Watth Michael TYPE OR PRINT ABOVE NAME:

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PART I: TO BE	ECOMPLET	ED BY SHIPPER/GENERAT	FOR
COMPANY NAME	Maveri	ik Country Stores, Inc.	
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyoming.	83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirt	Land, NM
AUTHORIZED CON	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	معر ch <del>/Thriftway</del> Disposal S	ite
		ld, New Mexico	OFFICE PHONE (505) 326-2822
······································		ond Ditch Road	
SITE ADDRESS	Hanni		SITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION	terenerali in anti anti anti anti anti anti anti
40	C.yd.	Site 1 Sludge/Soil Ne	ar Diesel Fuel Tanks
60	C.yd,	Site 2 Sludge/Soil Ne	ar Fuel Tank
60	C.yd.	Site 3 Sludge/Soil Fr	om Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inch	es Below Sludge In Eastern Sludge Pit
		sites	
	<u>`</u>		
		consigned to the Carrier named ue and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVER	
CARRIER NAME	MOSS	E-ycawation	
	-	a Vista POB	343
	34 109		
	rials in the quanti	ity described above are received	SIGNATURE OF AUTHORIZED, AGENT X Watty Michael
		DATE: 8-30-90	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	oung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftway	Refinery/Hammond Ditch	Road /Bloomfield, NM Envirolech soil pienosal
site across	Aug 44 fro	m Hillor Thiftoay	
		<u>1</u>	
I certily that the m received by me.	aterials in the q	uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchan J. Conver
		DATE: 8-30-90	TYPE OR PRINT MICHAEL T. EASON
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PART I: TO BI	E COMPLET	ED BY SHIPPER/GENER	ATOR
COMPANY NAME	Mayer	ik Country Stores, Inc	د <b>ب</b> مد الله الله الله الله الله الله الله الل
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyomin	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kir	tland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moor	e EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch <del>/Thriftway</del> Disposal	Site
		ld, New Mexico	OFFICE PHONE (505) 326-2822
SITE ADDRESS	ter an ter an ter an ter	ond Ditch Road	SITE PHONE (505) 632-3363
	······································	And a second second second second second second second second second second second second second second second	
QUANTITY	UNITS	WASTE DESCRIPTIO	
40	C.yd.	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil 1	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil 1	From Crude 011 Tank (Drums too)
200	C.yd.	Site 4 Soil 2/4 Inc	ches Below Sludge In Eastern Sludge Pit
	<b>.</b>	2/11	
		consigned to the Carrier named ue and correct to the best of my	signature of Authorized Contact X
below. I certify that t knowledge.	the foregoing is tr	ue and correct to the best of my DATE:	AUTHORIZED Contact X Type or print CRAIG SCOLA
below. I certify that t knowledge.	the foregoing is tr	DATE:	AUTHORIZED Contact X Type or print <u>CRAIG SCOLA</u> ABOVE NAME: R
below. I certify that t knowledge.	the foregoing is tr	DATE: TED BY CARRIER/DRIVE	AUTHORIZED X
below I certify that t knowledge. PART II: TO E	the foregoing is tr BE COMPLE <u>MC</u> ESS DC	ue and correct to the best of my DATE: TED BY CARRIER/DRIVE $S = \frac{1}{2} \times ca \sqrt{a + ia}$	AUTHORIZED Contact X Type or print <u>CRAIG SCOLA</u> ABOVE NAME: R
pelow I certify that t knowledge. PART II: TO E CARRIER NAME	the foregoing is tr BE COMPLE <u>MC</u> ESS DC	DATE: TED BY CARRIER/DRIVE	AUTHORIZED X
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO.	BE COMPLE MC ESS O	ue and correct to the best of my DATE: TED BY CARRIER/DRIVE $S = \frac{2}{2} \times \frac{2}{3} \frac{1}{4} \frac{1}{2} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} $	AUTHORIZED X
below. I certify that t knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. I certify that the mate	BE COMPLE MC ESS O	ue and correct to the best of my DATE: TED BY CARRIER/DRIVE $S = \frac{2}{2} \times \frac{2}{3} \frac{1}{4} \frac{1}{2} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} \frac{1}{6} \frac{1}{7} $	AUTHORIZED CONTEACT X 
below I certify that t knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment	the foregoing is tr BE COMPLE <u>MC</u> ESS <u>D</u> erials in the quant to the above des	ue and correct to the best of my DATE: TED BY CARRIER/DRIVER $S = \frac{X c a \sqrt{a + 30}}{\frac{X c a \sqrt{a - 30}}{\frac{x c a \sqrt{a - 30}}{x c a \sqrt{a$	AUTHORIZED X TYPE OR PRINT <u>CRAIG SCOLA</u> R 7 FICHA UNSTR. MARTYLES SIGNATURE OF AUTHORIZED AGENT X <u>MARTYLE</u> TYPE OR PRINT <u>DUSSE</u> 1000000000000000000000000000000000000
below I certify that t knowledge. PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment	BE COMPLE BE COMPLE Mic ESS erials in the quant to the above des BE COMPL	ue and correct to the best of my DATE: TED BY CARRIER/DRIVE $S = \frac{2}{20} \times \frac{2}{3} + \frac{3}{10}$ $\frac{2}{6} - \frac{6}{9} - \frac{6}{7} + \frac{3}{10}$ ity described above are received tination. DATE: $\frac{2}{3} + \frac{3}{10} + \frac{3}{10}$ ETED BY RECEIVER	AUTHORIZED X TYPE OR PRINT <u>CRAIG SCOLA</u> R R 7 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME	BE COMPLE BE COMPLE Mic ESS erials in the quant to the above des BE COMPL	ue and correct to the best of my DATE:	AUTHORIZED X TYPE OR PRINT <u>CRAIG SCOLA</u> R 7 FICHA UNSTR. MARTYLES SIGNATURE OF AUTHORIZED AGENT X <u>MARTYLE</u> TYPE OR PRINT <u>DUSSE</u> 1000000000000000000000000000000000000
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	the foregoing is tr BE COMPLE <u>MC</u> ESS <u>D</u> erials in the quant to the above des BE COMPL Morris M (505) 326-2	ue and correct to the best of my DATE:	AUTHORIZED X 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	BE COMPLE MC ESS erials in the quant to the above des BE COMPL Morris M (505) 326-2 Thriftway LAcy 44	ue and correct to the best of my DATE:	AUTHORIZED X 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	BE COMPLE MC ESS erials in the quant to the above des BE COMPL Morris M (505) 326-2 Thriftway LAcy 44	DATE: TED BY CARRIER/DRIVER S X A A A A A A A A A A A A A A A A A A	AUTHORIZED X 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	the foregoing is tr BE COMPLE Mic ESS Di erials in the quant to the above des BE COMPL Morris 1 (505) 326-2 Thriftway LAty 44 F MENTS	DATE: TED BY CARRIER/DRIVER S X A A A A A A A A A A A A A A A A A A	AUTHORIZED X 
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS SITE ADDRESS RECEIVER'S COMI	the foregoing is tr BE COMPLE Mic ESS Di erials in the quant to the above des BE COMPL Morris 1 (505) 326-2 Thriftway LAty 44 F MENTS	ue and correct to the best of my DATE:	AUTHORIZED X 

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### INDUSTRIAL WASTE DISPOSAL MANIFEST

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PART I; TO BE	<b>ECOMPLET</b>	ED BY SHIP	PER/GENEF	
COMPANY NAME	Mayer	ik Country	Stores, In	C
BUSINESS ADDRES	s P.O. I	Box 457, Af	ton, Wyomi	ng 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highwa	ay 550, Ki	rtland, NM
AUTHORIZED CONT	ACT Terry		ames & Moo	re EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ch/ <del>Thriftwa</del>	y Disposal	Site
BUSINESS ADDRES			······································	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch R		SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY		WAS	TEDESCRIPTI	ON
40	C.yd,			Near Diesel Fuel Tanks
60	C.yd.			Near Fuel Tank
60	C.yd.	Site 3 S1	udge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 So	11. >/4 In	ches Below Sludge In Eastern Sludge Pit
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The materials describelow. I certify that the knowledge.		consigned to the C		SIGNATURE OF AUTHORIZED COTESCE X
below. I certify that t		consigned to the C		SIGNATURE OF AUTHORIZED
below. I certify that t	he foregoing is tr	Consigned to the C ue and correct to the DATE:	ne best of my	SIGNATURE OF AUTHORIZED COTTEACT X TYPE OR PRINT ABOVE NAME: <u>CRAIG</u> SCOLA
PART II: TO B	he foregoing is in IE COMPLE	DATE: TED BY CAR	RIER/DRIVE	SIGNATURE OF AUTHORIZED COTHEACT X TYPE OR PRINT ABOVE NAME: ER
PART II: TO B CARRIER NAME BUSINESS ADDRE	the foregoing is the foregoing is the second s	DATE: TED BY CARI EXCLUSION	RIER/DRIVE	SIGNATURE OF AUTHORIZED COTTEACT X TYPE OR PRINT ABOVE NAME: <u>CRAIG</u> SCOLA
PART II: TO B	the foregoing is tr ECOMPLE $M \rightarrow 3.5$ SS = Po 3.24 - 60 erials in the quant	DATE: TED BY CARI EXCLUSION 20X 34 267	The best of my $RIER/DRIVE$ $D_{a} + J_{a} + J_{a}$	SIGNATURE OF AUTHORIZED COTHEACT X TYPE OR PRINT ABOVE NAME: ER
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO.	the foregoing is tr ECOMPLE $M \rightarrow 3.5$ SS = Po 3.24 - 60 erials in the quant	DATE: TED BY CAR KK CR COX 34 C7 ity described above lination.	The best of my $RIER/DRIVE$ $D_{a} + J_{a} + J_{a}$	SIGNATURE OF AUTHORIZED COTTERCE X 
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO.	the foregoing is the second public problem is the second public problem is the second public problem is the second public problem is the second public publ	DATE: TED BY CARI <i>FX CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i>CR</i> <i></i>	The best of my RIER/DRIVE $D_{a}$ + $C_{a}$ $C_{3}$ = $F(a)$ F(a) F(a	SIGNATURE OF AUTHORIZED COTHEACT X TYPE OR PRINT ABOVE NAME: CRAIG SICOLA BOVE NAME: CRAIG SICOLA SIGNATURE OF AUTHORIZED AUTHORIZED AGENT X MANNA MOLA
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO.	the foregoing is the second public problem is the second public problem is the second public problem is the second public problem is the second public publ	DATE: TED BY CAR EX L R COX 34 COX 34	The best of my RIER/DRIVE $D_{a}$ + $C_{a}$ $C_{3}$ = $F(a)$ F(a) F(a	SIGNATURE OF AUTHORIZED COTTERCE X 
PART II: TO E CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment in PART III: TO RECEIVERS NAME	the foregoing is the foregoing is the foregoing is the second se	DATE: TED BY CARI FX FX FX FX FX FX FX FX FX FX FX FX FX F	The best of my RIER/DRIVE $D_{a}$ + $C_{a}$ $C_{3}$ = $F(a)$ F(a) F(a	SIGNATURE OF AUTHORIZED COTTERCE X 
PART II: TO B CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment i PART III: TO RECEIVERS NAME	BE COMPLE Morris Y (505) 326-2 Thriftway	DATE: TED BY CAR EXAMINE TED BY CAR EXAMINE COX 34 CT Ty described above lination. DATE: ETED BY RE Coung 2822	The best of my RIER/DRIVE $D_{a} + i G M$ $D_{a} + i $	SIGNATURE OF AUTHORIZED COTTERCE X 
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	l	INDUSTRIAL WASTE DISPOSAL MANIFEST	
PART I; TO B	ECOMPLET	ED BY SHIPPER/GENERATOR	
OMPANY NAME		ik Country Stores, Inc.	
USINESS ADDRE	s P.O. B	Box 457, Afton, Wyoming 83110-0457	
ODRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kirtland, NM	
UTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255	
an an an an an an an an an an an an an a	- <del>1</del>	MLE	
RECEIVER'S NAME		ch/ <del>Thriftway</del> Disposal Site	- 7 - 9
BUSINESS ADDRE	<sub>ss</sub> Bloomfie.	1d, New Mexico OFFICE PHONE. (505) 326-2822	
SITE ADDRESS	Hammo	ond Ditch Road SITE PHONE (505) 632-3363	·
ESTIMATED			
QUANTITY 40	UNITS C.yd.	WASTE DESCRIPTION Site 1 Sludge/Soil Near Diesel Fuel Tanks	<del>.</del>
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank	
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200	C.yd.	Site 4 Soil >/4 Inches Below Sludge In Eastern Sludge Pit	· · · · ·
		Sife 4 Solt 74 Inches below Studge in Eastern Studge II	÷
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elow. I certify that t cnowledge.	he foregoing is try	Authorized Conteact x DATE: TYPE OR PRINT ABOVE NAME: CRAIG SCOLA	
Pelow. I certify that f knowledge. PART II: TO E	BE COMPLET	AUTHORIZED COT # ACT X DATE:	
Pelow. I certify that i knowledge. PART II: TO E CARRIER NAME	BE COMPLET	AUTHORIZED COT # ACT X DATE:	
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO.	BE COMPLET	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	~
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	BE COMPLET	Authonized Content to the best of my       Authonized Content to the best of my         DATE:       TYPE OR PRINT ABOVE NAME: $CRAIG SCOLA$ TED BY CARRIER/DRIVER $CRAIG SCOLA$ $FX CRIDATION       FZ CRIDATION FX CRIDATION       FZ CRIDATION         FZ CRIDATION       FZ CRIDATION         $	
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO.	BE COMPLET BE COMPLET Magazine ESS S J erials in the quantity to the above desti	He and correct to the best of my       Authonized Contended       X         DATE:       TYPE OR PRINT ABOVE NAME: $CRAIG SCOLA$ TED BY CARRIER/DRIVER $CRAIG SCOLA$ $FX CRIDATION       FZ CRIDATION FX CRIDATION       FZ CRIDATION         FZ FZ CRIDATION       FZ FZ CRIDATION         $	
PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat by me for shipment	BE COMPLET BE COMPLET BES BE COMPLET BE COMPLING Marcia V	Authorized Contexact x DATE:	
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the math by me for shipment PART III: TO RECEIVERS NAME	BE COMPLET BE COMPLET BE COMPLET 34 erials in the quantit to the above desti BE COMPLI Morris Ye	Authonsized Content to the best of my       Authonsized Content to the best of my         DATE:       TYPE OR PRINT ABOVE NAME: $CRAIG SCOLA$ TED BY CARRIER/DRIVER $Authonsized$ Authonsized above are receivedination. $AuthonsizedAuthonsized above are receivedination.       AuthonsizedAuthonsized above are receivedadent - x       AuthonsizedAuthonsized - x         DATE:       2/3 Authonsized - xAuthonsized - x       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAbove NAME:       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAuthonsized - x       Authonsized - xAuthonsized - x         DATE:       2/3 Authonsized - xAuthonsized - x       Authonsized - xAuthonsized - x         DATE:       2/3 $	
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the math by me for shipment PART III: TO RECEIVERS NAME	BE COMPLET BE COMPLET BES BE COMPLET BE COMPLE Morris Ya (505) 326-2	Type and correct to the best of my       AlthioRizeD       X         DATE:       TYPE OR PRINT $CRAIG SCOLA$ TED BY CARRIER/DRIVER $ABOVE NAME$ : $CRAIG SCOLA$ TED BY CARRIER/DRIVER $FX CAVQ + FOR       FX CAVQ + FOR         FX CAVQ + FOR       FY FOR PRINT FY FOR PRINT FY FOR PRINT FX CAVQ + FOR       FY FOR PRINT FY FOR PRINT FY FOR PRINT FY OR OR PRINT       FY FOR PRINT FY FOR PRINT FY FOR PRINT FY FOR PRINT       FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT       FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT       FY FOR FOR FOR FOR       FY FOR FOR FOR FOR FOR FOR FOR FOR FOR FOR$	
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	BE COMPLE BE COMPLE BE COMPLE BE COMPLE Morris Yo (505) 326-2 Thriftway	AUTHORIZED X DATE:	i daj
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	BE COMPLET BE COMPLET BES BE COMPLET BES BE COMPLE Morris You (505) 326-2 Thriftway	Type and correct to the best of my       AlthioRizeD       X         DATE:       TYPE OR PRINT $CRAIG SCOLA$ TED BY CARRIER/DRIVER $ABOVE NAME$ : $CRAIG SCOLA$ TED BY CARRIER/DRIVER $FX CAVQ + FOR       FX CAVQ + FOR         FX CAVQ + FOR       FY FOR PRINT FY FOR PRINT FY FOR PRINT FX CAVQ + FOR       FY FOR PRINT FY FOR PRINT FY FOR PRINT FY OR OR PRINT       FY FOR PRINT FY FOR PRINT FY FOR PRINT FY FOR PRINT       FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT       FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT FY FOR PRINT FY FOR PRINT FTED BY RECEIVER FY FOR PRINT       FY FOR FOR FOR FOR       FY FOR FOR FOR FOR FOR FOR FOR FOR FOR FOR$	3 3 3 J drap
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PART II: TO E CARRIER NAME BUSINESS ADDRI PHONE NO. Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS	BE COMPLET BE COMPLET BES BE COMPLE BE COMPLE Morris Y (505) 326-2 Thriftway	AUTHORIZED X DATE:	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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	INDUSTRIAL WASTE	DISPOSAL MANIFEST
PART I: TO BE	COMPLETED BY SHIPPER/GENERA	TOR
COMPANY NAME	Maverik Country Stores, Inc.	<u></u>
BUSINESS ADDRES	s P.O. Box 457, Afton, Wyoming	83110-0457
ADDRESS OF SHIP	MENTORIGIN U.S. Highway 550, Kirt	land, NM
AUTHORIZED CONT	ACT Terry Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
	m 22	· · ·
RECEIVER'S NAME	Envirotech/Thriftway Disposal S	
BUSINESS ADDRES	s Bloomfield, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Hammond Ditch Road	SITE PHONE (505) 632-3363
- ESTIMATED QUANTITY	UNITS WASTE DESCRIPTION	
40		ar Diesel Fuel Tanks
60	C.yd. Site 2 Sludge/Soil Ne	ar Fuel Tank
60	C.yd. Site 3 Sludge/Soil Fr	rom Crude Oil Tank (Drums too)
200	C.yd. Site 4 Soil, >/4 Inch	es Below Sludge In Eastern Sludge Pit
	bed above were consigned to the Carrier named he foregoing is true and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
Kilowicage.	DATE:	TYPE OR PRINT CRAIG SCOLA
PART II: TO B	E COMPLETED BY CARRIER/DRIVER	
CARRIER NAME	Mass Excavation	
BUSINESS ADDRE		va Vista NM 87415
PHONE NO.	334-6967	•
	rials in the quantity described above are received o the above destination.	SIGNATURE OF AUTHORIZED AGENT X CUSSED MOS
	DATE:	TYPE OR PRINT ECSSENMES
PART III: TO	BE COMPLETED BY RECEIVER	
RECEIVERS NAME	Morris Young	
PHONE NO.	505) 326-2822	
SITE ADDRESS	Thriftway Refinery/Hammond Dite	Road /Bloomfield, NM Envirotect soil dupon
i certily that the m received by me.	aterials in the quantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muchaul I. Jun
	DATE: 8-30-90	ABOVE NAME: MICHAEL TI EASON

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### INDUSTRIAL WASTE DISPOSAL MANIFEST

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PART I: TO B	E COMPLET	TED BY SHIPPER/GENE	ERATOR
COMPANY NAME	Maver	ik Country Stores, I	nc
BUSINESS ADDRE	sš P.O.	Box 457, Afton, Wyom	ing 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, K	Lirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Mo	DOTE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	= Envirote	ch <del>/Thriftwa</del> y Disposa	al Site
BUSINESS ADDRE		eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		iond Ditch Road	SITE PHONE (505) 632-3363
A second second second			. one move (2007) 2000
QUANTITY	UNITS	WASTE DESCRIP	TION
40	C.yd.	Site 1 Sludge/Soil	l Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	l Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soi	1 From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4	Inches Below Sludge In Eastern Sludge Pit
			· · · · · · · · · · · · · · · · · · ·
		consigned to the Carrier named we and correct to the best of my	SIGNATURE OF AUTHORIZED Contact X
KIIOWICUGO.		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIV	/ER
CARRIÈR NAMÉ	Mo	10 Escavolion	
BUSINESS ADDR			Box M.M. 87415
	334-6		
		ity described above are received	SIGNATURE OF
by me for shipment	tó the above des	tination.	AUTHORIZED AGENT X Michael L. Willacon
		DATE: . 30-9	AGENT X <u>MichAELL·Wilson</u>
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris M	loung	
THONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftway L Hy 44 f	y-Refinery/Hammond-D 2000 for Hilltowthuf	itch-Road /Bloomfield, NH Envirotect wind hispone
RECEIVER'S COM	MENTS	, (	
I certify that the n received by me.	naterials in the c	quantity described in Part I are	AUTHORIZED AGENT X Muchael. Caron
		DATE: 8-30-90	ABOVE NAME: MICHAEL T. EASON

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		TED BY SHIPPER/GENERATOR
COMPANY NAME	<b>D</b> O	ik Country Stores, Inc. Box 457, Afton, Wyoming 83110-0457
BUSINESS ADDRE	<u>ss</u> <u>r.</u> 0.	U.S. Highway 550, Kirtland, NM
ADDRESS OF SHI		
AUTHORIZED CON	MACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
		m2C
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BUSINESS ADDR		eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
	0.yu.	SITE 5
below. I certify that		consigned to the Carrier named SIGNATURE OF AUTHORIZED CORTEACT X
below. I certify that knowledge.	the foregoing is t	consigned to the Carrier named SIGNATURE OF rue and correct to the best of my AUTHORIZED
below. I certily that knowledge. PART II: TO	BE COMPLE	consigned to the Carrier named       SIGNATURE OF         inue and correct to the best of my       AUTHORIZED         Conteact       X         DATE:       TYPE OR PRINT         DATE:       ABOVE NAME:
below. I certily that knowledge. PART II: TO CARRIER NAME	BE COMPLE	in consigned to the Carrier named true and correct to the best of my     SIGNATURE OF AUTHORIZED COTLEACE       DATE:
below. I certify that knowledge.	BE COMPLE	in constigned to the Carrier named inue and correct to the best of my       SIGNATURE OF AUTHORIZED COTLEACE X         DATE:       TYPE OR PRINT ABOVE NAME:         DATE:       TYPE OR PRINT ABOVE NAME:         CRAIG SCOLA         STED BY CARRIER/DRIVER         W Excavation         W Stata P.O.B.M. 34.3 N.M. 87415
below. I certity that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO.	BE COMPLE M.M. MESS 7-10 1653 7-6 terlats in the quan	in consigned to the Carrier named rue and correct to the best of my       SIGNATURE OF AUTHORIZED Conteact x         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       SIGNATURE OF       SIGNATURE OF         W Lista P. O.B. AL 343 T.M. 87415       SIGNATURE OF       SIGNATURE OF
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO. I certify that the ma	BE COMPLE M.M. MESS 7-10 1653 7-6 terlats in the quan	in consigned to the Carrier named inue and correct to the best of my       Signature of AUTHORIZED COTLEACT X         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         STED BY CARRIER/DRIVER       CARACTION       COLANTION         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         STED BY CARRIER/DRIVER       SIGNATURE OF AUTHORIZED       THORIZED
below. I certily that knowledge. PART II: TO CARRIER NAME BUSINESS ADDE BUSINESS ADDE PHONE NO. I certify that the ma by me for shipmen	the foregoing is t BE COMPLE $M_{M}$	Inconsigned to the Carrier named rue and correct to the best of my       SIGNATURE OF AUTHORIZED Conteact x         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         STED BY CARRIER/DRIVER       SIGNATURE OF AUTHORIZED SIGNATURE OF AUTHORIZED AGENT       SIGNATURE OF AUTHORIZED AGENT         STED RD       SIGNATURE OF AUTHORIZED AGENT       SIGNATURE OF AUTHORIZED AGENT
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO. I certify that the ma by me for shipmen	BE COMPLE Martin 1655 7-10 167115 In the quan t to the above des D BE COMPL	consigned to the Carrier named       SIGNATURE OF         AUTHORIZED       AUTHORIZED         COTITERCT to the best of my       COTTERCT X         DATE:       TYPE OR PRINT         CARAIG       SCOLA         BY CARRIER/DRIVER         CO       Strawation         Stination       Store of a print         DATE:       Store of print         CO       Michael L Wilson         DATE:       Store of print         ABOVE NAME:       Michael L Wilson         DATE:       Store of print         ABOVE NAME:       Michael L Wilson         DATE:       Store of print
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDE PHONE NO. I certify that the ma by me for shipmen PART III: TO	BE COMPLE Martin 1655 7-10 167115 In the quan t to the above des D BE COMPL	consigned to the Carrier named rue and correct to the best of my       Signature of Authorized Conteact x         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         DATE:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       CRAIG SCOLA         State       P.O.B.M. 34.3       T.M. 8.2415         State       P.O.B. A. 10000000000000000000000000000000000
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO. I certify that the ma by me for shipmen PART III: TO RECEIVERS NAM PHONE NO.	BE COMPLE Mar TESS 7-10 Terials in the quan t to the above des D BE COMPL Morris (505) 326-	consigned to the Carrier named rule and correct to the best of my       SIGNATURE OF AUTHORIZED CONTEACT         bare:       TYPE OR PRINT ABOVE NAME:       CRAIG SCOLA         ETED BY CARRIER/DRIVER       CRAIG SCOLA         CO       ELED BY CARRIER/DRIVER         CO       ELED BY RECEIVER         Moung       2822
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO. I certify that the ma by me for shipmen PART III: TO RECEIVERS NAM	BE COMPLE <u>M</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u>	Inconsigned to the Carrier named rule and correct to the best of my       SIGNATURE OF AUTHORIZED CONTEACT         DATE:
below. I certify that knowledge. PART II: TO CARRIER NAME BUSINESS ADDF PHONE NO. I certify that the ma by me for shipmen PART III: TO RECEIVER'S NAM PHONE NO. SITE ADDRESS ALLE OCOM	BE COMPLE <u>M</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u>	Inconsigned to the Carrier named rule and correct to the best of my       SIGNATURE OF AUTHORIZED CONTEACT         DATE:

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		INDUSTRIAL WASTE	E DISPOSAL MANIFEST
PART I: TO BI	E COMPLE	TED BY SHIPPER/GENER	ATOR
COMPANY NAME	Mayer	ik Country Stores, Inc	
BUSINESS ADDRES	s P.O,	Box 457, Afton, Wyomin	ag 8311Q-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Kir	ctland, NM
AUTHORIZED CON	IACT Terry	Vandell, Dames & Moor	CE EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech/ <del>Thriftwa</del> y Disposal	Site
BUSINESS ADDRE		eld, New Mexico	OFFICE PHONE. (505) 326-2822
and the state of the state of the state of the state of the state of the state of the state of the state of the	<u> </u>	nond Ditch Road	
SITE ADORESS		wind htten under	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPTIC	
40	C,yd,	Site 1 Sludge/Soil 1	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude 011 Tank (Drums too)
200	C.yd.	a state that we have a state	<u>ches Below Sludge In Eastern Sludge Pit</u>
and the second second second second second second second second second second second second second second second	and the second second second	\$ 175 5	and a second second second second second second second second second second second second second second second The second second second second second second second second second second second second second second second sec
The materials describelow. I certify that the knowledge.	ibed above were he foregoing is t	consigned to the Cerrier named rue and correct to the best of my	SIGNATURE OF Authonizep Contact X
		DATE:	ABOVE NAME: CRAIG SCOLA
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVE	and the second second second second second second second second second second second second second second secon
CARRIER NAME	-	Excusation	
	·	ra Vista P.O.	A 01 3413 AM 82415
BUSINESS ADDRI			
PHONE NO.		6967	
PHONE NO.	erials in the quan	tity described above are received	SIGNATURE OF AUTHORIZED - X _ Michael LUI down
PHONE NO.	erials in the quan	tity described above are received	ŞIGNATURE OF
PHONE NO. Icertify that the mate by me for shipment	erials in the quan to the aboyg de:	tity described above are received stination.	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LII down</u> TYPE OR PRINT Michaet LI LII & Soc
PHONE NO. Icertify that the mate by me for shipment	erials in the quan to the aboye des BE COMPI	tity described above are received stination. DATE: <u>\$-30-90</u> LETED BY RECEIVER	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LII down</u> TYPE OR PRINT Michaet LI LII & Soc
PHONE NO. Icertify that the mate by me for shipment PART III: TO RECEIVERS NAME	erials in the quan to the aboye des BE COMPI	tity described above are received stination. DATE: <u>2-30-90</u> LETED BY RECEIVER Young	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LII down</u> TYPE OR PRINT Michaet LI LII & Soc
PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME	BE COMPI Morris (505) 326- Thriftwa	tity described above are received stination. DATE: <u><b>P</b></u> - <u><b>PO</b> - <u><b>PO</b></u> LETED BY RECEIVER Young 2822 <del>M2C</del> <del>J</del> - <del>Refine Fy/Hammond Dit</del></u>	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LII down</u> TYPE OR PRINT Michaet LI LII & Soc
PHONE NO. Icertify that the match by me for shipment PART III; TO RECEIVERS NAME PHONE NO. SITE ADDRESS ALL ALL	BE COMPI Morris (505) 326- Thriftwa	tity described above are received stination. DATE: <u>9-30-90</u> LETED BY RECEIVER Young 2822 <u>y-Refine Fy/Itamuond Dit</u>	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LUidonn</u> TYPE OR PRINT <u>Michael L. Wikson</u> ABOVE NAME: <u>Michael L. Wikson</u>
PHONE NO. Icertify that the match by me for shipment PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS ALLE ALL RECEIVER'S COMM	BE COMPI Morris (505) 326- Thriftwa Ments	tity described above are received stination. DATE: <u>9-30-90</u> LETED BY RECEIVER Young 2822 <u>y-Refine Fy/Itamuond Dit</u>	SIGNATURE OF AUTHORIZED AGENT X <u>Michael LUidonn</u> TYPE OR PRINT <u>Michael L. Wikson</u> ABOVE NAME: <u>Michael L. Wikson</u>

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#### PART I: TO BE COMPLETED BY SHIPPER/GENERATOR COMPANY NAME Mayerik Country Stores, Inc. P.O. Box 457, Afton, Wyoming 83110-0457 BUSINESS ADDRESS U.S. Highway 550, Kirtland, NM ADDRESS OF SHIPMENT ORIGIN EMERGENCY PHONE (801) 521-9255 AUTHORIZED CONTACT Terry Vandell, Dames & Moore 422 Envirotech/Thriftway Disposal Site **RECEIVER'S NAME** OFFICE PHONE (505) 326-2822 BUSINESS ADDRESS Bloomfield, New Mexico (505) 632-3363 Hammond Ditch Road SITE ADDRESS SITE PHONE ESTIMATED WASTE DESCRIPTION QUANTITY UNITS Site 1 Sludge/Soil Near Diesel Fuel Tanks C.yd. Sludge/Soil Near Fuel Tank Site 2 C.yd. Sludge/Soil From Crude Oil Tank (Drums too) C.yd. Site 3 Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit C.yd. The materials described above were consigned to the Carrier named SIGNATURE OF AUTHORIZED below. I certify that the foregoing is true and correct to the best of my Contact х

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knowledge.

DATE:	TYPE OR PRINT 	CRAIG SCOLA
PART II: TO BE COMPLETED BY CARRIER/DRIVE	R	
CARRIER NAME Most Sacavation		
BUSINESS ADDRESS Flora Vista P.O.B.	<u>n 343</u>	nm. 87415
PHONE NO. 334-6967	, 	
I certify that the materials in the quantity described above are received by me for shipment to the above destination.	SIGNATURE OF AUTHORIZED - AGENT X	Michael L Wilson
DATE: 5-30-90	ABOVE NAME:	MichArt L- Wilson
PART III: TO BE COMPLETED BY RECEIVER RECEIVERS NAME Morris Young	,	n na sana na sana na sana na sana na sana na sana na sana na sana na sana na sana na sana na sana na sana na s
PHONE NO. (505) 326-2822		
SITE ADDRESS Thriftway-Refinery/Hammond Dit	ch Road /Blo	comfield, NM Enviroter & voi dense
site across they you from Hilltop this	tway	
I certify that the materials in the quantity described in Part   are received by me.	SIGNATURE OF AUTHORIZED AGENT X	micha 2. En
DATE: 8-30-90	TYPE OR PRINT	MICHAEL T. EASON

### INDUSTRIAL WASTE DISPOSAL MANIFEST

PART I: TO B	E COMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME	Mayer	ik Country Stores, Inc.
BUSINESS ADDRE	ss P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CON	TACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	A 20 ech <del>/Thriftway</del> Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE (505) 326-2822
SITE ADDRESS	Hamm	aond Ditch Road SITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soll Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
below. I certify that		consigned to the Carrier named signature of Authonized Conteact to the best of my Conteact X
below. I certify that knowledge.	the foregoing is tr	number     Authonized Conteact     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA
below I certify that knowledge. PART II: TO f	the foregoing is tr	AUTHORIZED CODEACE X DATE:
below. I certify that knowledge.	the foregoing is tr BE COMPLE	Authorized Conteact     Authorized Conteact     X       DATE:     TYPE OR PRINT ABOVE NAME:     CRAIG SCOLA       DATE:     CRAIG SCOLA       TED BY CARRIER/DRIVER       -N TAUNATION
PART II: TO F CARRIER NAME BUSINESS ADDR	the foregoing is tr BE COMPLE Moss	AUTHORIZED CONTEACT X DATE:
PART II: TO F CARRIER NAME BUSINESS ADDR PHONE NO.	the foregoing is tr BE COMPLE MOSS ESS PO 34 - 64 eriats in the quant	AUTHORIZED COREACE X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. 3 I certify that the mat	the foregoing is tr BE COMPLE MOSS ESS PO 34 - 64 eriats in the quant	Authorized COREACE X DATE:
below. I certify that knowledge. PART II: TO F CARRIER NAME BUSINESS ADDR BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment	the foregoing is tr BE COMPLE Moss Ess Po 34 - 64 rertats in the quant to the above des	AUTHORIZED COREACE X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. 3 Icertify that the mat by me for shipment	the foregoing is tr BE COMPLE Moss Ess $Po34 - 64refats in the quantto the above desOBE COMPL$	AUTHORIZED X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. 3 Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE Moss Ess $Po34 - 64refats in the quantto the above desOBE COMPL$	AUTHORIZED X DATE:
PART II: TO E CARRIER NAME BUSINESS ADDR PHONE NO. Certify that the mat by me for shipment PART III: TO RECEIVERS NAME PHONE NO.	the foregoing is tr BE COMPLE MOSS ESS PO 3 4 - 64 to the above des BE COMPL Morris 1 (505) 326-2	Authorized Correct to the best of my $CONTEACT X$ DATE:
PART II: TO F CARRIER NAME BUSINESS ADDR PHONE NO. 3 Icertify that the mat by me for shipment PART III: TO RECEIVERS NAME	the foregoing is tr BE COMPLE MOSS ESS PO 3 U - 64 erials in the quant to the above des BE COMPL Morris M (505) 326-2 Thriftway	Authorized Correct to the best of my Conteact $x$ DATE:

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### INDUSTRIAL WASTE DISPOSAL MANIFEST

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		III A A A I A A A A A A A A A A A A A A		
PART I: TO BI	E COMPLET	ED BY SHIPPER/GENERATOR		
COMPANY NAME Maverik Country Stores, Inc.				
BUSINESS ADDRES	ss P.O.	Box 457, Afton, Wyoming 83110-0457		
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM		
AUTHORIZED CON	TACT TETTY	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255		
RECEIVER'S NAME	Envirote	بر ech <del>/Thriftway</del> Disposal Site		
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE (505) 326-2822		
SITE ADDRESS	Ham	aond Ditch Road SITE PHONE (505) 632-3363		
فالكلام ومقافر ورغيم ومراجع	A			
QUANTITY	UNITS	WASTE DESCRIPTION		
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks		
60	C,yd,	Site 2 Sludge/Soil Near Fuel Tank		
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)		
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit		
	(	Site 5)		
The materials describelow. I certify that the knowledge.	ibed above were the foregoing is tr	consigned to the Carrier named signature of AuthonizeD Conteact of the best of my		
		DATE:		
PART II: TO E	BE COMPLE	TED BY CARRIER/DRIVER		
CARRIER NAME	Mars	ex cauation		
BUSINESS ADDRI	ess P. D	Box 343 FLORA UISTA IV.M. 87405		
PHONE NO.	<u>334-69,</u>	67		
I certify that the mate by me for shipment	· ·	ity described above are received SIGNATURE OF AUTHORIZED - AGENT X		
		DATE: 8-30-50 TYPE OR PRINT CINSBUISSIN		
PART III: TO	BE COMPL	ETED BY RECEIVER		
RECEIVERS NAME	Morrie V			
PHONE NO.	(505) 326-2	2822		
SITE ADDRESS	Thriftway	y-Refinery/Hammond Ditch Road /Bloomfield, NM Envirotechsoil lipon		
RECEIVER'S COM	mh Hus 4	4 from Hillton Shilting in		
l certify that the m received by me.	naterials in the q	quantity described in Part 1 are SIGNATURE OF AUTHORIZED AGENT X Muchan J. Jacon		
		DATE: 5-30-70 TYPE OR PRINT MICHAEL T. EASON		

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		INDUSTRIAL WASTE DISPOSAL MANIFEST
PART I: TO BE	ECOMPLET	TED BY SHIPPER/GENERATOR
COMPANY NAME		ik Country Stores, Inc.
BUSINESS ADDRES	s P.O.	Box 457, Afton, Wyoming 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Kirtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	ech <del>/Thriftwa</del> y Disposal Site
BUSINESS ADDRE	ss Bloomfie	eld, New Mexico OFFICE PHONE. (505) 326-2822
SITE ADDRESS	Ham	mond Ditch Road SITE PHONE (505) 632-3363
OUANTITY	UNITS	WASTE DESCRIPTION
40	C.yd.	Site 1 Sludge/Soil Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit
		consigned to the Carrier named signature of authorized Context of the best of my Context Conte
		DATE: TYPE OR PRINT CRAIG SCOLA
		TED BY CARRIER/DRIVER
CARRIER NAME	moss.	ex cavation
BUSINESS ADDRE	$(\Delta )$	B& 343 flond VISTS V-N. 87415
PHONE NO. 3	3-1 6967	
I certify that the mate by me for shipment (		tity described above are received SIGNATURE OF AUTHORIZED - AUTHORIZED - AGENT - X
		DATE: 530-96 TYPE OR PRINT CUTT, J B. W. SON
PART III: TO	BE COMPL	LETED BY RECEIVER
RECEIVERS NAME	Morris Y	Young
PHONE NO.	505) 326-2	2822
SITE ADDRESS Nite across RECEIVER'S COMM	A 144 44	g-Refinery/Illammond Ditch Road /Bloomfield, NM Enviroleck soil dupone
I certily that the m received by me.	aterials in the q	quantity described in Part I are SIGNATURE OF AUTHORIZED AGENT X Michaeld. Em
		DATE: 5-30-70 TYPE OR PRINT MICHAEL T. EASON

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PART I: TO BE COMPLETED BY SHIPPER/GENERATOR <u>COMPANY NAME</u> <u>Mayerik Country Stores, Inc.</u> BUSINESS ADDRESS P.O. Box 457, Afton, Wyoming 83110-0457	
$R_{\rm M} = 0.000$ Box 457 After Wyoming 83110-0457	
BUSINESS ADDRESS P.D. Box 457, Atton, Wyoming 83110-0457	
ADDRESS OF SHIPMENT ORIGIN U.S. Highway 550, Kirtland, NM	
AUTHORIZED CONTACT Terry Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255	
RECEIVER'S NAME Envirotech/Thriftway Disposal Site	•
BUSINESS ADDRESS Bloomfield, New Mexico OFFICE PHONE (505) 326-2822	
SITE ADDRESS Hammond Ditch Road SITE PHONE (505) 632-3363	
ESTIMATED	
OUANTITY UNITS WASTE DESCRIPTION	
40 C.yd, Site 1 Sludge/Soil Near Diesel Fuel Tanks	··. •
60 C.yd. Site 2 Sludge/Soil Near Fuel Tank	· ·
60 C.yd. Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200 C.yd. Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit	
(Sites)	·····
	4. · · · · · · · · · · · · · · · · · · ·
The materials described above were consigned to the Carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.	
DATE: TYPE OR PRINT CRAIG SCOLA	
PART II: TO BE COMPLETED BY CARRIER/DRIVER	
CARRIER NAME MOSS EX CAUDTION N	
BUSINESS ADDRESS P.O. BOO 343 PLONA VISTA N.K 574 PHONE NO. 334-6967	15
I certify that the materials in the quantity described above are received signature of AUTHORIZED ,	1
DATE: 8-32-90 TYPE OR PRINT CLATS B WILD	on_
PART III: TO BE COMPLETED BY RECEIVER	
RECEIVERS NAME Morris Young	
PHONE NO. (505) 326-2822	
Thriftman Befinnend Ditch Bood (Bloom Statt DL Q . + 1	1 0
site acrone Hy 44 from Hilltope Thylivay	aupo
I certify that the materials in the quantity described in Part I are AUTHORIZED AUTHORIZED AGENT X Michael 2 and	
DATE: <u>6-30-70</u> ABOVE NAME: <u>MICHAEL T. EASON</u>	

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### INDUSTRIAL WASTE DISPOSAL MANIFEST

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PART I: TO B	E COMPLET	ED BY SHIPPER/GENER	RATOR
COMPANY NAME	Maveri	ik Country Stores, Ind	<u>Cerei</u>
BUSINESS ADDRES	ss P.O, I	Box 457, Afton, Wyomin	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CON	TACT TERRY	Vandell, Dames & Moo	re Emergency phone (801) 521-9255
RECEIVER'S NAME	- Envirote	mzc ch <del>/Thriftway</del> Disposal	Site
		ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED		a quadrateria aque seas recordancia aca ditar	
QUANTITY	UNITS	WASTE DESCRIPTI	
40	C.yd.	}P	Near Diesel Fuel Tanks
60	C.yd,	Site 2 Sludge/Soil	
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	Site 4 Soil, >14 In Drum Materia	ches Below Sludge In Eastern Sludge Pit
a tanja dala sana sana sa		//////////////////////////////////////	· · ·
	BE COMPLE	DATE: <u>8-31-90</u> TED BY CARRIER/DRIVE	R
CARRIER NAME	FSS #		<del>у</del>
PHONE NO.	· · ·	3441	
<u>C</u> £	erials in the quant	ity described above are received	SIGNATURE OF AUTHORIZED, X Ragmon fleanche
derich		DATE: 8-31-90	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y	loung	
PHONE NO.	(505) 326-2	2822	
SITE ADDRESS	Thriftway	-Refinery/Hammond Di	tch Road /Bloomfield, NM Envirolich soil dure
Aite across RECEIVER'S COM		m Hillop Shriftway	
I certify that the n received by me.	naterials in the q	wantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Muthe J. Enn
		DATE: 8-31-90	ABOVE NAME: MICHAEL T. EASON
		The second	

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PART I: TO BI	ECOMPLET	ED BY SHIPPER/GENEI	RATOR
COMPANY NAME	Maveri	k Country Stores, In	C
BUSINESS ADDRES	s P.O. I	3ox 457, Afton, Wyomi	ng 83110-0457
ADDRESS OF SHIP	MENTORIGIN	U.S. Highway 550, Ki	rtland, NM
AUTHORIZED CON	MACT Terry	Vandell, Dames & Moo	Dre EMERGENCY PHONE (801) 521-9255
	-	m 2{	
RECEIVER'S NAME		ch <del>/Thriftwa</del> y Disposal	
BUSINESS ADDRES	ss Bloomile	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
	UNITS	WASTE DESCRIPT	
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.	<u>Site 4 Soil, &gt;/4 In</u> Drum Materio	nches Below Sludge In Eastern Sludge Pit
		DIAM MATCH	
		consigned to the Carrier named ie and correct to the best of my	signature of Authorized Contact x
		DATE:	TYPE OR PRINT CRAIG SCOLA
PART II: TO B	E COMPLE	TED BY CARRIER/DRIVE	ER
CARRIER NAME	ARDWD.	A TRucking	
BUSINESS ADDRE	<u>ss # 11</u>	CR 5470	
PHONE NO.	632	3441	
I certify that the mate by me for shipment		ty described above are received ination.	SIGNATURE OF AUTHORIZED - DWAYNE Blown
		DATE:	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPL	ETED BY RECEIVER	
RECEIVERS NAME	Morris Y		
فيستانهن بوبير سيبعد فتاونني مستعدياته المتناوي	(505) 326-2	822	
	Thriftway	-Refinery/Hammond Di Hillon Thriftway	tch Road /Bloomfield, NM Enverolich soil dispo
SITE ADDRESS	& Hog from	e come z e	
RECEIVER'S COM	L Hap from MENTS	uantily described in Part Lare	SIGNATURE OF AUTHORIZED AGENT X Michael J. Const
RECEIVER'S COM	L Hap from MENTS	t t	SIGNATURE OF AUTHORIZED AGENT X Michael J. Courses TYPE OR PRINT ABOVE NAME: MICANER TI GASON

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OMPANY NAME		ED BY SHIPPER/GENERA	10R
	Mayer	ik Country Stores, Inc.	<u> </u>
BUSINESS ADDRES	<u>s</u> P.O.	Box 457, Afton, Wyoming	83110-0457
DDRESS OF SHIP	AENT ORIGIN	U.S. Highway 550, Kirt	land, NM
UTHORIZED CONT	ACT Terry	Vandell, Dames & Moore	EMERGENCY PHONE (801) 521-9255
····			
RECEIVER'S NAME	Envirote	<i>∧ZE</i> ech <del>/Thriftway</del> Disposal :	Site
	1.4	eld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		nond Ditch Road	
SITE ADDRESS		iond pitch koad	SITE PHONE (505) 632-3363
QUANTITY	UNITS	WASTE DESCRIPTION	
40	C.yd.	Site 1 Sludge/Soil N	ear Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil N	ear Fuel Tank
60	C.yd.	Sire B Studge/Soil P	rom Crude OII Tank (Drums too)
200	C.yd.	Site 4 Soil >/4 Inc	hes Below Sludge In Eastern Sludge Pit
gine in the second second	<u> </u>	DEDRUM	Material
19 (A. 1994)			
		DATE:	TYPE OR PRINT CRAIG SCOLA
		TED BY CARRIER/DRIVER	
CARRIER NAME		A TRUCKING	· · · · · · · · · · · · · · · · · · ·
BUSINESS ADDRE	<u>ss # [(</u>	UR 5470 Fr	ran increant.
PHONE NO.	432	3441	<u>V</u>
certify that the mate by me for shipment t		lity described above are received tination.	AUTHORIZED - X DUSALUNE Brawn
		DATE:	TYPE OR PRINT ABOVE NAME:
PART III: TO	BE COMPI	ETED BY RECEIVER	an an an an an an an an an an an an an a
RECEIVERS NAME	Morris '	loung	
PHONE NO.	505) 326-	2822	
······	-Thriftwa	y-Refinery/Hammond Ditc	h Road /Bloomfield, NM Enverotech milder
SITE ADDRESS			
sate across			
SITE ADDRESS ACCEIVER'S COMM RECEIVER'S COMM I certify that the m received by me.		uantity described in Part I are	SIGNATURE OF AUTHORIZED AGENT X Michan 2. Caro

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## INDUSTRIAL WASTE DISPOSAL MANIFEST

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	= COMPLET	ED BY SHIPPER/GENE	RATOR
COMPANY NAME	Mayer	ik Country Stores, Ir	1C
BUSINESS ADDRES	s P.O. I	Box 457, Afton, Wyom	ing 83110-0457
ADDRESS OF SHIP	MENT ORIGIN	U.S. Highway 550, Ki	Irtland, NM
AUTHORIZED CONT	ACT Terry	Vandell, Dames & Moo	Dre EMERGENCY PHONE (801) 521-9255
RECEIVER'S NAME	Envirote	n 2C ch <del>/Thriftuay</del> Disposa	l Site
BUSINESS ADDRE	ss Bloomfie	ld, New Mexico	OFFICE PHONE. (505) 326-2822
SITE ADDRESS		ond Ditch Road	SITE PHONE (505) 632-3363
ESTIMATED QUANTITY	UNITS	WASTE DESCRIPT	ION
40	C.yd.	Site 1 Sludge/Soil	Near Diesel Fuel Tanks
60	C.yd.	Site 2 Sludge/Soil	Near Fuel Tank
60	C.yd.	Site 3 Sludge/Soil	From Crude Oil Tank (Drums too)
200	C.yd.		nches Below Sludge In Eastern Sludge Pit
		Orum Mat	Gr141
		Sure: 8-31-9	O TYPE OR PRINT CRAIG SCOLA
		$\frac{B}{B} = \frac{S - 3}{-9}$ TED BY CARRIER/DRIV	ER
CARRIER NAME	Anim	TED BY CARRIER/DRIV	ER
CARRIER NAME	Anam	TED BY CARRIER/DRIV de trucky 16 CR 54	ER
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CARRIER NAME BUSINESS ADDRE PHONE NO.	An and ESS 77 6 3 2 · erials in the quant	TED BY CARRIER/DRIV	ER 20 70 SIGNATURE OF AUTHORIZED - X Raymon Olicanth
CARRIER NAME BUSINESS ADDRE PHONE NO. I certify that the mate by me for shipment i	An lun ESS TH 6 3 2 - erials in the quant to the above desi	TED BY CARRIER/DRIV	ER SIGNATURE OF AUTHORIZED - X Raymon Olicanda AGENT X Raymon Olicanda
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CARRIER NAME BUSINESS ADDRE PHONE NO. Icertify that the mate by me for shipment in PART III: TO RECEIVERS NAME PHONE NO. SITE ADDRESS SITE ADDRESS SITE ADDRESS	A comparison of the second sec	TED BY CARRIER/DRIV	ER SIGNATURE OF AUTHORIZED AGENT X <u>Raymon Alcusta</u> O TYPE OR PRINT ABOVE NAME:

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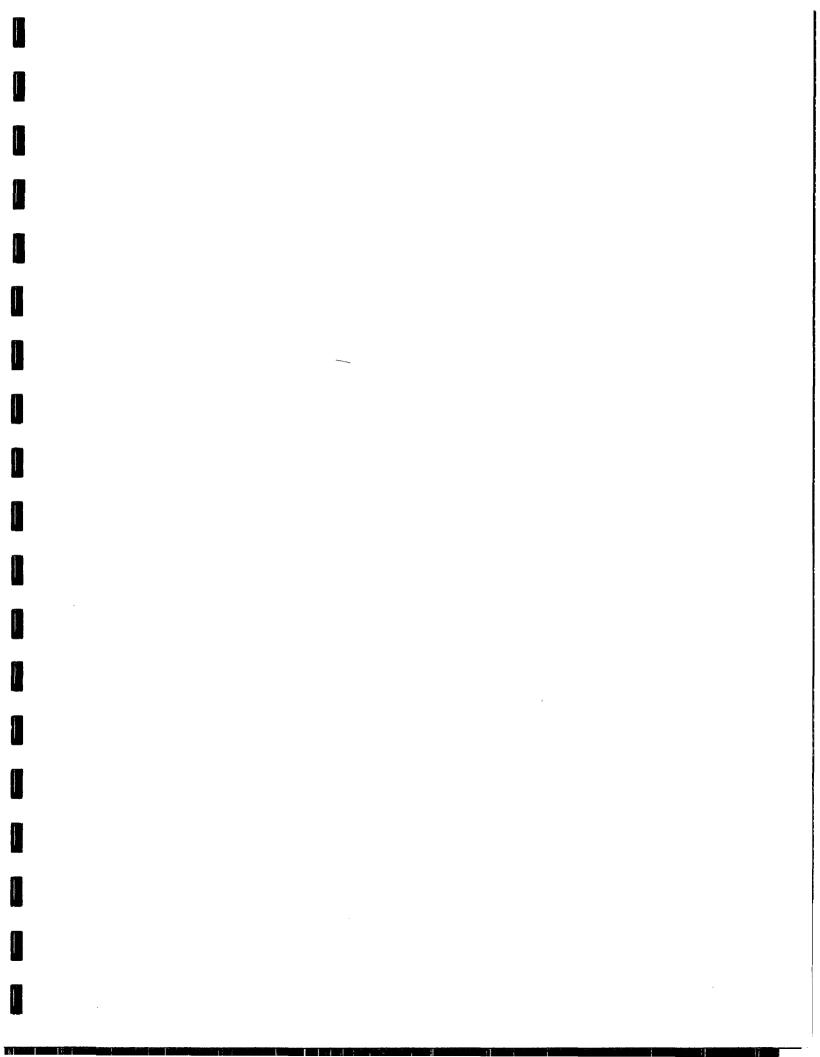
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Lower Valley Water Users Association

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P. O. BOX 193 KIRTLAND, NEW MEXICO 87417

FERIAL	s: <b>№</b> 1779		WORK ORDER	DATE9/21/90
N Y		AMOUNT	FUND	·.
	10,800 Gallons of water pumped			
	from fire hydrant		TO: MAVERICK COUNTRY STORES	
	@ \$3.00 per thousand	\$ 32.40	DESCRIPTION WATER PUMPED FROM FI	
	Tax @5.50%	1.78	· · · · · · · · · · · · · · · · · · ·	
	Total Due	\$ 34.18		· · · · · · · · · · · · · · · · · · ·
		· · ·		
	anna - Martina - Sana anna - Sana anna - Martina - Sana anna - Martina - Sana anna - Sana anna - Sana anna - S		LOCATIONOLD CARIBOU REFINERY	· .
A			LABOR:	· ·
			HOURS DESCRIPTION	AMOUNT
			BILL TO:	
-19			ATTN: TERRY VANDEL	
1		·	DAMES & MOORE	
-	· · · · · · · · · · · · · · · · · · ·		127 S 500 E SUITE 300	
			SALT LAKE CITY, UTAH 841	02
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E TE	COMPLETED			· · · · · · · · · · · · · · · · · · ·
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APPENDIX C DOCUMENTATION: LABORATORY DATA RESULTS PRE-EXCAVATION, SLUDGE AND CONTAMINATED SOILS

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#### APPENDIX C

#### DOCUMENTATION: LABORATORY DATA RESULTS: PRE-EXCAVATION, SLUDGE AND CONTAMINATED SOILS

Laboratory data results for the soils and sludges that were removed from 5 sites at the tank farm (Plate 2) are summarized in Table C-1 herein. This data has been provided to the OCD in previous correspondence (as per the enclosed August 10, 1990 letter to CSI and the August 14, 1990 letter to Envirotech), and discussed in the Dames & Moore June 1988 report, "Phase II Subsurface Soil and Solid Waste Contaminant Evaluation, Maverik Refinery And Tank Farm, Kirtland, New Mexico."

As summarized in Table C-1, refinery-related volatile organic contaminants were verified at all of the excavated sites, and the presence of semivolatile constituents were verified at sites 1 and 5. Analysis for total metals (the 8 RCRA metals) for the 5 sites did not indicate elevated metals concentrations. The characteristic test results for sites 3 and 5 verified that these sludges and contaminated soils were not hazardous.

C-1

TABLE C-1

LABORATORY RESULTS FOR DETECTED CONSTITUENTS FROM PRE-EXCANTION SOLLS AND SLUDCES TAKEN AT THE ON-SITE EXCANTIONS (ORCANTS PARAMETERS)

	hrene Chrysene OVA 011 Solids 8) (uR/kg) (ppm) <u>X</u> X			28 000 300 300 01 2				3	- >1,000 1.5 84.5	1.5	1.5		1.5 - 51.3	1.5  51.3
	Naphthalene Phenanthrene (ug/kg) (ug/kg)			410,000 30,000				,	•					
<u>Semivolatiles</u>	(2-Ethylhexyl) 1-Methyl- phthalate naphthalene (ug/kg) (ug/kg)		•	000 <10,000		•		,	,	• •	• • •	• • • •		
TCO	ble bis		54,000,000	130,000,000 <10,000					•			130,000,000	- - - - -	
	Toluene Benzene <sup>(1)</sup> (ug/kg) (ug/kg)		120 75	11,000 2,000		870 410		13,000 5,200						
	Ethylbenzene (ug/kg)		76	1,800 11,		10,000		26,000 13,						
:	<u>Volatiles</u> m-xylene okp-xylene(s) (ug/kg (ug/kg)		150	6,100		13,000		000'06	000'06	-	000'06 - -	90,000 - 100 -	000'06	00,000 - - - - - - 000,51
:			130	10,000		63,000		17,000						
	1-2 DCA (ug/kg		<100	<200		<100		<1,000	<1,000	<1,000	<1,000	<1,000	<pre>&lt;1,000 </pre>	<1,000 - - 4100
Sample Site	Designation And Depth Sampled (in feet)	Site 1	BH-20 (5-7)(sludge)	BH-22 (0-0.5)(sludge)	Site 2	BH-10 (12)	Site 3	BH-3 (2-7)	BH-3 (5-7) <u>Site 4</u>	BH-3 (3-7) <u>Site 4</u> Siudge, SL-1 (0-0.5)	BH-3 (5-7) <u>Site 4</u> Siudge, SL-1 (0-0.5) Soil (0.5-5.0)	BH-1 (5-7) <u>Site 4</u> Sludge, SL-1 (0-0.5) Soll (0.5-5.0) BH-26 (0-0.5)	BH-1 (5-7) <u>Site 4</u> Sludge, SL-1 (0-0.5) Sall (0.5-5.0) BH-26 (0-0.5) <u>Site 5</u>	BH-1 (5-7) <u>Site 4</u> Sludge, SL-1 (0-0.5) Sell (0.5-5.0) BH-26 (0-0.5) <u>Site 5</u> BH-10 (12)

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Footnotes:
footnotes:
Indicates No. Analyzed effection (reporting) limit.
(2) - Indicates No. Analyzed are as follows:
(3) Reference Dames & Moore (June 1988).
(3) Reference Dames & Moore (June 1988).
(4) The parameters abbreviated are as follows:
(4) The parameters abbreviated are as follows:
(5) Dated Admium Ag Silverian Ag Silverian Concolum Ag Silverian Concolum Ag Silverian Concolum Ag Silverian Concolum Ag Silverian Concolum Ag Silverian Concolum Ag Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Age Silverian Concolum Concolum Age Silverian Concolum C

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TABLE C-1 (Continued) (Metal Parameters)

13,300 mg/kg 2,560 mg/kg Sulfide <u>PH</u><u>Reactivity</u><u>TPH</u> ęę 129,000 mg/kg 7.2 20,300 mg/kg 7.7 Cyanide Oil and Reactivity Ignitability Grease • <0.5 1 k 1 12 >160°F , 4 . ٠ • F <0.2 <0.2 <0.2 2 \$ <u>8</u>8 . • . . 3 <0.05 <0.05 <0.05 E Leached Metals Concentrations (mg/l) Ba Cd Cr Pb Hg Se Ag <0.001 <0.02 <0.005 <0.001 <0.02 <0.005</pre> <0.01 <0.05 <0.001 <0.02 <0.005
0.07 0.20 - - - -</pre> <0.2 0.02 <0.01 <0.02 <0.05 <0.002 <0.2 <0.01 As Ba Ba Cd Cr Co Pb 80 ΰ 86 2 ï ů М . ج <0.5 12 <0.5 <0.5 0.18 0.2 0.10 <0.005 <0.01 1.6 <0.005 <0.01 <0.3 9.4 <0.1 . <0.005 <0.01 1.2 110 5 2.7 • , 29 ż 1.02 <0.1 . \$ . ≎ Sample Site Designation And Depth Sampled (in feet) BH-21 (0-1.25) (surface) BH-22 (0-0.5) (sludge) Sites 1,2 and 3 (composite) BH-26 (0-1) (sludge) BH-3 (11) (EP TOX Test) Drums <u>Site 5</u> Sludge, SL-1 Soll, SO-1 Site 1 Site 4 Site 5 SITe 3

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127 SOUTH 500 EAST, SUFFE 300, SAUT LAKE CITY, UTAH 84102-1959 (801) 521-9255

August 10, 1990

DAMES & MOORE

Conservation Services Inc. 777 West 62nd Avenue Denver, Colorado 80216

> Subject: Disposal of Crude Oil Sludges/Soils To CSI

Attention: Mr. Mike Jennings

Dear Mike:

As per my telelphone conversation with Mr. Mark Molen of CSI on August 10,1990, enclosed are the industrial waste characterization data forms and accompanying laboratory analytical results from ENSECO for the crude oil tank sludge and underlying contaminated soils at the Maverik Country Stores Inc. Tank Farm in Kirtland, New Mexico.

There will be approximately 140 cubic yards of sludge and soil that will need to be disposed of at CSI's facility in Bennett, Colorado. We would like to begin disposal operations the week of August 27, 1990. According to Mr. Molen, you will arrange for trucking ( an estimated 7 truckloads) over, preferably, a 1 to 2 day period, if possible. As we understand, disposal costs to CSI will be \$30.00/cyd. and trucking charges will be \$65.00/hr.

If you have any questions regarding the enclosed, please call me or Pete Olsen at (801) 521-9255.

Very Truly Yours, Q. Vandell Terry D. Vandell

Senior Hydrogeologist

CC: Pete Olsen Levi Todd



OFFICES

(303) 280-9336

Fax: 280-9848

CONSERVATION SERVICES, INC. FACILITY 2090 E. 104th Ave. 41800 E, 88th Ave. Denver, CO 80233 Bennett, CO 80102

(303) 1-644-4335

CSI Waste Code No.\_\_\_\_

EPA I.D. NO.\_\_\_\_

#### INDUSTRIAL WASTE CHARACTERIZATION DATA

In order for us to determine whether we can lawfully and safely transport, treat, and dispose of your waste material, we must obtain certain informatic about the chemical and physical properties of the waste, and its chemical composition and regulatory status. Please be complete and answer eac question by circling "YES" or "NO", checking the appropriate boxes, or filling in the blanks. Answers must be in ink or typewritten and the completed for must be signed by the generator. Please attach all available analyses.

GENERATOR INFO		~	~	-		CUSTOM	ERCONTACT			
CUSTOMER NAME:			y Stores,	Inc.			r. William Call			
						TITLE President				
Afton, Wyoming 83110-0457						PHONE_	307)886-3551			
FACILITY ADDRESS:_	U.S. Hig	hway_#	550		BROKER NAME Dames & Moore					
					BROKER CONTACT Terry Vandel1					
IS BILLING ADDRESS							PHONE #			
IF YOU HAVE USED C	SI BEFORE GIVE C	USTOME	R #			REAPPRO	VAL OF WASTE #			
SOURCE OF WAST	E				Describe t	he business of ge				
Waste Name:Soil	beneath slud	ge at .	Eastern SL	Idge			SIC			
Process Generating W	aste	1 m1		Pit	1		County/State Agency 🖾 Private Party			
	Residue	1 Iauk			Shipment	Mode: XI Bulk	Drums  Woven Bags  Pallets  Other			
							🛛 Gallons 🗆 Lbs. 🖉 Cubic Yards			
			<u>.</u>							
					Per: 🗆 Da	y 🗆 Month 🗆 Ye	ar or 😡 One Time			
WASTE PROPERTI										
APPEARANCE	PHASES	3 pH	0 8-10	4 FI		5 PHYSICAL	6 Chemical Composition () PPM			
ColorGrey	Single	□<2	🗆 10-12.5	1	OINT losed cup)		and Constituents ()% or % (must total 100%) Range			
	Bilayered	0 2-6	□ > 12.5			Liquid (water)	(List all known) Lower Uppr			
Odor <u>HC</u>	Multi-layered	G <del>R</del> 6-8	Actual	1	100°F	Sludge     Damp solid	<u>See Enseco Results () (</u>			
SPECIFIC	8 TOTAL SUSP	ENDED	9 VISCOSITY	t	0°F-140°F	Dry solid	\$Ø_MESP_SO1() (			
GRAVITY	SOLIDS (% W	т.)	(similar to)		0°F-160°F	Powder	() (			
□<0.8 □ 1.4-1.7	□<0.5 □>	20	<b>DA TAR</b>	1	0°F-200°F	☐ Filter cake ⊠ Soil	() ()			
□ 0.8-1.0 □ > 1.7	0.5-2.0 0_		D: HONEY	_	200°F	Concrete				
□ 1.0-1.2 □	_ 🗆 2-5	Actual	D MOTOR OIL	0_	Actual	Debris     Lab pack	() ()			
□ 1.2-1.4 Actual	□ 5-20	% Free	O WATER		diizer	Incinerat ash	() () ()			
<b>.</b>						10 011101	1			
REGULATORY QUE	ESTIONS				E WASTE	CLASSIFICATIO	N			
Is the waste a hazardo	ous waste as define	d by RCR.	Ain Yes	Ŋ			product 🗇 Used oil fuel			
40 CFR Part 261?		uroo lioto	dia 40 Vac	Nšo	ы дА spiii c П From a	manufacturing or	Demolition/construction debris bcess  From a WWT system			
Is the waste stream fro CFR Part 261.31 (F Co		burce liste	am 40 res	041			iject  From a sand or grease trap			
Is the waste stream fro		e listed in	40 CFR Yes	N <b>X</b> O		waste contain:				
Part 261.32 (K Codes) Is the waste from a dis			product Vos	No			1.0 □ 1-10 □ 10-25 □ 25-50 gens □ Biocides □ Infectious Waste			
off specification specie			Il residue	No			Agents 🗆 Etiological Agents 🛈 Asbestos			
listed in 40 CFR 261.3	33 (P Codes and U C	Codes)?			Control	led Substances	Pharmaceuticals 🗆 Gasoline 🗆 Oil			
Does the waste have a 40 CFR 261.2, Subpar		acteristics	s listed in Yes	NO.		Fuel Ø Other Hyd				
Is the waste specific		hazardo	us waste Yes	Ngo		DETERMINATIO				
regulations in 40 CFR		mazarao		•70			sed on: 🔯 Knowledge of Process dent Analysis 🗆 MSDS's 🗇 Other			
If so, attach an explar Part 261.4 where the			f 40 CFR				exicity (metals) DEP Toxicity Pest/Herb			
Is the waste mixed with			Vas	Ň	-		TCLP XO TOX			
Is the waste being le				No	🗆 Total M		□ Method 8240 □ Method 8270			
_characteristic? If so, a	•	-			□ Other_					
AUTHORIZED SIG		tod in the	and all attach -	ddae	imonto in		oto to the best of multiple to deepend ability.			
							rate to the best of my knowledge and ability $n$ or suspected hazards have been disclose			
							or is being sent to CSI's laboratory.			
PRINT NAME: Will	iam Call				SIGNATU	RE: (VIIA	- all			
<b>n</b>	nt, Maverik Co	ountry	Stores, Ir	nc.		8/11	140			
TITLE: Presider					DATE:	0 1 1 0				

त स्त्र ब हा	CONSERVATION	SERVICES,	INC.

OFFICES 2090 E. 104th Ave. Denver, CO 80233 (303) 280-9336 Fax: 280-9848 FACILITY 41800 E. 88th Ave. Bennett, CO 80102 (303) 1-644-4335

CSI Waste Code No.
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EPA I.D. NO. \_\_

#### INDUSTRIAL WASTE CHARACTERIZATION DATA

n order for us to determine whether we can lawfully and safely transport, treat, and dispose of your waste material, we must obtain certain information bout the chemical and physical properties of the waste, and its chemical composition and regulatory status. Please be complete and answer each uestion by circling "YES" or "NO", checking the appropriate boxes, or filling in the blanks. Answers must be in ink or typewritten and the completed form must be signed by the generator. Please attach all available analyses.

the second second second second second second second second second second second second second second second se										_	_
GENERATOR INFO		_	_					RCONTACT			
USTOMER NAME:	Maverik Cou		, Inc.		NAME Mr. William Call						
MAILING ADDRESS: P.O. Box 457							TITLE P	resident			
Afton, WY 83110-0457											
ACILITY ADDRESS:	U.S. Highwa		·			BROKER NAMEDames & Moore					
₩ _	Kirtland, N						BROKER C	CONTACT Terry Va	indel1		
IS BILLING ADDRESS								PHONE # <u>(801)</u> 52			
F YOU HAVE USED C	SI BEFORE GIVE C	USTOMER #			<u>-</u>		REAPPRO	VAL OF WASTE #			
SOURCE OF WAST	E				Describe t	he bu	siness of ger	nerator		····	
Waste Name:Sludg		Sludge Pit			0il	refi	ning	S	IC		
Process Generating W	aste Crude Oi	1 Tank Slud	ge					County/State Agency			
100000 activities and								Drums OWven Bags			
								🗆 Gallons 🗆 Lb			
							ner				
								ar or 囚 One Time			
					1						
WASTE PROPERTIN					1011						
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color_Grey-black	X Single				losed cup)		-	(must total 100%)	170		nge
	Bilayered						quid (water)	(List all known)	1	lower	Upper
Odor	Multi-layered	፼6-8 □	ctual		100°F		ludge amp solid			• •	()
SPECIFIC	8 TOTAL SUSPI		OSITY		0°F-140°F		ry solid	_SeeEnseco_Res			•
GRAVITY	SOLIDS (% W		lar to)		0°F-160°F		owder	MESP-SL1		()	()
□<0.8 □1.4-1.7		20 🖄 TAR		D:16	0°F-200°F		ilter cake			( )	()
0.8-1.0 □> 1.7	□ 0.5-2.0 □		EY	<b>0</b> >:	200°F	1	oncrete			()	()
1.0-1.2		Actual D MOTO		0	Actual		ebris			()	()
□ 1.2-1.4 Actual	 	% Free wate			idizer		ab pack Icinerat. ash			()	()
		Liquid			101201		ther			()	()
REGULATORY QUE	STIONS				E WASTE	CLA	SSIFICATIO	N			
Is the waste a hazardo		d by RCRA in	Yes	No				product 🗆 Used oil fue	el.		
_40 CFR Part 261?			100	X				] Demolition/construct		is	
s the waste stream fro	om a non-specific so	ource listed in 40	Yes	No				cess D From a WWT			
EFR Part 261.31 (F Co								ject 🛛 From a sand or	grease	trap	
Is the waste stream fro		e listed in 40 CFR	Yes	Ν¢	Does the				7 05 50		
Part 261.32 (K Codes)								1.0 □ 1-10 □ 10-25 I jens □ Biocides □ Inf			
s the waste from a dis			ς res e	Νo				Agents   Etiological A			
listed in 40 CFR 261.3	3 (P Codes and U C	Codes)?			Contro			Pharmaceuticals			
Does the waste have a	any hazardous char	acteristics listed i	n Yes	Νo	🗆 Diesel	Fuel	🛛 Other Hyd	rocarbons			
10 CFR 261.2, Subpar	t C (D Codes)?			^	WASTE	EDET	ERMINATIO	DN .			
s the waste specific		hazardous waste	e Yes	No	The inform	nation	listed is bas	sed on: 🖄 Knowledge o			
regulations in 40 CFR		portion of 40 CEF	<b>a</b>		CSI An	alysis	DX Independ	dent Analysis 🗆 MSDS	's □ Otl	her	
Part 261.4 where the					Analysis a	attach	ed: 🕅 EP To	xicity (metals) DEP To	xicity Pe	est/He	rb
s the waste mixed wit	h a hazardous was	te?	Yes	No							х
Is the waste being le			s Yes	Νχο	□ I otal M		LI MSDS'S	□ Method 8240 □ Me	ethod 82	70	
characteristic? If so, a	ttach an explanatio	n.		^							
AUTHORIZED SIG		tod in this and -11	attache	ddaa	imanta ia -	omal-	to ond	nto to the head of a f			
								ate to the best of my kr n or suspected hazards	-		
				•				or is being sent_to CSI's			
Sample representat	ive of the waste has		ung ci	πapp			•	$\sim$	siauuiat	UT <b>y</b> .	
POINT NAME WI	lliam Call				SIGNIATU	05	inta	n AM			

TLE: President, Maverik Country Stores, In

	SIGNATURE:	Mila	and	
c.	DATE:	8/10/1	90	

Enseco

### SAMPLE DESCRIPTION INFORMATION for Dames and Moore

Lab ID	Client 10	Matrix	Sampled Date T	ime	Received Date
008144-0001-SA 008144-0002-SA		SOIL SOIL	18 JAN 90 1 18 JAN 90 1		

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General Inorganics

Client ID: ME Lab ID: 00 Matrix: SO	ames and Moore SP-SL1 08144-0001-SA 01L 0 JAN 90	Sampl	1D: 1064809 ed: 18 JAN 9 ed: See Belc		ved: 20 JAN g zed: See Belo	20 W
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cyanide, Reacti Ignitability Oil and Grease pH Sulfide, Reacti Total Petroleum Hydrocarbon	>160 129000 7.2 ve ND	mg/kg deg. F mg/kg units mg/kg mg/kg	0.1 100  0.5 50	EPA/OSW 1010/1020 9070 Mod. 9045/ASTM EPA/OSW 9070	NA NA NA NA NA	23 JAN 90 23 JAN 90 24 JAN 90 23 JAN 90 23 JAN 90 23 JAN 90 23 JAN 90

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

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ND = Not detected NA = Not applicable

Reported By: Ron Maiorana

Approved By: Kimberly Conroy

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### Metals

EP Toxicity Leachate

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Client Name: Client 10: Lab IO: Matrix: Authorized:	Dames and Moore MESP-SL1 008144-0001-SA SOIL 20 JAN 90	Sample	D: 1064809 ed: 18 JAN 9 ed: See Belo		ved: 20 JAN 9 zed: See Belo	
<b>Par</b> ameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic Barium Cadmium Chromium Lead Silver Mercury Selenium	ND 0.10 ND 0.18 ND ND ND ND	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.1 0.01 0.005 0.01 0.05 0.01 0.002 0.05	6010 6010 6010 6010 6010 6010 7470 7740	24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90	25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90

ND = Not detected NA = Not applicable

Reported By: Fred Velasquez

Approved By: Kimberly Conroy

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		SAMPLE	DESCRIPT fo Dames an	ION INFOR r d Moore	MATION			
Lab ID	Client ID			Matrix	Samp Date	led Time	Received Date	
009523-0001-SA				SOIL	05 MAY 9	0 04:00	08 MAY 90	
_								
								۰,
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General Inorganics

Lab 10: 0081 Matrix: SOIL	-Sol 44-0002-SA	Sample	1D: 1064810 ed: 18 JAN 9 ed: See Belo		ved: 20 JAN s zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cyanide, Reactive Ignitability Oil and Grease pH Sulfide, Reactive Total Petroleum Hydrocarbons	>160 20300 7.7	mg/kg deg. F mg/kg units mg/kg mg/kg	0.1 100 -0.5 50	EPA/OSW 1010/1020 9070 Mod. 9045/ASTM EPA/OSW 9070	NA NA NA NA NA	<ul> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>24 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> </ul>

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

ND = Not detected NA = Not applicable

Reportet By: Ron Maiorana

Approved By: Kimberly Conroy

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Benzene, Toluene, Ethyl Benzene and Xylenes (BTX)

Enseco

Method 8020

Client ID: Lab ID: Matrix:	Dames and Moore ESP-Soil 009523-0001-SA SOIL 15 MAY 90	Enseco ID: Sampled: Prepared:	05 MAY 9	30	Received: 08 M Analyzed: 16 M	
Parameter			Result	Wet wt. Units	. Reporting Limit	
Benzene Toluene Ethylbenzene Xylenes (tota			ND ND ND ND	ug/kg ug/kg ug/kg ug/kg	50 50 50 100	

ND = Not detected NA = Not applicable

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Reported By: Janet Heida

Approved By: Kim Zilis

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#### Metals

EP Toxicity Leachate

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MESP-Sol 008144-0002-SA SOIL 20 JAN 90	Sample	10: 1064810 ed: 18 JAN 9 ed: See Belo		ived: 20 JAN 9 yzed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic Barium Cadmium Chromium Lead Silver Mercury Selenium	ND 1.6 ND ND ND ND NO NO	mg/l mg/l mg/l mg/l mg/l mg/l mg/l	0.1 0.01 0.005 0.01 0.05 0.01 0.002 0.05	6010 6010 6010 6010 6010 6010 7470 7740	24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90	25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90

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ND = Not detected NA = Not applicable

Reported By: Fred Velasquez Approved By: Kimberly Conroy

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COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1918 SOUTH HIGHLAND AVE., SUITE 210-8, LOMBARD, ILLINOIS 60148 + (708) 953-9300

Member of the SQB Group (Sociate' Gohotale as Survemence)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 400 ORCHARD ST., GOLDEN, CO BO401 TELEPHONE: (303) 278-0821 PAX: (300) 276-1779

Conservation Services Inc. 777 West 62nd Avenue Denver, Colorado \$0216 Date: July 11, 1990 IAD #97-129880-01 Received: 07/05/90

Attention: Mr. Mark A. Molen

Material: Oil (Composite Sites 1, 2 and 3)

Procedure: EP Toxicity per EPA Reference SW-846, Test Methods for Evaluating Solid Wester.

Results: EP Toxicity results are reported as milligrams per liter, (mg/L), on an extract basis.

> The weight of the sample prepared for the analysis is reported in grams (gm).

The volume of 0.5N acetic acid required for the pH adjustment of the extract is reported in milliliters (ml).

The volume of de-ionized water added and final volume of the extract are also reported in milliliters (ml).

The initial and final pH values of each extract are reported directly.

If you have any questions concerning these results, please feel free to call.

Bypon C. Caton Laboratory Manager

d1d/csi9880

OVER 40 BRANCH LASORATORING STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS. TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING PACILITIES Conservation Services Inc. IAD #97-129880-01 July 11, 1990 Page 2

### EP Toxic Extract Elements

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Parameter	03847
Arsenic, As Barium, Ba Cadmium, Cd Chromium, Cr	<0.2 0.03 <0.01 <0.02
Lead, Pb Morcury, Hg Selenium, Se Silver, Ag	<0.05 <0.0002 <0.2 <0.01
Sample Weight	100.0
Volume of 0.5N Acetic Acid required for pH adjustment	Ó
Volume of deionized water added to the extract	2,000
Final volume of the extract	2,000
Initial pH	4.3
Final pH	4.4.

Original Copy Watermarked For Your Protection

F-465

### CONSERVATION SERVICES, INC. LABORATORY WORKSHEET

CUSTOHER: ROCKY MTN.	CONST.	CONTACT:
WASTE CODE: CO-01-	-03847	MANIFEST NO.:
RECIEVED: DATE 7-3-90	TINE	VOLUME

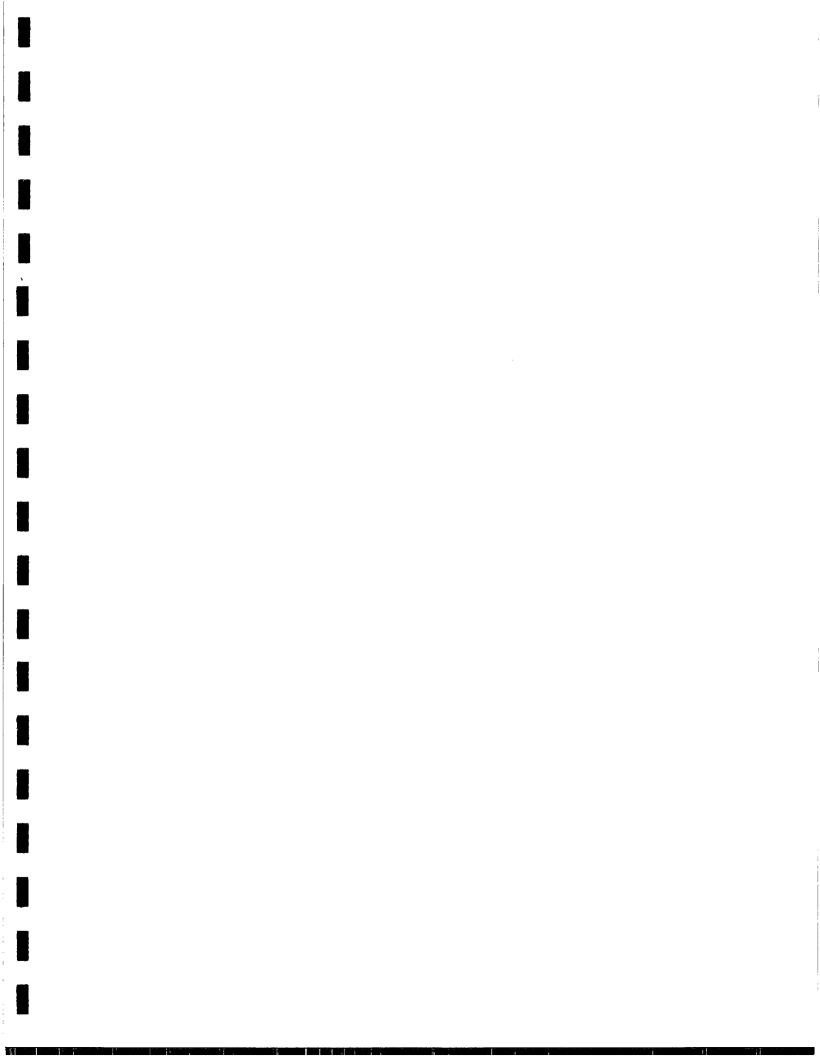
CORROSIVITY INITIAL  $pH_{7.5}$  (<u>1.0</u> % sample solution) REACTIVITY Any reactions with {] AIR {] WATER {} KILN DUST

> ACID ADJUST: 20 ml of a <u>1.0 Z</u> sample solution took <u>1.0 ml of 10Z HCl, final pH 2.0</u> REACTIONS none

> BASE ADJUST: 20 ml of a <u>1.0</u> Z sample solution took <u>1.0</u> ml of 10% NaOH, final pH <u>12.5</u> REACTIONS\_\_\_\_\_\_

SOLFIDES	Spot test {]positive []negative QUANTITATIVE
CYANIDES	QUANTITATIVE - AMMONIA QUANTITATIVE -
CHLORIDES	Spot test []very []slight []none
RADIOACTI	VITY Greaterl) or Less { than background
SUSPENDED	SOLIDS After Centrifuge7 of total volume
HOISTURE	Z VISCOSITYcp (centipoises)
	Sludge liquifies during flashpoint test heating. osite of the 3 samples submitted was used for this analysis,
and the	outside lab work. SAMPLE EEMAINING <u>4</u> gt.
ANALYST (	al. Moroles DATE 7-10-90

$M-M.$ $\frac{45}{5TART:}$ $\frac{25}{20}$ $\frac{45}{15}$ $\frac{25}{15}$ $\frac{264.2}{154.01}$	WASTE WASTE DO MLS KD= 1.55MLS KD= 8.45MLS KD=	OF WASTE	45_MLS=5	<u>3.2 g</u> rams
$\frac{M-M}{2} = \frac{45}{154} = \frac{7}{264}$	WASTE WASTE DO MLS KD= 1.55MLS KD= 8.45MLS KD=			<u>3.2 g</u> rams
$\begin{array}{cccc}  & 45 & \chi \\  & 5TART: & 20 \\  & 5TART: & 15 \\  & 15 \\  & 15 \\  & 15 \\  & 15 \\  & 264.2 \\  & 154.0 \\ $	WASTE DO MLS KD= 1.55 <sub>MLS</sub> KD= 8.45 <sub>MLS</sub> KD=			<u>3.2 g</u> rams
$= \frac{264.2}{154.0}$		55 204.2 G 200.2 G G 64.0 G	TER	
= 1154.11				
	<u>C KD</u> . dust left	×≖ 151.5	5	
	WEIGHT	OF WASTE	XLS⊐_	
DX START: INISH: FOTAL:	WASTE MLS KD MLS KD MLS KD	X WA	TER	
<u> </u>	<u>g kd</u>	×=		
V	OLUME INCRE	ASE 1.25		
			·····	
EQUIREMENT	SSTART	FINISH	MLS USED	FINAL p
		میں ہونے ہیں۔ میں ایک ایک ایک ایک ایک ایک ایک ایک ایک ایک		 
	START: INISH: TOTAL: = 154.0 V V EQUIREMENT VOLUME ch*ppr	Approximately	START:       MLS KD=G         INISH:       MLS KD=G         TOTAL:       MLS KD=G         # 154.0 G KD       x=         VOLUME INCREASE       1.25         KQUIREMENTS       START FINISH	<pre># 154.0 G KD x= VOLUME INCREASE 1.25  EQUIREMENTS VOLUME</pre>





August 14, 1990

Envirotech 3111 Knudsen Farmington, NM 87401

Attention: Mr. Morris Young, President

> Re: Disposal of Tank Farm Contaminated Wastes and Soils to Thriftway Disposal Site

Dear Mr. Young:

As per our telephone conversation of August 8 and 10, 1990, this letter serves as a written formal request to dispose of certain refinery-related contaminated soils and sludges from the Maverik Country Stores Inc. abandoned tank farm (Caribou) near Kirtland, New Mexico to your disposal facility located at the Thriftway Refinery in Bloomfield, New Mexico.

As per our discussions with Mr. Bill Olson of the Oil Conservation Division, the soils and sludges on-site at the aforementioned tank farm (with the exception of the sludge and underlying 4 to 6 inches of soil at the Eastern Sludge Pit) can be disposed of at the Thriftway Disposal Site. Figure 1 shows the locations of the sites, designated sites 1 through 4, where soils and sludges are to be removed and disposed of to Thriftway. Laboratory analytical data for the material are also attached which demonstrate that these wastes from the fuel oil, diesel and crude oil tanks are not hazardous (i.e., do not fail EP toxicity tests). Specifically, we have attached the laboratory analytical test results for:

1.

Sludges near the northern diesel fuel tanks (Site 1),

Envirotech August 14, 1990 Page -2-

- 2. Soils near the fuel oil tank (Site 2),
- 3. The crude oil tank sludge (Site 3), which was removed from the crude oil tank by Rocky Mountain Construction Services, Inc. (some of which is currently stored in 55-gallon drums on-site, to be disposed of to Thriftway),
- 4. The sludge and underlying soils at the eastern sludge pit (Site 4), and
- 5. A composite sample taken from surficial sludges and soils at the three areas (Sites 1, 2 and 3) near the diesel fuel, fuel oil and crude oil tanks.

With respect to the underlying soils in the Eastern Sludge Pit, at depths greater than 4 to 6 inches, these deeper soils can be disposed of at Thriftway. The overlying sludge and soils will, however, be disposed of at CSI in Bennett, Colorado.

The volume (depth and extent) of soil/sludge removal will be determined in the field during excavation, both visually and via headspace analysis for volatile organics. However, we have estimated that approximately 350 cubic yards of waste material will be disposed of at the Thriftway Refinery. As per our conversation of August 10, 1990, the cost for such disposal will be about \$8.00/ton (or cubic yard). Attached is a manifest form that can be used for this project.

A copy of this letter has been forwarded to Mr. Bill Olson for his review and records. As we understand and, upon Mr. Olson's verbal and/or written approval of this request the waste material as described can be delivered and appropriately disposed of at the Thriftway Disposal Site. If possible, we would like to begin disposal the week of August 27, 1990, the same week that CSI is scheduled to begin removal of sludge and upper soil from the Eastern Sludge Pit.

# DAMES & MOORE A PROFESSIONAL LIMITED PARENERS HIP

Envirotech August 14, 1990 Page -3-

We appreciate your time and cooperation in this matter. If you have any questions, please call (801) 521-9255.

Very truly yours, DAMES & MOORE

 $\Box$ 

Peter F. Olsen Associate

7. D. Vandell

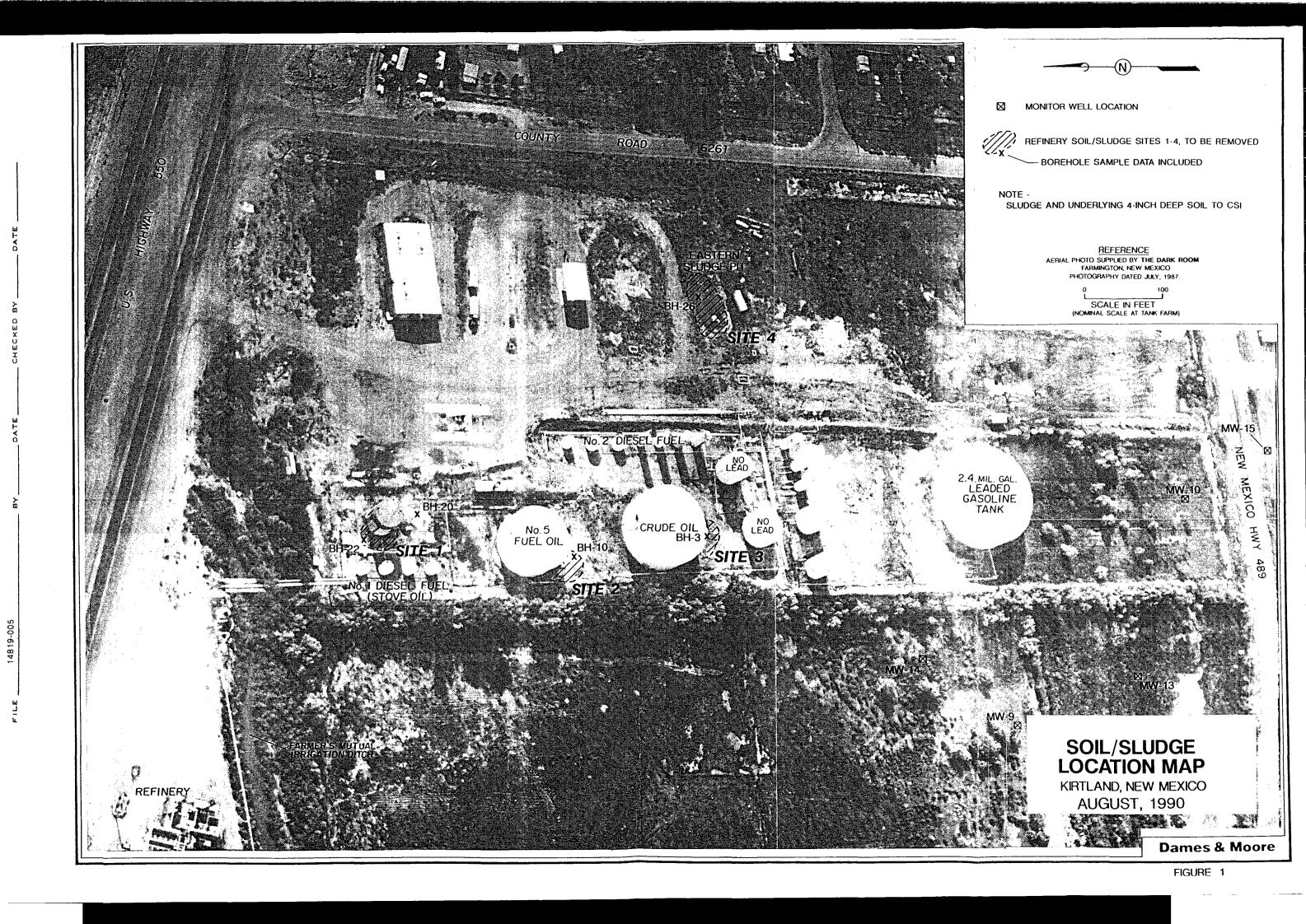
Terry D. Vandell Senior Hydrogeologist

PFO/TDV:f1

cc: Bill Olson With Attachments

> Bill Call With Attachments

Levi Todd With Attachments



# INDUSTRIAL WASTE DISPOSAL MANIFEST

PART I: TO BE COMPLETED BY SHIPPER/GENERATOR	
COMPANY NAME Maverik Country Stores, Inc.	
BUSINESS ADDRESS P.O. Box 457, Afton, Wyoming 83110-0457	
ADDRESS OF SHIPMENT ORIGIN U.S. Highway 550, Kirtland, NM	
AUTHORIZED CONTACT Terry Vandell, Dames & Moore EMERGENCY PHONE (801) 521-9255	
RECEIVER'S NAME Envirotech/Thriftway Disposal Site	
BUSINESS ADDRESS Bloomfield, New Mexico OFFICE PHONE (505)326-2822	<u>_</u>
SITE ADDRESS Hammond Ditch Road SITE PHONE (505) 632-3363	
QUANTITY UNITS WASTE DESCRIPTION	
40 C.yd. Site 1 Sludge/Soil Near Diesel Fuel Tanks	
60 C.yd. Site 2 Sludge/Soil Near Fuel Tank	
60 C.yd. Site 3 Sludge/Soil From Crude Oil Tank (Drums too)	
200 C.yd. Site 4 Soil, >/4 Inches Below Sludge In Eastern Sludge Pit	
DATE:       TYPE OR PRINT ABOVE NAME:       Terry D. Vandel1         PART II: TO BE COMPLETED BY CARRIER/DRIVER         CARRIER NAME	
BUSINESS ADDRESS	
PHONE NO.	<u> </u>
I certify that the materials in the quantity described above are received SIGNATURE OF AUTHORIZED by me for shipment to the above destination. AGENT X	
TYPE OR PRINT           DATE:	
PART III: TO BE COMPLETED BY RECEIVER	
RECEIVERS NAME Morris Young	
PHONE NO. (505) 326-2822	
SITE ADDRESS Thriftway-Refinery/Hammond Ditch Road /Bloomfield, NM	
RECEIVER'S COMMENTS	
I certify that the materials in the quantity described in Part I are received by me. SIGNATURE OF AUTHORIZED AGENT X	
TYPE OR PRINT DATE:	

# SLUDGES NEAR DIESEL FUEL TANKS

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(SITE 1)

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# **AROMATIC VOLATILE ORGANICS**

#### EPA METHOD 8020

Client Name: DAMES AND MOORE						
Client ID: BH-20						
Laboratory ID: 67196-001	Enseco ID: 671	96-001				
Matrix: Soil	Sampled: 04/21/88					
Authorized: 04/22/88	Analyzed: 05/03/88					
Parameter	Result	Units (as <u>received)</u>	Reporting <u>Limit</u>			
Benzene	75	ug/kg	50			
Chlorobenzene	N.D.	ug/kg	50			
1,2-Dichlorobenzene	N.D.	ug/kg	50			
1,3-Dichlorobenzene	N.D.	ug/kg	50			
1,4-Dichlorobenzene	N.D.	ug/kg	50			
Ethylbenzene	76	ug/kg	50			
Toluene	120	ug/kg	50			
m-Xylene	130	ug/kg	50			
o & p-Xylene(s)	150	ug/kg	50			

N.D. = Not detected

Reported by: Helmer Morse

Approved by: Susan Brillante

Enseco

### ANALYTICAL RESULTS FOR TOTAL CHROMATOGRAPHABLE ORGANICS

Client Name: DAMES AND MOOR Client ID: BH-20 Laboratory ID: 67196-001 Matrix: Soil Authorized: 04/22/88	Sampled:	Enseco ID: 04/21/88 04/27/88	67196-001 Received: Analyzed:	04/22/88 04/29/88
· · · · · · · · · · · · · · · · · · ·	<u></u>	Value	Units	Detection Limit
Total Chromatographable Orga Initial Boiling Point* Final Boiling Point* Gasoline Stoddard Solvent Jet Fuel Kerosene Diesel Motor Oil	nics	54,000,000 250 450 ND ND ND 54,000,000 ND	ug/kg oc ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	830,000 - 8,300,000 8,300,000 8,300,000 8,300,000 8,300,000 83,000,000

\* The initial and final boiling points define the range of compounds detected. The method is capable of detecting compounds between 100°C and 500°C.

\*\* Primary components of this product were detected in the sample. Due to the overall complexity of the chromatogram, reliable identification of this product cannot be achieved.

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### **INORGANIC PARAMETERS**

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Client Name: DAMES AND	MOORE				
Client ID: BH-20					
Laboratory ID: 67196-001		Enseco ID:	67196-001		
Matrix: Soil	Sampled: 04/21/88		Received: 04/22/88		
Authorized: 04/22/88	· · · · · · · · · · · · · · · · · · ·				
Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Oil	10.3	%	0.1		05/03/88
Water	10.9	%	0.1		05/03/88
Solids	78.8	%	0.1		05/03/88

N.D. = Not detected

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Approved by: Lindsay Breyer

Sample: 67196-001

#### **AROMATIC VOLATILE ORGANICS**

#### EPA METHOD 8020

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Client Name: DAMES AND	MOORE			
Client ID: BH-22				
Laboratory ID: 67196-003	Enseco ID: 671	.96-003		
Matrix: Waste	Sampled: 04/21/88	Received: 04/22/3	88	
Authorized: 04/22/88	ized: 04/22/88 Analyzed: 05/03/88			
Parameter	Resul		ts (as ived)	Reporting <u>Limit</u>
Benzene	2000	ug/1	kg	100
Chlorobenzene	N.D	. ug/l	kg	100
1,2-Dichlorobenzene	N.D	. ug/1	kg	100
1,3-Dichlorobenzene	N.D	ug/1	kg	100
1,4-Dichlorobenzene	N.D	. ug/1	kg	100
Ethylbenzene	1800	<b>ug</b> /1	kg	100
Toluene	11000	<b>ug</b> /1	kg	100
m-Xylene	10000	ug/l	kg	100
o & p-Xylene(s)	6100	ug/1	kg	100

N.D. = Not detected

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Reported by: Helmer Morse

Approved by: Susan Brillante

Sample: 67196-003

Enseco

#### ANALYTICAL RESULTS FOR TOTAL CHROMATOGRAPHABLE ORGANICS

Client Name: DAMES AND MOON Client ID: BH-22 Laboratory ID: 67196-003 Matrix: Waste Authorized: 04/22/88	RE Sampled: Prepared:	Enseco ID: 04/21/88 : 04/27/88	67196-003 Received: Analyzed:	04/22/88 04/29/88
Total Chromatographable Org Initial Boiling Point* Final Boiling Point* Gasoline Stoddard Solvent Jet Fuel Kerosene Diesel Motor Oil	anics	<u>Value</u> 130,000,000 100 500 ND ND ND ND ND ND ND ND	Units ug/kg °C - - - - - -	Detection Limit 830,000 

- \* The initial and final boiling points define the range of compounds detected. The method is capable of detecting compounds between 100°C and 500°C.
- \*\* Primary components of this product were detected in the sample. Due to the overall complexity of the chromatogram, reliable identification of this product cannot be achieved.

#### METALS PARAMETERS TOTAL METALS

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Client Name: DAMES AND MOORE

Client ID: BH-22

Matrix: Waste

Laboratory ID: 67196-003

Enseco ID: 67196-003

Sampled: 04/21/88 Received: 04/22/88

Authorized: 04/22/88

Parameter	<u>Result</u>	Units (as <u>received)</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Antimony	<b>N</b> .D.	mg/kg	5	6010	04/29/88
Arsenic	N.D.	mg/kg	0.3	7060	05/06/88
Barium	9.4	mg/kg	0.5	6010	04/29/88
Beryllium	N.D.	mg/kg	0.1	6010	04/29/88
Cadmium	N.D.	mg/kg	0.5	6010	04/29/88
Chromium	N.D.	mg/kg	1	6010	04/29/88
Cobalt	N.D.	mg/kg	1	6010	04/29/88
Lead	N.D.	mg/kg	5	6010	04/29/88
Mercury	N.D.	ug/kg	50	7471	04/29/88
Nickel	N.D.	mg/kg	4	6010	04/29/88
Selenium	N.D.	mg/kg	0.2	7740	05/05/88
Vanadium	N.D.	mg/kg	1	6010	04/29/88

N.D. = Not detected

Approved by: Will Pratt

### **INORGANIC PARAMETERS**

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Client Name: DAMES AND	) MOORE				
Client ID: BH-22			·		
Laboratory ID: 67196-003		Enseco ID:	67196-003		
Matrix: Waste	Sampleo	1: 04/21/88	Received:	04/22/88	
Authorized: 04/22/88				·	
Parameter	Result	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Oil Water Solids	93.7 2.0 4.3	% % %	0.1 0.1 0.1		05/03/88 05/03/88 05/03/88

N.D. = Not detected

Approved by: Lindsay Breyer

#### SOILS NEAR FUEL OIL TANK

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(SITE 2)

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# **AROMATIC VOLATILE ORGANICS**

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#### EPA METHOD 8020

Client ID: BH-10 12'

Matrix: Solid	Sampled: 04/17/88	Rece	ived: 04/19/88	
Authorized: 04/19/88	Analyzed: 04/28/88			
Parameter	Res	<u>ult</u>	Units (as <u>received)</u>	Reporting <u>Limit</u>
Benzene	41	0	ug/kg	200
Chlorobenzene	N	.D.	ug/kg	200
1,2-Dichlorobenzene	N	.D.	ug/kg	200
1,3-Dichlorobenzene	N	.D.	ug/kg	200
1,4-Dichlorobenzene	N	.D.	ug/kg	200
Ethylbenzene	1000	0	ug/kg	200
Toluene	87	0	ug/kg	200
m-Xylene	6300	0	ug/kg	200
o & p-Xylene(s)	1300	0	ug/kg	200

N.D. = Not detected

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Reported by: Helmer Morse

Approved by: Susan Brillante

Sample: 67161-004

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#### **INORGANIC PARAMETERS**

	Client Name: DAMES ANI	) MOORE				
	Client ID: BH-10 15'					
	Laboratory ID: 67161-005		Enseco ID:	67161-005		
	Matrix: Solid	Sampleo	1: 04/17/88	Received:	04/19/88	
	Authorized: 04/19/88					
<u>Dr</u>	ameter	Result	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
0i1		0.7	%	0.1		05/03/88
		15.0	0/	0.1		
Wai	ter	15.8	%	0.1		05/03/88

N.D. = Not detected

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Approved by: Lindsay Breyer

# CRUDE OIL TANK ANALYSES

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(MATERIAL IN DRUMS)

(SITE 3)

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COMMERCIAL TESTING & ENGINEERING CO.



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 490 ORCHARD ST., GOLDEN, CO 80401 TELEPHONE: (303) 278-9521 FAX: (303) 278-1779

Conservation Services Inc. 777 West 62nd Avenue Denver, Colorado 80216 Date: February 23, 1990 IAD #97-120870-01 Received: 02/22/90

Attention: Mr. Mark A. Molen

Material: Oil Sludge (From Crude Oil Tank Bottom)

Procedure: EP Toxicity per EPA Reference SW-846, <u>Test Methods for</u> <u>Evaluating Solid Wastes</u>.

Results: EP Toxicity results are reported as milligrams per liter, (mg/L), on an extract basis.

The weight of the sample prepared for the analysis is reported in grams (gm).

The volume of 0.5N acetic acid required for the pH adjustment of the extract is reported in milliliters (ml).

The volume of de-ionized water added and final volume of the extract are also reported in milliliters (ml).

The initial and final pH values of each extract are reported directly.

If you have any questions concerning these results, please feel free to call.

Byrøn C. Øaton | Laboratory Manager

dld/csi0870

Conservation Services Inc. IAD #97-120870-01 February 23, 1990 Page 2

# EP Toxic Extract Elements

1

Parameter	03486
Cadmium, Cd Chromium, Cr Lead, Pb	<0.01 0.07 0.20
Sample Weight	101.6
Volume of 0.5N Acetic Acid required for pH adjustment	66
Volume of deionized water added to the extract	1934
L. C. PH	10.3
Final pH	5.1

COMMERCIAL TESTING & ENGINEERING CO.

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#### CONSERVATION SERVICES, INC. LABORATORY WORKSHEET

CUSTOHER: CLOCKY Min. Const. CONTACT: - 03486 MANIFEST NO .: WASTE CODE: CO-01-RECIEVED: DATE 2/20/40 TIME VOLUHE Jani bottom studge PHYSICAL STATE (top to bottom 1 2 3 4) LIQUID Z SOLID Z OIL Z /SLUDGE 10 Z OTHER DESCRIPTION COLOR Hack ODOR mild LOOK Oil sludge 9-46 [] 16/cu.yd N/16/gal [] g/cc 113.479-100m DENSITY MISCIBILITY Miscible in water? [] yes N no SOLUBILITY Soluble in water? [] very [] slight [] none IGNITABILITY ZLEL at OF CLOSED CUP FLASH POINT 7/50 °F CORROSIVITY INITIAL pH  $\& \ (/ O \ % \ sample \ solution)$ REACTIVITY Any reactions with [] AIR [] WATER [] KILN DUST ACID ADJUST: 20 ml of a (-0) x sample solution took (D ml of 10% HCl, final pH /.) REACTIONS now BASE ADJUST: 20 ml of a  $(\bigcirc \chi )$  sample solution took 1.) ml of 10% NaOH, final pH 12-6 REACTIONS none SULFIDES Spot test ( ) positive ( ) negative QUANTITATIVE -CYANIDES QUANTITATIVE ANHONIA QUANTITATIVE CHLORIDES Spot test [|very [|slight Nhone RADIOACTIVITY Greater[] or Less / than background SUSPENDED SOLIDS After Centrifuge \_\_\_\_\_ % of total volume X VISCOSITY \_\_\_\_\_\_cp (centipoises) HOISTURE COMMENTS Quant none-sample jaubroke during move. AHOUNT OF SAMPLE REMAINING ll'Morder DATE 2 ANALYST (

CUSTOMER: Nochy Mtn. Const. DATE: 2/21/90 WASTE CODE: CO-01 03480
SOLIDIFICATION REQUIREMENTS
KILN DUST TYPE M.M. WEIGHT OF WASTE SO MLS= 567 gram)
WASTE/WATER RATIO 50 Z WASTE 50 Z WATER RATIO FIGURES START: 200 MLS KD= $264.2$ G FINISH: 1567 MLS KD= $207.0$ G TOTAL: 43.3 MLS KD= $57.2$ G 264.2 200 MLS KD = $\frac{154.0}{207.0}$ G KD x= 156.7 207.0 x 207.0 g. dust (eff)
KILN DUST TYPE WEIGHT OF WASTEMLS=
WASTE/WATER RATIO $\chi$ WASTE $\chi$ WASTERATIO FIGURESSTART:MLS KD=GFINISH:MLS KD=GTOTAL:MLS KD=G200 MLS KD=154.0 G KDx=
RATIO 0.45 VOLUME INCREASE 1.25
COMMENTS
NEUTRALIZATION REQUIREMENTS STARTING SAMPLE VOLUME TITRANT USED: START FINISH MLS USED FINAL pH
To get a pH of approximately gallons of is needed for each of waste.
ANALYST Commander DATE 2/21(90

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The CONSERVATION SERVICES, INC.	Collected by: (Sampler) (Signature)	
OFFICES FACILITY 2090 E. 104th Ave. 41800 East 88th Ave.	Employer of Sampler Address	Jcker A Telephone
Derver, CU 80233 Definent, CU 90102 (303) 280-9336 (303) 644-4335 FAX 280-9848	ridme: Als. Coustrat.	Telephone Telephone 3,542
	Bet Na / W. Control No. CSI Lab Control No.	dition/Temp of Sample
CHAIN OF CUSTODY RECORD ANALYTICAL SERVICES REQUEST	CSI Gustomer No.	Priority & S. Kun
	TTYPE/ PHASE / ANALYSIS REQUESTED	/ FIELD TEST RESULTS
	1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	
DATE SAMPLE IDENTIFICATION SAMPLED TIME	\$ \\ \cdot \cdot \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CONTROL
12.2 (met. 5/1.11. 2-14-50 9:00		03480
COMMENTS Split ouiginal SA	sample and sent to CTE for Ep	Jox an 2/21/90
FIELD INFORMATION		AHON NOND
adur -	REPRESENTING: <u>CST</u> TO WHOM: <u>Creep</u> REPRESENTING: <u>CST</u> TO WHOM: <u>Mareur</u> REPRESENTING: <u>TO WHOM</u> : TO WHOM:	DATE/TIME: 2,20-90 15,10 DATE/TIME: 2,22960-412010-M

## **AROMATIC VOLATILE ORGANICS**

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#### EPA METHOD 8020

Client ID: BH-3 5'-7'							
aboratory ID: 67161-011 Enseco ID: 67161-011							
Matrix: Solid	Sampled: 04/17/88	ceived: 04/19/88					
Authorized: 04/19/88							
Parameter	Resu	<u>lt</u>	Units (as <u>received)</u>	Reporting <u>Limit</u>			
Benzene	5200	)	ug/kg	500			
Chlorobenzene	N.1	<b>)</b> .	ug/kg	500			
1,2-Dichlorobenzene	N.)	Э.	ug/kg	500			
1,3-Dichlorobenzene	<b>N</b> .1	).	ug/kg	500			
1,4-Dichlorobenzene	N.	Э.	ug/kg	500			
Ethylbenzene	26000	)	ug/kg	500			
Toluene	13000	)	ug/kg	500			
m-Xylene	17000	)	ug/kg	500			
o & p-Xylene(s)	90000	)	ug/kg	500			

N.D. = Not detected

Reported by: Helmer Morse

Client Name: DAMES AND MOORE

Approved by: Susan Brillante

#### **INORGANIC PARAMETERS**

Client Name: DAMH	ES AND MOORE
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Client ID: BH-3 5'-7'

Laboratory ID: 67161-011

Enseco ID: 67161-011

Matrix: Solid	Sampleo	1: 04/17/88	Received:	04/19/88	
Authorized: 04/19/88					
Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Oil	1.5	%	0.1		05/03/88
Water	14.0	%	0.1		05/03/88
Solids	84.5	%	0.1		05/03/88

N.D. = Not detected

Approved by: Lindsay Breyer

Sample: 67161-011

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#### METALS PARAMETERS EPI TOXICITY METALS

Sampled: 04/17/88

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Client ID: BH-3 11'

Laboratory ID: 67161-012

Enseco ID: 67161-012

Received: 04/19/88

Matrix: Solid Authorized: 04/19/88

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Arsenic	N.D.	mg/L	0.1	200.7	05/02/88
Barium	2.7	mg/L	0.005	200.7	05/02/88
Cadmium	N.D.	mg/L	0.005	200.7	05/02/88
Chromium	N.D.	mg/L	0.01	200.7	05/02/88
Lead	N.D.	mg/L	0.05	200.7	05/02/88
Mercury	N.D.	ug/L	1	245.1	04/29/88
Selenium	N.D.	mg/L	0.02	7740	05/05/88
Silver	N.D.	mg/L	0.005	200.7	05/02/88

N.D. = Not detected

Approved by: Will Pratt

Sample: 67161-012

EASTERN SLUDGE PIT SOIL/SLUDGE ANALYSES (SITE 4)

Enseco

#### SAMPLE DESCRIPTION INFORMATION for Dames and Moore

			Sample	ed	Received
Lab ID	Client ID	Matrix	Date	Time	Date
	(Eastern Sludge Pit MESP-SLI Sludge) MESP-Sol (Eastern Sludge Pit Soils, 0.5 to 5.0 fe	SOIL SOIL et)			20 JAN 90 20 JAN 90

.

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General Inorganics

Client Name: Client 1D: Lab ID: Matrix: Authorized:	Dames and Moore MESP-SL1 008144-0001-SA SOIL 20 JAN 90	Sample	10: 1064809 ed: 18 JAN 9 ed: See Belo		ved: 20 JAN s zed: See Belo	90 Iw
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cyanide, Read Ignitability Oil and Greas pH Sulfide, Read Total Petrole Hydrocart	>160 se 129000 7.2 tive ND	mg/kg deg. F mg/kg units mg/kg mg/kg	0.1 100 0.5 50	EPA/OSW 1010/1020 9070 Mod. 9045/ASTM EPA/OSW 9070	NA NA NA NA NA	23 JAN 90 23 JAN 90 24 JAN 90 23 JAN 90 23 JAN 90 23 JAN 90 23 JAN 90

Note o : This test is unreliable for any sample other than a non-aqueous liquid. ND = Not detected NA = Not applicable

Reported By: Ron Maiorana

Approved By: Kimberly Conroy

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#### Metals

EP Toxicity Leachate

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MESP-SL1 008144-0001-SA SOIL 20 JAN 90	Sampl	1D: 1064809 ed: 18 JAN 9 ed: See Belo		ived: 20 JAN 9 yzed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic Barium Cadmium Chromium Lead Silver Mercury Selenium	ND 0.10 ND ND 0.18 ND ND ND ND	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.1 0.01 0.005 0.01 0.05 0.01 0.002 0.05	6010 6010 6010 6010 6010 6010 7470 7740	24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90	25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90

ND = Not detected NA = Not applicable

Reported By: Fred Velasquez

Approved By: Kimberly Conroy

					Ense	CO
		DESCRIPTIO for Dames and		ATION		
Lab ID	Client ID	М	latrix	Sampled Date Time	Received e Date	
009523-0001-SA	ESP-Soil	S	OIL	05 MAY 90 04:0		
2						
-						
-						
1						

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General Inorganics

Client Name: Dames Client ID: XESP- Lab ID: 00814 Matrix: SOIL Authorized: 20 JA	Sol 4-0002-SA	Sample	0: 1064810 2d: 18 JAN 9 2d: See Belo		ved: 20 JAN 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cyanide, Reactive Ignitability Oil and Grease pH Sulfide, Reactive Total Petroleum Hydrocarbons	ND >160 20300 7.7 ND 2560	mg/kg deg. F mg/kg units mg/kg mg/kg	0.1 100 	EPA/OSW 1010/1020 9070 Mod. 9045/ASTM EPA/OSW 9070	NA NA NA NA NA	<ul> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>24 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> <li>23 JAN 90</li> </ul>

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

ND = Not detected NA = Not applicable

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Reported By: Ron Maiorana

Approved By: Kimberly Conroy

Benzene, Toluene, Ethyl Benzene and Xylenes (BTX)

Enseco

Method 8020

	Dames and Moore ESP-Soil 009523-0001-SA SOIL 15 MAY 90	Enseco ID: 1075 Sampled: 05 M Prepared: NA		Received: 08 Analyzed: 16	
Parameter		Resul	Wet wt t Units		
Benzene Toluene Ethylbenzene Xylenes (tot		ND ND ND ND	ug/kg ug/kg ug/kg ug/kg	50 50	

ND = Not detected NA = Not applicable

Reported By: Janet Heida

Approved By: Kim Zilis

EP Toxicity Leachate

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MESP-Sol 008144-0002-SA SOIL 20 JAN 90	Sample	D: 1064810 d: 18 JAN 9 d: See Belo		ived: 20 JAN 90 yzed: See Belov	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic Barium Cadmium Chromium Lead Silver Mercury Selenium	ND 1.6 ND ND ND ND ND ND ND	mg/l mg/l mg/l mg/l mg/l mg/l mg/l	0.1 0.01 0.005 0.01 0.05 0.01 0.002 0.05	6010 6010 6010 6010 6010 6010 7470 7740	24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 24 JAN 90 - 24 JAN 90 24 JAN 90	25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90 25 JAN 90

;

ND = Not detected NA = Not applicable

Reported By: Fred Velasquez

Approved By: Kimberly Conroy

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Enseco

#### ANALYTICAL RESULTS FOR TOTAL CHROMATOGE PHALLE ORGANICS

	lge Pit Sludge) Enseco ID: mpled: 04/21/88 repared: 04/27/88	67196-006 Received: Analyzed:	04/22/88 04/29/88
Total Chromatographable Organic Initial Boiling Point* Final Boiling Point* Gasoline Stoddard Solvent Jet Fuel Kerosene Diesel Motor Oil	<u>Value</u> cs 130,000,000 170 500 ND ND ND ND ND ** ND	Units ug/kg oC oC ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	Detection Limit 170,000 1,400,000 1,400,000 1,400,000 1,400,000 1,400,000 1,400,000

- \* The initial and final boiling points define the range of compounds detected. The method is capable of detecting compounds between 100°C and 500°C.
- \*\* Primary components of this product were detected in the sample. Due to the overall complexity of the chromatogram, reliable identification of this product cannot be achieved.

04/29/88

#### METALS PARAMETERS TOTAL METALS

Client Name: DAMES AND MOORE

Client ID: BH-26

Silver

Laboratory ID: 67196-006

Enseco ID: 67196-006

0.5

6010

Sampled: 04/21/88 Received: 04/22/88 Matrix: Waste Authorized: 04/22/88 Reporting Units (as Analytical Limit Method Parameter Result received) Analyzed Arsenic 9.0 0.6 7060 05/06/88 mg/kg 0.5 Barium 6010 04/29/88 63 mg/kg Cadmium 0.5 6010 04/29/88 N.D. mg/kg Chromium 12 1 6010 04/29/88 mg/kg Lead 98 5 6010 04/29/88 mg/kg 50 Mercury N.D. ug/kg 7471 04/29/88 Selenium 0.2 7740 05/05/88 N.D. mg/kg

mg/kg

N.D.

N.D. = Not detected

Approved by: Will Pratt

### INORGANIC PARAMETERS

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### Client Name: DAMES AND MOORE

Client ID: BH-26

SWITT CARLES

**III** 

Laboratory ID: 67196-006

Enseco ID: 67196-006

Matrix: Waste Authorized: 04/22/88	Sampled	1: 04/21/88	Received:		
Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Oil Water Solids	51.3 9.0 39.7	% % %	0.1 0.1 0.1		05/03/88 05/03/88 05/03/88

N.D. = Not detected

Approved by: Lindsay Breyer

Sample: 67196-006

### COMPOSITE SURFICIAL SLUDGE/SOIL

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(SITES 1,2 AND 3)

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### COMMERCIAL TESTING & ENGINEERING CO.

BENERAL OFFICES: 1918 SOUTH HIGHLAND AVE., SUITE 210-8, LOMBARD, ILLINOIS 60148 + (708) 953-9300

Nember of the 80.8 Group (Sociald Generals de Surveyance)

PLEASE ADDR556 ALL COARESPONDENDE TO: 400 ORCHARD ST., GOLDEN, CO 80401 TELEPHONE: (303) 171-0621 PAX: (309) 174-1770

Conservation Services Inc. 777 West 62nd Avenue Denver, Colorado 80216 Date: July 11, 1990 IAD #97-129880-01 Received: 07/05/90

Attention: Mr. Mark A. Molen

Material: Oil (Surficial Sludge, Sites 1,2,3)

Procedure: EP Toxicity per EPA Reference SW-846, Test Methods for Evaluating Solid Wastes.

Regults: EP Toxicity results are reported as milligrams per liter, (mg/L), on an extract basis.

> The weight of the sample prepared for the analysis is reported in grams (gm).

The volume of 0.5N acetic acid required for the pH adjustment of the extract is reported in milliliters (ml).

The volume of de-ionized water added and final volume of the extract are also reported in milliliters (ml).

The initial and final pH values of each extract are reported directly.

If you have any questions concerning these results, please feel free to call.

Byron C. Cato Bypon C. Caton

Laboratory Manager

d1d/cs19880

OVER 40 BRANCH LASORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS. TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING PACILITIES Conservation Services Inc. IAD #97-129880-01 July 11, 1990 Page 2

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### EP Toxic Extract Elements

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Parameter	03847
Arsonic, As	10 0
Albonic, As Barium, Ba	<0.2
Cadmium, Cd	<0.01
Chromium, Cr	<0.02
ouromium, cr	<b>NU</b> . UA
Lead, Pb	<0.05
Mercury, Hg	<0.0002
Selenium, Se	<0.2
Silver, Ag	<0.01
	10104
Sample Weight	100.0
Volume of 0.5N Acetic Acid	
required for pH adjustment	Ó
-	
Volume of deionized water	
added to the extract	2,000
Final volume of the extract	2,000
Initial pH	4.3
Final pH	4.4.

COMMERCIAL TESTING & ENGINEERING CO.

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### CONSERVATION SERVICES, INC. LABORATORY WORKSHEET

CUSTOHER: ROCKY MIN.	CONST.	CONTACT:
WASTE CODE: CO-01-	-03847	MANIFEST NO.:
RECIEVED: DATE 7-3-90	TINE	VOLUKE

CLOSED CUP FLASH POINT  $\geq 150$  of CORROSIVITY INITIAL pH 7.5 (1.0 % sample solution): REACTIVITY Any reactions with {] AIR [] WATER [] KILN DUST

> ACID ADJUST: 20 ml of a <u>1.0</u> Z sample solution took <u>1.0</u> ml of 10Z HCl, final pH <u>2.0</u> REACTIONS none

> BASE ADJUST: 20 ml of a 1.0 % sample solution took 1.0 ml of 10% NaOH, final pH 12.5 REACTIONS none

SOLFIDES	Spot test []positive []	negative QUANTITATIVE -
CYANIDES	QUANTITATIVE -	ARHONIA QUANTITATIVE
CHLORIDES	Spot test []very []sli	ght klnone
RADIOACTIV	VITY Greater[] or Less[	t then background
SUSPENDED	SOLIDS After Centrifug	e % of total volume
HOISTURE	Z VISCOSITY	cp (centipoises)
COMMENTS A comp	Sludge liquifies durin osite of the 3 samples s	ubmitted was used for this analysis;
AHOUNT OF	SAMPLE BEHAINING	1t.
ANALYST (	al. Maroles 1	DATE 7-10-90

CUSTOMER: RUCKI MIN. CC	DNST. DATE: $7-11-90$
WASTE CODE: CO-01-	DNST. DATE: $7-11-90$ -03647
SOLIDIFICATION REQUIREM	(ENTS
KILA DUST TYPE M.M.	WEIGHT OF WASTE 45 MLS=53.2 grams
WASTE/WATER RATIO 45	X WASTE 55 X WATER
RATIO FIGURES START:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
FINISH:	$151.55_{MLS}$ KD= $200.2$ G
264	.2 <u></u>
<u>200 RH3 RD</u> <u>111</u>	.2 g. dust left
	_
KILA DUST TYPE	WEIGHT OF WASTEHLS=
WASTE/WATER RATIO	X WASTEX WATER
RATIO FIGURES START:	MLS KDG
RATIO FIGURES START: FINISH: TOTAL:	HLS KD=G
TOTAL:	MLS KD=G
	4.0 G KD X=
×	
RATIO 0.5	VOLUME INCREASE 1.25
CONNENTS	
CONNENTS	
CONMENTS	
CONMENTS	
NEUTRALIZATION REQUIRE	MENTS
NEUTRALIZATION REQUIRE	MENTS
NEUTRALIZATION REQUIRE	
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED:	MENTS
NEUTRALIZATION REQUIRE	MENTS
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED:	MENTS
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE To set a pH of	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE To set a pH of	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE  To get a pH of is needed for each	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE  To get a pH of is needed for each	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE  To get a pH of is needed for each	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE To get a pH of is needed for each COMMENTS	MENTSSTART FINISH MLS USED FINAL pH
NEUTRALIZATION REQUIRE STARTING SAMPLE VOLUME TITRANT USED: INDICATOR TYPE To get a pH of is needed for each COMMENTS	MENTSSTART FINISH MLS USED FINAL pH

APPENDIX D DOCUMENTATION: LABORATORY DATA RESULTS: POST-EXCAVATION, COMPOSITED SOIL SAMPLES

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### APPENDIX D

### DOCUMENTATION: LABORATORY DATA RESULTS: POST-EXCAVATION, COMPOSITED SOIL SAMPLES

As required by the OCD (Bill Olson), representative soil samples were taken at each of the 5 excavated sites following excavation of the sludges and contaminated soils at these sites. Composited samples were also taken of the aerated soils within the slurry wall. Soil samples were placed in glass jars and filled to the top to minimize volatilization of the organic constituents. Samples were kept cool and sent immediately to Data Chem Laboratory for analyses.

The laboratory data reports are included herein, and the results are summarized in Table D-1. Data Chem Laboratory of Salt Lake City, Utah (an EPA contract laboratory) conducted the analyses as per the methodologies indicated on their reports. TABLE D-1

# LABORATORY RESULTS FOR DETECTED CONSTITUENTS FROM POST-EXCAVATION COMPOSITED SOILS TAKEN AT THE ON-SITE EXCAVATIONS AND FROM SHALLOW SOILS INSIDE THE SLURRY WALL AREA<sup>(1)</sup>

## (ORGANIC PARAMETERS)

Sample Site Designation	Volatiles	les			Total Petroleum
And Depth Sampled (in feet)	Total Xylene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Benzene (mg/kg)	Hydrocarbons (mg/kg)
Site 1 (05)	< .10 <sup>(2)</sup>	< .05	< .05	< .05	2,100
Site 2 (05)	2.0	< .05	< .05	< .05	21,000
Site 3 (05)	34.0	1.0	< .05	< .05	21,000
Site 4 (05)	.40	< .05	< .05	< .05	2,400
Site 5 (05)	.40	< .05	.07	< .05	11,000
(2 0) N1#WS	< .10	< .05	< .05	< .05	50
SW#2C (05)	< .10	< .05	< .05	< .05	370
SW#3S (05)	< ,10	< .05	< .05	< .05	<10

For locations of sites see Plate 2

TABLE D-1 (Continued)

## (METAL PARAMETERS)<sup>(1)</sup>

-Toxicity	Ba Cd Cr Pb Hg Se Ag	<0.05	<0.05	<0.05	<0.05	<0.05
/1) EP	Se	<0.3	<0.3	<0.3	<0.3	<0.3
ions (mg.	Нg	<pre>&lt;0.3 1.1 &lt;.05 &lt;.05 &lt;0.3 &lt;.0002 &lt;0.3 &lt;0.05</pre>	<.05 <0.3 <.0002 <0.3 <0.05	<.05 <0.3 <.0002 <0.3 <0.05	<.05 <0.3 <.0002 <0.3 <0.05	<.05 <0.3 <.0002 <0.3 <0.05
entrat	Ч	<0.3	<0.3	<0.3	<0.3	<0.3
ls Conc	Cr	<.05	<.05	<.05	<.05	<.05
ed Meta	Cd	<.05	9 <.05	0.9 <.05	1.0 <.05	1.2 <.05
Leach	Ba	1.1	1.9	0.9	1.0	1.2
	As	<0.3	<0.3	<0.3	<0.3	<0.3
Sample Site Designation And Depth Sampled	(in feet)	Site 1 (05)	Site 2 (05)	Site 3 (05)	Site 4 (05)	Site 5 (05)
Sam Des And D		Site	Site	Site	Site	Site

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Footnotes:

351

Samples taken on August 31, 1990 after site excavation. < Indicates below the detection (reporting) limit. The parameters abbreviated are as follows: As Arsenic Pb Lead Ba Barium Hg Mercury Cd Cadmium Ag Silver



ENVIRONMENTAL SOIL REPORT

Form EPRS-A Page 1 of 2 Part 1 of 1

Date	- 9]	18/91	0		
Agency Ide	ntific	ation N	Number <u>S90</u>	<u>-0752-BC</u>	
Account No	030	18			

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

Sampling Collection and Shipment Sampling Site <u>Maverik Kirtland, NM</u> Date of Collection <u>August 31, 1990</u>

Date Samples Received at DataChem September 03, 1990

Analytical Results

	ts A Method L	SITE 1 EJ 4513	SITE 2 EJ 4514	SITE 3 EJ 4515	SITE 4 EJ 4516	SITE 5 EJ 4517			Limit of Detection
Total Petroleum Hy 09/14/1990	µg∕g	2,100	21,000	21,000	2,400	11,000			10
418.1 [1] 355	0 [2]								
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See comment o ND Parameter not NR Parameter not <sup>1</sup> Analyses comp	detected. requested.	efore th	is date.	** Pa ( ) Pa [ ] Me Roj	rameter rameter thod Ref	not anal between erence (	yzed (Se LOD and See comm	e commen LOQ. ents pag	t page). e.)
			An	alyst: Ro	man	I. Hanks	hinste	Eusen	
			Re	viewer:	Norman K	. Christ	Insen	isten	sen.
	,		La	boratory	Supervi	sor: Nori	K CI	ristense	

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700



0 Date . Agency Identification Number S90-0752-BC

Method Index -- Method Reference --

[1] EPA-600/4-79-020 "Methods for Chemical Analysis of Water and Wastes", March 1983 (Modified for use with soils.)

[2] SW-846 "Test Methods for Evaluating Solid Waste", September 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700

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1. 🗌 REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE AS W. CONFIRMATION WITH DATACUTE REQUIRED FOR SCHEDULING AND PRICING

Purchase Order No. 14819-005-5304 2. Date 8/ & MOORE DAMES 3. Company Name Su, te 300 コチ 5. 500 Address. 102 9 SLC 8 19 < r 11 Person to Contact a Telephone (80) Billing Address (if different from above)

4. Sample Collection
Sampling Site MAVERIK KIRTZAND NM
Industrial Process Petroleum Refineny
Date of Collection 8/31/90
Time Collected
Date of Shipment 8/3//90
Chain of Custody No.

م. م

### 5. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)	ANAL	YSES REQUESTED - Use Method Num	ber if Known		
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4519	SW#ZC	Soil	402	BTEX	per 50,1 52,	mple)		
+ +520	5w#35	Soil	402	BTEX				
*Specify: Solid sorbe	nt tube, e.g. Charcoal	; Filter type; Imp	inger solution; Bulk S	Sample; Blood; Urine; Tiss	ue; Soil; Water; Other			
6. Q C REQUIREMENTS MUST BE COMPLETED - See General Services Terms and Conditions: QC samples billed at regular sample rate       Image: METHOD QC SAMPLES (Lab QC according to published methods)       Image: OTHER (as specified below)         Image: METHOD QC SAMPLES       Image: Condition (Lab QC according to published methods)       Image: Condition (Lab QC according to provided QA/QC Plan)       Image: Condition (Lab QC according to provided QA/QC Plan)         Image: Condition (Lab QC according to provided QA/QC Plan)       Image: Condition (Lab QC according to provided QA/QC Plan)       Image: Condition (Lab QC according to provided QA/QC Plan)								
(May not conform to Agency requirements)								
comments Need Results By Sept. 17th 90								
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		othe	Cost	#	2036			
Possible Contamir	ation and/or Chem	nical Hazards						
7. Requested	Dy	VAN	PELL					
			Lake City, UT 84 / Cincinnati, OH		35 or 801- 266-7700 / FAX: 801-26 493 or 513-733-5336 / FAX: 513-73			
		DA	TACHEM LABOF	ATORIES - A SOREN	SON COMPANY			
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ENVIRONMENTAL SOIL REPORT

Form EPRS-A Page 1 of 2 Part 1 of 1

Date \_

Agency Identification Number <u>S90-0807</u> Account No. <u>03018</u>

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

### Sampling Collection and Shipment

Sampling Site \_\_\_\_\_ Date of Collection August 31, 1990\_\_\_\_

Date Samples Received at DataChem September 19, 1990

### Analytical Results

Parameter Name Analysis Date Units Method Prep Method a	Lab Nu Sw#1N EJ 487	SW#2C EJ 4874	SW#3S EJ 4875					<pre>* Limit of Detection</pre>		
Total Petroleum Hydrocarbon $09/20/1990$ $\mu$ $418.1$ $11$ $3550$ $21$	s g∕g 50	370	ND*					10		
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·										
<pre>f See comment on last page. ND Parameter not detected. NR Parameter not requested. ' Analyses completed on or before this date. ' Analyses completed on or before this date.</pre> ** Parameter not analyzed (See comment page). () Parameter between LOD and LOQ. [] Method Reference (See comments page.) ' Analyses completed on or before this date.										
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		Re	viewer:	Norman K	Christ	Insen	tense	<del></del>		
		La	boratory	Supervi	GOT: NOTI	nan K. Cl	nristense	en		

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700



### ENVIRONMENTAL SOIL REPORT

Date \_

Form EPRS-C Page 2 of 2

Agency Identification Number \$90-0807

Method Index -- Method Reference --

[1] EPA-600/4-79-020 "Methods for Chemical Analysis of Water and Wastes", March 1983 (Modified for use with soils.)

[2] SW-846 "Test Methods for Evaluating Solid Waste", September 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700

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Part of the term of term of ter	ATION WITH DATACHEM LABORATORIES RED FOR SCHEDULING AND PRICING apple Collection g Site
	g Site
Date of         Person to Contact       I Eller Under	Collection llected Shipment Custody No
Telephone ( )       Date of         Billing Address (if different from above)       Chain of         Chain of       Chain of         Constraint       Sample Volume         Laboratory       Client Sample         Mumber       Type         Laboratory       Client Sample         Mumber       Type         (Liters)       ANALYSES         CS + 3 2 3       SW #/W         SW #/W       SOIC         FX 3 7 4       SW #/L C         Y 3 7 5       SW # 35         Y 3 7 5       SW # 35         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V         Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil, V	Shipment Custody No
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at regular sample rate INO QC SAMPLES REQUESTED	
(May not conform to Agency requirements)	
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BETX (590-0752-CC)	· - · · · · · · · · · · · · · · · · · ·
Possible Contamination and/or Chemical Hazards	
7. Requested by	
	l- 266-7700 / FAX: 801-268-9992 3-733-5336 / FAX: 513-733-5347
DATACHEM LABORATORIES - A SORENSON CO	

## ANALYTICAL REQUEST FORM



### ANALYTICAL REPORT

Form ARF-AL Page 1 of 2 Part 1 of 1

Date .

Agency Identification Númber <u>S90-0752-CC</u> Account No. <u>03018</u>

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

### Sampling Collection and Shipment

Sampling Site Maverik Kirtland, NM Date of Collection August 31, 1990

Date Samples Received at DataChem September 03, 1990

### Analysis

Method of Analysis 8020

Date(s) of Analysis September 13, 1990

Analytical Results

Field Sample Number	DataChen Lab Number	Sample Type	Benzene µg∕g	Ethyl Benzene µg/g	Toluene µg∕g	Xylene μg/g				
SITE 1	EJ 4513	SOIL	ND*	ND*	ND*	ND*				
SITE 2	EJ 4514	SOIL	ND*	ND*	ND*	2.				t
SITE 3	EJ 4515	SOIL	ND*	1.	ND*	34.				t
SITE 4	EJ 4516	SOIL	ND*	ND*	ND*	. 4				Π
SITE 5	EJ 4517	SOIL	ND*	ND*	.07	. 4				
SW#1N	EJ 4518	SOIL	ND*	ND*	ND*	ND*				
SW#2C	EJ 4519	SOIL	ND*	ND*	ND*	ND*				1
SW#35	EJ 4520	SOIL	ND*	ND*	ND*	ND*	1			
* Limit of	Detection		.05	.05	.05	.10		<b>       </b>		
									 	· · ·
						<u> </u>		+	 	

T See comment on last page. ND Parameter not detected. NR Parameter not requested. \*\* Parameter not analyzed (See comment on last page).
 ( ) Parameter between LOD and LOQ.

homo Analyst: athler Reviewer: Kathleen A. Knaub 20 Laboratory Supervisor: Terry R. Vayo

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700

ANALYTICAL REPORT

Form ARF-C Page 2 of 2



Date \_\_\_\_\_\_9/2/90\_\_\_\_

Agency Identification Number S90-0752-CC

**General Set Comments** 

LOD set according to dilution for individual samples. See sample comments. Positive results for Toluene and Ethylbenzene were within the calculated retention time windows. However, samples contained a large number of interfering hydrocarbon peaks.

-- Comment --

Sample Comments

DataChem Lab Number

EJ 4514	LOD: $B, E, T = .5 X = 1$ .
EJ 4515	LOD: $B, E, T = .5 X = 1$ .
EJ 4519	LOD: B, É, $T=.5 X=1$ .

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Date Extracted: 9.6.90 Date Digested: 9.13.90 Date Analyzed: 9.13.90		EP Tox metals)		Received by: (Signature) 10m Svs. ch Received by: (Signature) Received by: (Signature)	Received by: (Signature) Received by: (Signature)	ntel/rt/1 G381V3A
	EPTOX	(418,1), 1-		Date/Time ۹.اه مار والم Date/Time Date/Time	Date/Time Date/Time	ah 84123
JSTODY RECORD	1 1 LEX CLIPH	er of Remarks I-TPH	-1 1-8 EX	Relinquished by: (Signature) Somoo Stowne Relinquished by: (Signature) Relinquished by: (Signature)	Relinquished by: (Signature) Relinquished by: (Signature)	– Signature:
N OF CUS		Sample Number of Matrix Containers		(Signature)	Received by: (Signature)	DataChem Laboratorics/ 900 West Le Voy
CHAJ	sor: Les AMoove	DCL Sample Number(s) (ご ア 455)3 45513 45513 45513	4517 4518 4519 4519	ime O & 3,6 ime	Time Time	ataChem Laborato
	DCL Set ID: Sponsor: S900753 (James ent:	Field ID Number S (re) 3	L 5 Sw + 1 L #3C L #3C	0 0 0 0 0	(Signature) Date/	
	Account: D( 3 0 ( B S 9 Field Comment:	Sampled o 2 - 3 1-90		Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature)	Relinquished by: (Signature) Relinquished by: (Signature)	Final Disposition:

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1. 🗆 REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE CONFIRMATION WITH DATACHEM LABORATORIES REQUIRED FOR SCHEDULING AND PRICING

Purchase Order No. 14819-005-5304 2. Date 8/3 ۵ & MOORE 3. Company Name DAMES Su, te 300 - **S**. 500 E. Address\_\_\_ ルチ SLC, 102 -195 9 2ndell Person to Contact 9 7 Telephone (801) Billing Address (if different from above)

4. Sample Collection
Sampling Site MAVERIKAKIRTEAND, NM
Sampling Site <u>MAVERIK_KIRTEAND, NM</u> Industrial Process <u>Petroleum</u> <u>Petineny</u>
Date of Collection 8/31/90
Time Collected
Date of Shipment 8/3//90
Chain of Custody No

### 5. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)								
=34513	SITEAL	Soil	802 Amber	BTEX, TPH (418.1), EP TOX Metals							
14514	SITE 2	Soil	-	ME (Composite of 10 samples							
4515	SITE3	5011	SA	ME per SITE)							
4516	SITE 4	Soil	5A	ME							
44517	Sires	~~	**								
1 4518	5w#1N	Soil	402	BTEX (Composite of 10 szmples							
4519	SW#ZC	Soil	402	BTEX per soil sample)							
+ +520	Sw#35	Soil	402	BTEX							
*Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil; Water, Other											
6. Q C REQUIREMENTS MUST BE COMPLETED - See General Services Terms and Conditions: QC samples billed at regular sample rate METHOD QC SAMPLES (Lab QC according to published methods) PROJECT PLAN QC SAMPLES (Lab QC according to provided QA/QC Plan) NO QC SAMPLES REQUESTED (May not conform to Agency requirements)											
Comments	Non Provide Bu Sout 17th 91										
Possible Contamin	ation and/or Chem	ical Hazards									
7. Requested t	y	VAN	PELL								
	960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801- 266-7700 / FAX: 801-268-9992 4388 Glendale-Milford Road / Cincinnati, OH 45242 800-458-1493 or 513-733-5336 / FAX: 513-733-5347 DATACHEM LABORATORIES - A SORENSON COMPANY										
	DISTRIBUTIO			RATORY COPY CANARY - CUSTOMER COPY							



### ENVIRONMENTAL WASTE REPORT (EP-TOX)

Form EPTOX-A 2 Page of 1 Part 1 of 1

Date	9	18	190
Agency Iden	tifica	ation	Number <u>S90-0752-AC</u>
Account No.	_0301	8	

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

Sampling Collection and Shipment

Sampling Site Maverik Kirtland, NM Date of Collection August 31, 1990

Date Samples Received at DataChem September 03, 1990

Analytical Results

Parameter Name		d Number Number	1 513	2 514	3 515	4 516	5 517	mit of ction
Analysis Date	Units	<b>.</b>	н 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T E	TE 4	7 E	TE 4	• Lin Detec
Method	erer Method		н s гя	н р м Ш	L S L S	SI EJ	S I E J	. 3
Arsenic (As)								
09/17/1990		mg/L	ND*	ND*	ND*	ND*	ND*	0.3
6010 [1]	1310 [1]						-	
Barium (Ba)								
09/17/1990		mg/L	1.1	1.9	0.9	1.0	1.2	0.5
6010 [1]	1310 [1]							
Cadmium (Cd) 09/17/1990			ND+	ND+	ND+	ND*	ND*	0.0
6010 [1]	1210 (11	mg/L	ND*	ND*	ND*	ND^	ND~	
Chromium (Cr)	1310 [1]							
09/17/1990		mg/L	ND*	ND*	ND*	ND*	ND*	0.0
6010 [1]	1310 [1]							
Lead (Pb)								
09/17/1990		mg/L	ND*	ND*	ND*	ND*	ND*	0.3
6010 [1]	1310 [1]							
Mercury (Hg)								
09/13/1990		mg/L	ND*	ND*	ND*	ND*	ND*	0.00
7470 [1]	1310 [1]							 
Selenium (Se)								
	1210 (1)	mg/L	ND*	ND*	ND*	ND*	ND*	0.3
6010 [1] Silver (Ag)	1310 [1]							 
09/17/1990		mg/L	ND*	ND*	ND*	ND*	ND*	0.0
6010 [1]	1310 [1]	y/ D	110				H.C	

ND Parameter not detected. NR Parameter not requested. <sup>1</sup> Analyses completed on or before this date.

Parameter between LOD and LOQ. Method Reference (See comments page.)

Analyst: Brian W. Motes Reviewe Henr

Laboratory Supervisor: Brent E. Stephens

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700



ENVIRONMENTAL WASTE REPORT (EP-TOX) Form EPTOX-C Page 2 of 2

9 19  $\mathbf{\tilde{O}}$ Date . Agency Identification Number S90-0752-AC

Method Index -- Method Reference --

[1]

SW-846 "Test Methods for Evaluating Solid Waste", September 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700

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	""""""""""""""""""""""""""""""""""""""	talı 84123	oy Drive / Salt Lake City, Utalı 84123	West Lev	DataChem Laboratories/ 900		
			Signature:			ltion:	Final Disposition:
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	Keceived by: (Signature)	Date/ lime	Relinquished by: (Signature)	Keceived by: (Signature) (K)		: (Signature) Uate/	Relinquished by: (Signature)
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4	N		Relinquished by: (Signature)	by: (Signature) and	Date/Time Received	: (Signature) Da	Relinquished by:
	Received by: (Signature)	7/10/90 16:00	Kelinquished by: (Jignature) Sample Storagl	Kecerved by: (Signature) and	me O & 30	(Suggetlyre) 69	Letter by
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1 1					1 1 1 1 1 1	5 M	
1	EP Tox metals	1-TPH (418,1), 1-	1- 8TEX 1-TPI	S C = S =	E74513	0 Sire 1 2	0 2 -3 1-90
ſ		•	er of Remarks	Sample Number of Matrix Nit Containers	DCL Sample Number(s)	Field ID Number	Date Sampled
	-						Field Comment:
		EP TO X	Brex Girth	50	Sponsor: Dames & Mosve	DCL Set ID: Spo S 4 つ り うみ () A	Account: 3 018
, 1 1 1	Date Digested: 2/11/20 94. Date Analyzed:						
			USTODY RECORD	OF C	CHAIN		
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DATA	

## ANALYTICAL REQUEST FORM

1. 
□ REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE AS W. CONFIRMATION WITH DATACHEM

Purchase Order No. 14819-005-5304 2. Date 8/30 10 & MOORE 3. Company Name DAMES Su, te 300 Address 127 5. 500 84 102 SLC. 19 9 U - 1 د/ Person to Contact 9 2 Telephone (80) ) Billing Address (if different from above)

4. Sample Collection
Sampling Site MAVERIK, KIRTZAND, NM
Industrial Process Petroleum Refineny
Industrial Process <u>Petroleum</u> Petineny Date of Collection <u>8/31/90</u>
Time Collected
Date of Shipment 8/3//90
Chain of Custody No.

### 5. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)	ANALY	SES REQUESTED - Use Method Number if Known
ES 95 3	SITEN	Soil	802 Amber	BTEX, TPA	4 (418.1), EPTOX Metals
1 4514	SITEZ	Soil	5A	ME	(Composite of 10 samples
4515	SITEB	5011	SA	ME	( Den SITE )
4517	5176 4	Soil	5A	ME	
74517	Sires	S. Martin Street	**		<b>~</b> ~
( <b>%</b> 8575-v	agotusen et i				
1 4518	5w#1N	Soil	402	BTEX	(Composite of 10 samples
4519	Sw#Z C	Soil	402	BTEX	(Composite of 10 samples per soil sample)
\$ +520	5w#35	Soil	402	BTEX	
-				_	
					Э
6. Q C REQUII			METHOD QC S	Sample; Blood; Urine; Tissue	OTHER (as specified below)
	MPLETED - See			ng to published methods)	
General Servic Conditions: QC				N QC SAMPLES ng to provided QA/QC Pl	an)
at regular samp	•	$\times$	NO QC SAMPL	ES REQUESTED	
				to Agency requirements	
Comments	Nead ;	Resul	Its Bu	Sept.	17 <sup>th</sup> 90
younneing		the	Crat	~ #	2,0 36
	/	over	Con	$=$ $\pi$	)
Possible Contaminat		_			
7. Requested by		VAN.	PELL		-
	960 West LeVoy				5 or 801- 266-7700 / FAX: 801-268-9992
	4388 Glendale-N		,		3 or 513-733-5336 / FAX: 513-733-5347
		DA	TACHEM LABOR	ATORIES - A SORENSO	DN COMPANY
	DISTRIBUTION	N:	WHITE - LABO	RATORY COPY	CANARY - CUSTOMER COPY

APPENDIX E

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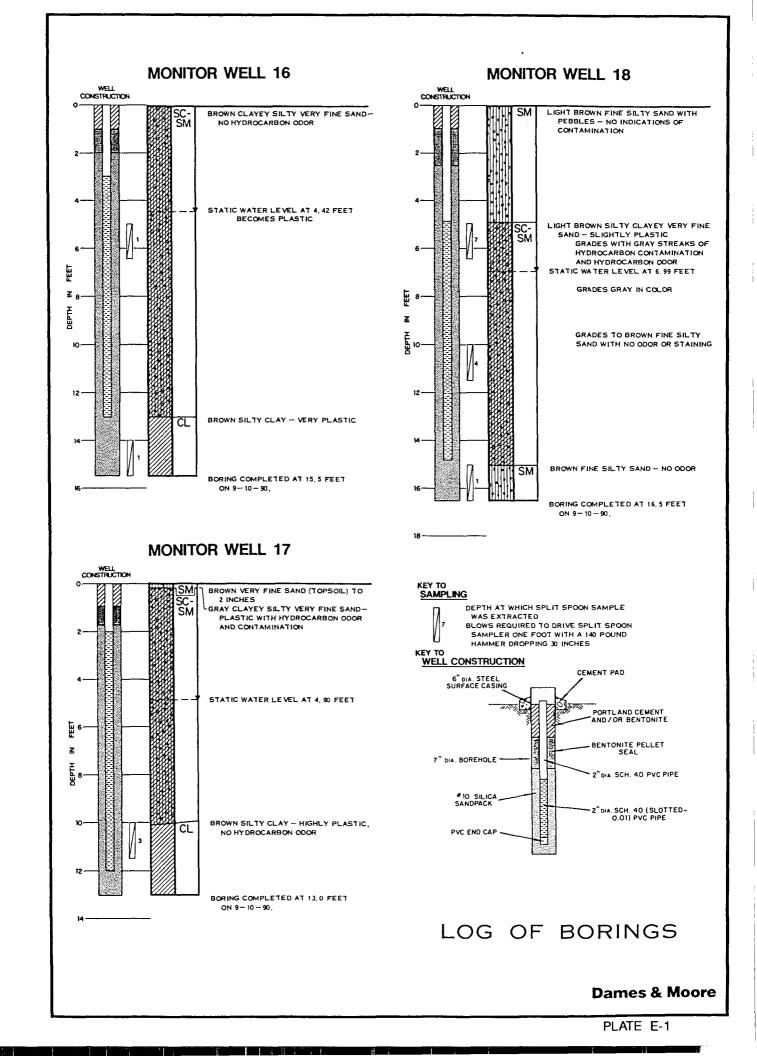
NEW MONITOR WELL CONSTRUCTION SPECIFICATIONS

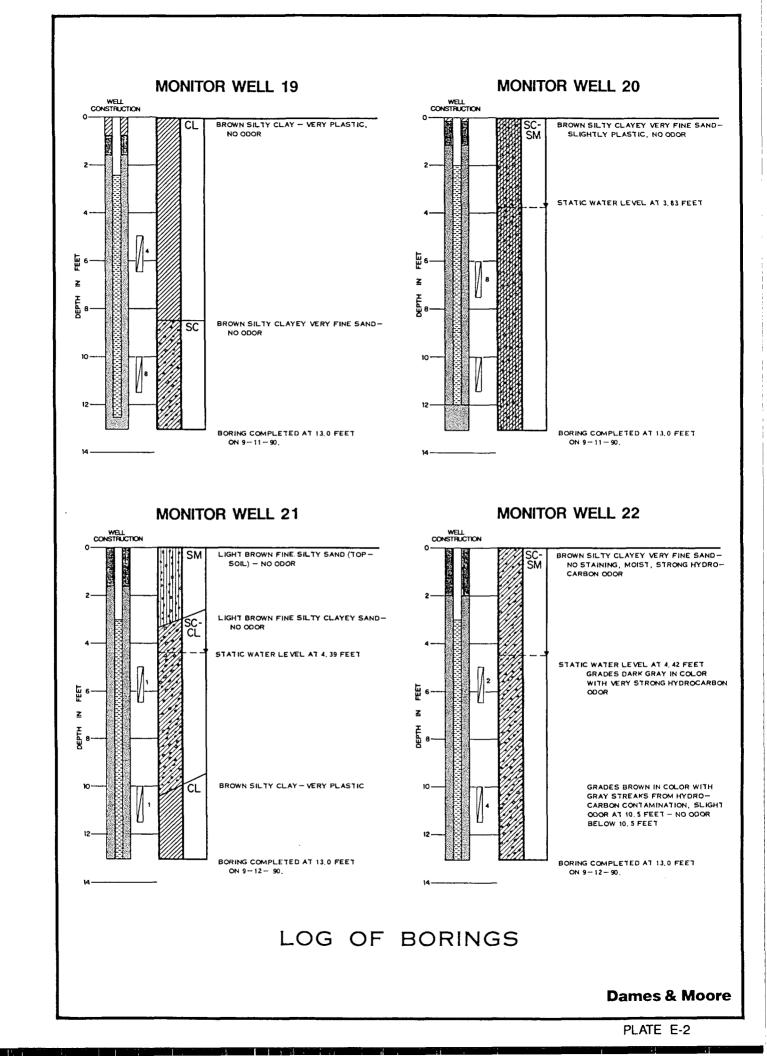
11

### APPENDIX E

### NEW MONITOR WELL CONSTRUCTION SPECIFICATIONS

Geologic logs and well completion specifications for the 7 new monitor wells completed in the upper shallow aquifer in September 1990 are included on plates E-1 and E-2. The wells were drilled with a hollow-stem auger drilling rig, and subsurface samples were obtained via drill cuttings and split-spoon sampling at selected depths as indicated on the logs. Although an Organic Vapor Analyzer (OVA) meter was on-site, it malfunctioned during the entire drilling program and no OVA readings were obtained. Noticeable hydrocarbon odors were detected (smelled and observed) at the zones as indicated, in MW-17, MW-18 and MW-22.





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### APPENDIX F

FIELD AND LABORATORY GROUND WATER QUALITY DATA SAMPLING AND ANALYSIS AND QA/QC FOR ROUND 5 LONG-TERM REMEDIATION MONITORING (AND PRIOR ROUNDS 1, 2 AND 3 AND ROUNDS 1, 2, 3 AND 4 LONG-TERM MONITORING)

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### APPENDIX F

### FIELD AND LABORATORY GROUND WATER QUALITY DATA SAMPLING AND ANALYSIS AND QA/QC FOR ROUND 5 LONG-TERM REMEDIATION MONITORING (AND PRIOR ROUNDS 1, 2 AND 3 AND ROUNDS 1, 2, 3 AND 4 LONG-TERM MONITORING)

### WATER QUALITY SAMPLING

The monitor wells sampled for round 5 long-term remediation monitoring were purged with a teflon bailer, as in all previous sampling rounds. Ground water samples were then collected, preserved and analyzed in accordance with EPA guidance. All samples were analyzed by Rocky Mountain Analytical Laboratory (RMAL) a division of ENSECO, Incorporated, a well known multi-state certified and EPA Contract Laboratory-Program laboratory in Arvada, Colorado. RMAL has conducted the laboratory analysis on all of the prior samples taken at the project site. Bottom samples from the wells were collected by lowering a teflon bailer equipped with an end ball valve to the bottom of the wells. Samples were collected after 3 casing volumes of water had been removed. Static water level data and the results of the field water quality analytical tests are presented in Table F-1.

The drop pipe that had been installed in monitor well MW-13 prior to Round 2 sampling (as described in our February 1988 report), was also used during this sampling round. The drop pipe was installed after a free oil phase had been detected in MW-13 during Round 1 sampling.

Sample bottles with appropriate preservatives (as detailed in RMAL's report), were shipped directly to the site by the laboratory. All water samples were iced immediately after collection and shipped to RMAL on the day of collection via overnight courier. Chain-of-custody documentation was maintained.

F-1

### LABORATORY ANALYSIS

Analytical results from RMAL for the major inorganic and organic parameters for this round and previous sampling rounds for the five designated monitor wells are included in Table F-2. The data are presented in columns for comparative purposes. The detailed report from RMAL for Round 5 long-term monitoring is also included in this appendix.

The water quality analyses for long-term monitoring include a selected list of analytes based on those detected in wells in previous rounds, and as agreed to by the EID (September 14, 1988). RMAL conducted analyses for 24 halogenated volatile organics, 8 aromatic volatile organics and 3 inorganic constituents. The specific parameters are listed in Table 1 along with the analytical methods used. GC methods 601 and 602 were used to detect volatile organics. SUMMARY OF FIELD DATA FOR LONG-TERM GROUND WATER QUALITY REMEDIATION MONITORING ROUNDS 1, 2, 3, 4 AND 5<sup>(1)</sup>

Depth to Water (From Ground Surface, in ft.) Round 1 Round 2 Round 4	th to Water (From Groun Surface, in ft.) ound 2 Round 3 Round 4	later (From Groun urface, in ft.) Round <u>3</u> Round <u>4</u>	rom Groun in ft.) Round 4		d <u>Round 5</u>	Ground Water Round 5	<u>Elevations</u> Top of <u>Casing</u> <sup>(2)</sup>	Ground Surface <sup>(3)</sup>	Round 1	Round	pH (p <u>H units)</u> <u>3 Round 4</u>	Round <sup>t</sup>
2.77 1.7 0.90 1.9 2.27				2.27	-	5181.75	5191.39	5184.02	7.04	7.58	7.43	6.97
2.27 2.5 1.20 1.34 2.95	1.20 1.34	1.34		2.	95	5186.58	5189.80	5189.53	6.46	7.48	7.37	6.95
1.9 1.9 0.35 0.50 2.95	0.35 0.50	0.50		2.9	5	5184.61	5187.76	5187.56	8.06	7.60	۱	7.02 <sup>(5)</sup>
3.0 4.5 1.58 3.10 3.95	1.58 3.10	3.10		3.9	Ś	5186.75	5194.47	5190.7	7.08	7.40	7.12	6.97
1.0 2.3 0.77 1.06 2.35	0.77 1.06	1.06		2.35		5183.05	5188.80	5185.4	6.45	7.27	6.95	7.0
4.42	ſ		- 4.42	4.42		5189.32	5195.3	5193.74	ı	ı	ı	6.97
4.9	4.9	4.9	- 4.9	4.9		5188.53	5194.79	5193.43	,	ı	ı	7.01
6.99	6.99	6.99	- 6.99	6.9	•	5192.15	5200.73	5199.14	ı	ı		7.00
· ·	, ,	, ,	1	I		ı	5190.00	5188.28	ı	ı	ı	6.95
3.83	3.83	3.83	- 3.83	3.83		5186.27	5191.47	5190.10	ı	·	ı	7.01
4.39	4.3	4.3	- 4.3	4.39	6	5189.23	5195.09	5193.62	ł	ı	ı	7.01
4.42		- 4.42	- 4.42	4.42		5190.16	5196.33	5194.58	ı	ı	·	7.00

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TABLE F-1

TABLE F-1 (Continued)

Clear (bailed dry on 9/10, 11,13,14/90) Silty, slight hydrocarbon odor Silty, very strong hydro-carbon odor Initially rusty, Cleared but silty (bailed dry on 9/11/90) Silty (bailed dry on 9/10/90) Silty (bailed dry on 9/11/90) Silty (bailed dry on 9/10/90) Silty, strong hydro-carbon odor Silty, no odor Silty, no odor Silty, no odor Silty, no odor Remarks<sup>(4)</sup>  $18.5^{(5)}$ Round 5 37.1 38.9 38.6 22.4 43.8 22.2 24.5 36.7 21.5 20.5 24.2 Round 4 3.65 6.15 . . , . Temperature Round 3 . . Round 1 .  $2,950^{(5)}$ Round 5 1,550 1,550 5,450 3,250 1,370 1,500 1,350 2,500 3,000 1,500 1,900 Conductivity Round 3 Round 4 1,700 6,000 5,800 umhos/cm 1 ŧ 1,350 1,600 5,100 3,350 2,500 Round 1 2,000 3,500 2,500 8,000 3,500 ı MW-10 MW-13 MW-14 MW-17 MW-19 MW-20 MW-22 MW-15 MW-16 MW-18 MW-21 9-WM Well

. . . . .

TABLE F-1 (Continued)

- Round 1 Data collected April 27, 1989 and May 4, 1989. Round 2 Data collected August 10, 1989, measured from top of casing. Round 3 Data collected December 11, 12, 1989. Round 4 Data collected May 2, 5, 6, 1990. North side of steel casing Top of cement pad Round 5 Remarks. Taken of iced sample Not tested Not tested No field tests were conducted during Round 2 sampling. 3

- (2) N (3) T (4) R (4) R (5) T (5) N NC N Note:

# TABLE F-2

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-9		MW-S		MW-9		MW-		MM-		MW-		MW-9
DATE SAMPLED	11-23	3-87 	2-2	22-88	10-1: 	3-88 	4-2 	7-89 	8-1 	0-89 	12-1	2-89	1-16-90
INORGANIC PARAMETERS (mg/L	except as	s noted)											
Calcium (Ca)		324.0		396.0		*		*		*		*	
Magnesium (Mg)		29.0		41.0		*		*		*		*	
Sodium (Na)		146.0		357.0		*		*		*		*	
Potassium (K)	<	5.0	<	5.0		*		*		*		*	
Iron (Fe)	<	.05	<	.05		*		*		*		*	
Manganese (Mn)		*		.110		*		*		*		*	
Ammonia (as N)	<	.1	<	.1		*		*		*		*	
Chloride (Cl)		43.0		81.0		*		39.0		37.0		38.0	
Sulfate (SO4)		863.		1510.		*		727.		624.		638.	
Fluoride (F)		1.0		.8		*		*		*		*	
Nitrate and Nitrite (as	N) <	.1	<	.1		*		*		*		*	
Total Alkalinity		372.0		250.0		*		*		*		*	
Bicarbonate Alkalinity		*		250.0		*		*		*		*	
Carbonate Alkalinity		*		*		*		*		*		*	
Bicarbonate (HCO3)		*		304.8		*		*		*		*	
Carbonate (CO3)		*		*		*		*		*		*	
FIELD AND LABORATORY MEASUR	EMENTS												
Temperature (Degrees C)		13.3		*		15.5		14.8		*		*	
Field pH		7.11		7.08		6.52		7.04		*		*	
Lab pH (units)		7.59		7.71		*		*		*		*	
Field Conductivity (umh	os/cm	1400.0		2200.0		1600.0		2000.0		*		*	
Lab Conductivity (umhos	/cm)	1850.0		3000.0		*		*		*		*	
Total Dissolved Solids(	mg/l)	1520.0		2160.0		*		1420.0		1200.0		1260.0	
VOLATILE ORGANICS DETECTED	(ug/L)												
Benzene	<	.50	<	.50	<	.50	<	.50	<	.50	<	.50	
Ethylbenzene	<	.50	<	.50	<	.50	<	.50	<	.50	<	.50	
Toluene	<	.50	<	.50	<	.50	<	.50	<	.50	<	.50	
m-Xylene	<	.50	<	.50		*		*		*		*	
o,p-Xylene	<	.50	<	.50		*		*		*		*	
Total Xylene		*		*	· <	.50	<	1.00	<	1.00	<	1.00	
1,2 Dichloroethane		8.30		8.60		5.60		4.50		3.40		2.60	
TOTAL ORGANIC LEAD (mg/L)													
Total Organic Lead	<	.010		.004		*		*		*		*	

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

1 1 1

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# MAVERIK-KIRTLAND WATER QUALITY

-	•	•	•	•	-	-	-		• •	-	-	-	٠	-	-	-	•	•	-	•	•	-	-	-	•	-

SAMPLE IDENTIFICATION	MU	-9	MW-9	,	-
DATE SAMPLED		2-90		, 3-90	
INORGANIC PARAMETERS (mg/L e	except a	as noted)	I		
Calcium (Ca)		*		*	
Magnesium (Mg)		*		*	
Sodium (Na)		*		*	
Potassium (K)		*		*	
Iron (Fe)		*		*	
Manganese (Mn)		*		*	
Ammonia (as N)		*		*	
Chloride (Cl)		35.0		35.4	
Sulfate (SO4)		574.		551.	
Fluoride (F)		*		*	
Nitrate and Nitrite (as	N)	*		*	
Total Alkalinity		*		*	
Bicarbonate Alkalinity		*		*	
Carbonate Alkalinity		*		*	
Bicarbonate (HCO3)		*		*	
Carbonate (CO3)		*		*	
FIELD AND LABORATORY MEASURI	EMENTS				
Temperature (Degrees C)		*		*	
Field pH		*		*	
Lab pH (units)		*		*	
Field Conductivity (umh	os/cm	*		*	
Lab Conductivity (umhos,	/cm)	*		*	
Total Dissolved Solids(	mg∕l)	1190.0		1140.0	
VOLATILE ORGANICS DETECTED	(ug/L)				
Benzene	<	.50	<	.50	
Ethylbenzene	<	.50	<	.50	
Toluene	<	.50	<	.50	
m-Xylene		*		*	
o,p-Xylene		*		*	
Total Xylene	<	1.00	<	1.00	
1,2 Dichloroethane		3.30		2.10	
TOTAL ORGANIC LEAD (mg/L)					
Total Organic Lead		*		*	

,

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

#### MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-		MW-		MW-1		MM-		MW-		MW-		MW-10
DATE SAMPLED		23-87	2-:	23-88	10-1	2-88	4-2	?7-89 	8-1 	0-89 	12-1	2-89	1-16-90
NORGANIC PARAMETERS (mg/L ex	cept	as noted)											
Calcium (Ca)	•	126.0		196.0		*		*		*		*	
Magnesium (Mg)		22.0		41.0		*		*		*		*	
Sodium (Na)		250.0		578.0		*		*		*		*	
Potassium (K)	<	5.0	<	5.0		*		*		*		*	
Iron (Fe)	<	.05	<	.05		*		*		*		*	
Manganese (Mn)		*		5.200		*		*		*		*	
Ammonia (as N)	<	.1	<	.1		*		*		*		*	
Chloride (Cl)		46.0		191.0		*		146.0		45.0		34.0	
Sulfate (SO4)		568.		1640.		*		1190.		470.		404.	
Fluoride (F)		.8		.7		*		*		*		*	
Nitrate and Nitrite (as N	() <	.1	<	.1		*		*		*		*	
Total Alkalinity		153.0		271.0		*		*		*		*	
Bicarbonate Alkalinity		*		271.0		*		*		*		*	
Carbonate Alkalinity		*		*		*		*		*		*	
Bicarbonate (HCO3)		*		330.4		*		*		*		*	
Carbonate (CO3)		*		*		*		*		*		*	
IELD AND LABORATORY MEASUREN	IENTS												
Temperature (Degrees C)		12.5		*		15.6		13.0		*		*	
Field pH		7.66		8.22		6.25		6.46		*		*	
Lab pH (units)		7.74		7.70		*		*		*		*	
Field Conductivity (umhos	s/cm	1280.0		3600.0		1375.0		3500.0		*		*	
Lab Conductivity (umhos/d	:m)	1640.0		3720.0		*		*		*		*	
Total Dissolved Solids(mg	g/l)	1240.0		2725.0		*		2310.0		990.0		910.0	
OLATILE ORGANICS DETECTED (	Jg/L)												
Benzene	<	.50	<	.50	<	.50	<	.50	<	.50	<	.50	
Ethylbenzene	<	.50	<	.50	<	.50	<	.50	<	.50	<	.50	
Toluene	<	.50	<	.50	<	.50		.52	<	.50	<	.50	
m-Xylene	<	.50	<	.50		*		*		*		*	
o,p-Xylene	<	.50	<	.50		*		*		*		*	
Total Xylene		*		*	<	.50	<	1.00	<	1.00	<	1.00	
1,2 Dichloroethane		3.20		1.30		5.70		3.30		1.60		2.80	
OTAL ORGANIC LEAD (mg/L)													
Total Organic Lead	<	.020		.009		*		*		*		*	

<: Parameter value is less than given detection limits

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\*: Parameter was not analyzed.

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# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-10	MW-10
DATE SAMPLED	5- 2-90	9-13-90

# INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*		*
Magnesium (Mg)	*		*
Sodium (Na)	*		*
Potassium (K)	*		*
Iron (Fe)	*		*
Manganese (Mn)	*		*
Ammonia (as N)	*		*
Chloride (Cl)	72.1		38.9
Sulfate (SO4)	577.		436.
Fluoride (F)	*		*
Nitrate and Nitrite (as N)	*		*
Total Alkalinity	*		*
Bicarbonate Alkalinity	*		*
Carbonate Alkalinity	*		*
Bicarbonate (HCO3)	*		*
Carbonate (CO3)	*		*
FIELD AND LABORATORY MEASUREMENTS			
Temperature (Degrees C)	*		*
Field pH	*		*
Lab pH (units)	*		*
Field Conductivity (umhos/cm	*		*
Lab Conductivity (umhos/cm)	*		*
Total Dissolved Solids(mg/l)	1300.0		952.0
VOLATILE ORGANICS DETECTED (ug/L)			
Benzene <	.50	<	.50
Ethylbenzene <	.50	<	.50
Toluene <	.50	<	.50
m-Xylene	*		*
o,p-Xylene	*		*
Total Xylene <	1.00	<	1.00
1,2 Dichloroethane	2.00		1.40
TOTAL ORGANIC LEAD (mg/L)			
Total Organic Lead	*		*

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

AMPLE IDENTIFICATION	MW-13	MW-13	MW-13	ŀ	1W-13	MW-13	MW-13	MW-13
ATE SAMPLED	11-27-87	2-24-88	10-12-88 	:	5- 4-89	8-10-89	12-12-89	1-16-90
NORGANIC PARAMETERS (mg/L exc	ent as noted							
Calcium (Ca)	364.0	, 219.0		*	*	*	*	
Magnesium (Mg)	105.0	47.0		*	*	*	*	
Sodium (Na)	666.0	370.0		*	*	*	*	
Potassium (K)	24.0	< 5.0		*	*	*	*	
Iron (Fe)	.39	.12		*	*	*	*	
Manganese (Mn)	*	1.900		*	*	*	*	
Ammonia (as N)	.5	.5		×	*	*	*	
Chloride (Cl)	257.0	82.0		*	94.0	78.0	170.0	
Sulfate (SO4)	1980.	920.		*	1350.	1350.	1890.	
Fluoride (F)	1.0	.8		*	*	*	*	
Nitrate and Nitrite (as N)		< .1		*	*	*	*	
Total Alkalinity	419.0	581.0		*	*	*	*	
Bicarbonate Alkalinity	*	581.0		*	*	*	*	
Carbonate Alkalinity	*	*		*	*	*	*	
Bicarbonate (HCO3)	*	708.4		*	*	*	*	
Carbonate (CO3)	*	*		*	*	*	*	
IELD AND LABORATORY MEASUREME	NTS							
Temperature (Degrees C)	8.1	*	18.	3	16.0	*	*	
Field pH	8.14	8.36	7.5	1	8.06	*	*	
Lab pH (units)	7.89	8.11		*	*	*	*	
Field Conductivity (umhos/	/cm 2300.0	2600.0	4350.	0	2500.0	*	*	
Lab Conductivity (umhos/cm	n) 4300.0	2650.0		*	*	*	*	
Total Dissolved Solids(mg/	(1) 3700.0	1850.0		*	2480.0	2660.0	3580.0	
OLATILE ORGANICS DETECTED (ug	g/L)							
Benzene	< .50	< .50	< .5	0	< .50	< .50	< .50	
Ethylbenzene	.54	< .50	< .5	0	< .50	< .50	< .50	
Toluene	< .50	< .50	< .5	0	< .50	< .50	< .50	
m-Xylene	1.40	1.10		*	*	*	*	
o,p-Xylene	.83	.58		*	*	*	*	
Total Xylene	*	*	< .5	0	< 1.00	< 1.00	< 1.00	
1,2 Dichloroethane	< 1.00	1.90	1.9	90	7.40	6.00	< 1.00	
OTAL ORGANIC LEAD (mg/L)								
Total Organic Lead	< .010	< .004		*	*	*	*	

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-13	MW-13
DATE SAMPLED	5- 6-90	9-13-90

# INORGANIC PARAMETERS (mg/L except as noted)

THORANTO TARATETERO (INSTE EXCEPT	us noteu	,	
Calcium (Ca)	*		*
Magnesium (Mg)	*		*
Sodium (Na)	*		*
Potassium (K)	*		*
Iron (Fe)	*		*
Manganese (Mn)	*		*
Ammonia (as N)	*		*
Chloride (Cl)	112.0		140.0
Sulfate (SO4)	1480.		1630.
Fluoride (F)	*		*
Nitrate and Nitrite (as N)	*		*
Total Alkalinity	*		*
Bicarbonate Alkalinity	*		*
Carbonate Alkalinity	*		*
Bicarbonate (HCO3)	*		*
Carbonate (CO3)	*		*
FIELD AND LABORATORY MEASUREMENTS			
Temperature (Degrees C)	*		*
Field pH	*		*
Lab pH (units)	*		*
Field Conductivity (umhos/cm	*		*
Lab Conductivity (umhos/cm)	*		*
Total Dissolved Solids(mg/l)	2890.0		3040.0
VOLATILE ORGANICS DETECTED (ug/L)			
Benzene <	.50	<	.50
Ethylbenzene <	.50	<	.50
Toluene <	.50		1.50
m-Xylene	*		*
o,p-Xylene	*		*
Total Xylene <	1.00	<	1.00
1,2 Dichloroethane <	1.00	<	1.00
TOTAL ORGANIC LEAD (mg/L)			
Total Organic Lead	*		*
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<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-14	MW-14	MW-14	MW-	14	MW-	14	MW-	14	MW-14
DATE SAMPLED	11-27-87 	2-24-88	10-12-88 	4-2 	7-89 	8-1 	0-89	12-1	2-89	1-16-90
INORGANIC PARAMETERS (mg/L ex	(cent as noted)									
Calcium (Ca)	*	*	*		*		*		*	
Magnesium (Mg)	*	*	*		*		*		*	
Sodium (Na)	*	*	*		*		*		*	
Potassium (K)	*	*	*		*		*		*	
Iron (Fe)	*	*	*		*		*		*	
Manganese (Mn)	*	*	*		*		*		*	
Ammonia (as N)	*	*	*		*		*		*	
Chloride (Cl)	*	*	*		406.0		114.0		116.0	
Sulfate (SO4)	*	*	*		3320.		1360.		1370.	
Fluoride (F)	*	*	*		*		*		*	
Nitrate and Nitrite (as N	() *	*	*		*		*		*	
Total Alkalinity	*	*	*		*		*		*	
Bicarbonate Alkalinity	*	*	*		*		*		*	
Carbonate Alkalinity	*	*	*		*		*		*	
Bicarbonate (HCO3)	*	*	*		*		*		*	
Carbonate (CO3)	*	*	*		*		*		*	
FIELD AND LABORATORY MEASUREM	TENTS									
Temperature (Degrees C)	*	*	*		16.2		*		*	
Field pH	*	*	*		7.08		*		*	
Lab pH (units)	*	*	*		*		*		*	
Field Conductivity (umhos	s/cm *	*	*		8000.0		*		*	
Lab Conductivity (umhos/c	cm) *	*	*		*		*		*	
Total Dissolved Solids(mg	g/l) *	*	*		6140.0		2560.0		2620.0	
OLATILE ORGANICS DETECTED (U	ug/L)									
Benzene	*	*	*	<	.50	<	.50	<	.50	
Ethylbenzene	*	*	*	<	.50	<	.50	<	.50	
Toluene	*	*	*		1.10	<	.50	<	.50	
m-Xylene	*	*	*		*		*		*	
o,p-Xylene	*	*	*		*		*		*	
Total Xylene	*	*	*		3.20	<	1.00	<	1.00	
1,2 Dichloroethane	*	*	*	<	1.00		3.20		3.40	
TOTAL ORGANIC LEAD (mg/L)	·									
Total Organic Lead	*	*	*		*		*		*	

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-14	MW-14
DATE SAMPLED	5- 6-90	9-13-90

# INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*		*
Magnesium (Mg)	*		*
Sodium (Na)	*		*
Potassium (K)	*		*
Iron (Fe)	*		*
Manganese (Mn)	*		*
Ammonia (as N)	*		*
Chloride (Cl)	202.0		174.0
Sulfate (SO4)	2120.		2080.
Fluoride (F)	*		*
Nitrate and Nitrite (as N)	*		*
Total Alkalinity	*		*
Bicarbonate Alkalinity	*		*
Carbonate Alkalinity	*		*
Bicarbonate (HCO3)	*		*
Carbonate (CO3)	*		*
FIELD AND LABORATORY MEASUREMENTS			
Temperature (Degrees C)	*		*
Field pH	*		*
Lab pH (units)	*		*
Field Conductivity (umhos/cm	*		*
Lab Conductivity (umhos/cm)	*		*
Total Dissolved Solids(mg/l)	3980.0		3920.0
VOLATILE ORGANICS DETECTED (ug/L)			
Benzene <	.50	<	.50
Ethylbenzene <	.50	<	.50
Toluene <	.50	<	.50
m-Xylene	*		*
o,p-Xylene	*		*
Total Xylene <	1.00	<	1.00
1,2 Dichloroethane <	1.00	<	1.00
TOTAL ORGANIC LEAD (mg/L)			
Total Organic Lead	*		*

<: Parameter value is less than given detection limits
\*: Parameter was not analyzed.</pre>

# MAVERIK-KIRTLAND WATER QUALITY

AMPLE IDENTIFICATION	MW-15	MW-15	MW-15	MW-	·15	MW-	15	MW-	· 15	MW-15
ATE SAMPLED	11-27-87	2-24-88 	10-12-88	4-2	27-89	8-1	0- <b>89</b>	12-1	12-89	1-16-90
NORGANIC PARAMETERS (mg/L e	(cept as noted)									
Calcium (Ca)	*	*	*		*		*		*	
Magnesium (Mg)	*	*	*		*		*		*	
Sodium (Na)	*	*	*		*		*		*	
Potassium (K)	*	*	*		*		*		*	
Iron (Fe)	*	*	*		*		*		*	
Manganese (Mn)	*	*	*		*		*		*	
Ammonia (as N)	*	*	*		*		*		*	
Chloride (Cl)	*	*	*		178.0		139.0		204.0	
Sulfate (SO4)	*	*	*		1220.		1030.		1720.	
Fluoride (F)	*	*	*		*		*		*	
Nitrate and Nitrite (as	N) *	*	*		*		*		*	
Total Alkalinity	*	*	*		*		*		*	
Bicarbonate Alkalinity	*	*	*		*		*		*	
Carbonate Alkalinity	*	*	*		*		*		*	
Bicarbonate (HCO3)	*	*	*		*		*		*	
Carbonate (CO3)	*	*	*		*		*		*	
IELD AND LABORATORY MEASURE	MENTS									
Temperature (Degrees C)	*	*	*		14.2		*		*	
Field pH	*	*	*		6.45		*		*	
Lab pH (units)	*	*	*		*		*		*	
Field Conductivity (umho	s/cm *	*	*		3500.0		*		*	
Lab Conductivity (umhos/	cm) *	*	*		*		*		*	
Total Dissolved Solids(m	g/l) *	*	*		2360.0		1900.0		2940.0	
OLATILE ORGANICS DETECTED (	ug/L)									
Benzene	*	*	*	<	.50	<	.50	<	.50	
Ethylbenzene	*	*	*	<	.50	<	.50	<	.50	
Toluene	*	*	*	<	.50	<	.50	<	.50	
m-Xylene	*	*	*		*		*		*	
o,p-Xylene	*	*	*		*		*		*	
Total Xylene	*	*	*	<	1.00	<	1.00	<	1.00	
1,2 Dichloroethane	*	*	*	<	1.00	<	1.00	<	1.00	
OTAL ORGANIC LEAD (mg/L)										
Total Organic Lead	*	*	*		*		*		*	

<: Parameter value is less than given detection limits

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\*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-15	MW-15
DATE SAMPLED	5- 6-90	9-14-90
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INORGANIC PARAMETERS (mg/L except as noted)

THORANTO TARABLIERO (Byr CACCPC	us norcu	,	
Calcium (Ca)	*		*
Magnesium (Mg)	*		*
Sodium (Na)	*		*
Potassium (K)	*		*
Iron (Fe)	*		*
Manganese (Mn)	*		*
Ammonia (as N)	*		*
Chloride (Cl)	347.0		163.0
Sulfate (SO4)	2750.		1380.
Fluoride (F)	*		*
Nitrate and Nitrite (as N)	*		*
Total Alkalinity	*		*
Bicarbonate Alkalinity	*		*
Carbonate Alkalinity	*		*
Bicarbonate (HCO3)	*		*
Carbonate (CO3)	*		*
FIELD AND LABORATORY MEASUREMENTS			
Temperature (Degrees C)	*		*
Field pH	*		*
Lab pH (units)	*		*
Field Conductivity (umhos/cm	*		*
Lab Conductivity (umhos/cm)	*		*
Total Dissolved Solids(mg/l)	4320.0		2540.0
VOLATILE ORGANICS DETECTED (ug/L)			
Benzene <	.50	<	.50
Ethylbenzene <	.50	<	.50
Toluene <	.50	<	.50
m-Xylene	*		*
o,p-Xylene	*		*
Total Xylene <	1.00	<	1.00
1,2 Dichloroethane <	1.00	<	1.00
TOTAL ORGANIC LEAD (mg/L)			
Total Organic Lead	*		*

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

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# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-16
DATE SAMPLED	9-13-90

INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	27.6
Sulfate (SO4)	292.
Fluoride (F)	*
Nitrate and Nitrite (as N)	*
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (NCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREMENTS	
Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*
Lab Conductivity (umhos/cm)	*
Total Dissolved Solids(mg/l)	867.0
VOLATILE ORGANICS DETECTED (ug/L)	
Benzene <	.50
Ethylbenzene <	.50
Toluene	.50
m-Xylene	
o,p-Xylene	*
Total Xylene <	1.00
1,2 Dichloroethane <	1.00
	1.00
TOTAL ORGANIC LEAD (mg/L)	
Total Organic Lead	*
<b>~</b> • • •	

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

#### MAVERIK-KIRTLAND WATER QUALITY

-----SAMPLE IDENTIFICATION MW-17 DATE SAMPLED 9-14-90 -----INORGANIC PARAMETERS (mg/L except as noted) Calcium (Ca) Magnesium (Mg) Sodium (Na) Potassium (K) Iron (Fe) Manganese (Mn) Ammonia (as N) Chloride (Cl) 401.0 Sulfate (SO4) 27.3 Fluoride (F) \* Nitrate and Nitrite (as N) Total Alkalinity

Total Alkalinity \* Bicarbonate Alkalinity \* Carbonate Alkalinity \* Bicarbonate (HCO3) \* Carbonate (CO3) \*

#### FIELD AND LABORATORY MEASUREMENTS

Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*
Lab Conductivity (umhos/cm)	*
Total Dissolved Solids(mg/l)	2160.0

#### VOLATILE ORGANICS DETECTED (ug/L)

Benzene	11000.00
Ethylbenzene	1600.00
Toluene	15000.00
m-Xylene	*
o,p-Xylene	*
Total Xylene	13000.00
1,2 Dichloroethane	360.00

# TOTAL ORGANIC LEAD (mg/L)

Total Organic Lead

<: Parameter value is less than given detection limits

\*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-18
DATE SAMPLED	9-14-90

INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	43.8
Sulfate (SO4)	67.
Fluoride (F)	*
Nitrate and Nitrite (as N)	*
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (HCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREMENTS	
Temperature (Degrees C)	*
field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*
Lab Conductivity (umhos/cm)	*
Total Dissolved Solids(mg/l)	682.0

#### VOLATILE ORGANICS DETECTED (ug/L)

Benzene		17.00
Ethylbenzene		84.00
Toluene	<	12.00
m-Xylene		*
o,p-Xylene		*
Total Xylene		880.00
1,2 Dichloroethane	<	1.00

# TOTAL ORGANIC LEAD (mg/L)

Total Organic Lead

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-19
DATE SAMPLED	9-13-90
	•

INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	620.0
Sulfate (SO4)	292.
Fluoride (F)	*
Nitrate and Nitrite (as N)	*
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (HCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREMENTS	
Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*

VOLATILE ORGANICS DETECTED (ug/L)

Lab Conductivity (umhos/cm)

Benzene	<	.50
Ethylbenzene		1.10
Toluene	<	.50
m-Xylene		*
o,p-Xylene		*
Total Xylene		1.90
1,2 Dichloroethane		45.00

Total Dissolved Solids(mg/l) 2210.0

TOTAL ORGANIC LEAD (mg/L)

Total Organic Lead

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

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# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION	MW-20
DATE SAMPLED	9-14-90

INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca) <	1.0
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	45.9
Sulfate (SO4)	650.0
Fluoride (F)	*
Nitrate and Nitrite (as N)	*
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (HCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREMENTS	
Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*
Lab Conductivity (umhos/cm)	*
Total Dissolved Solids(mg/l)	13000.0
VOLATILE ORGANICS DETECTED (ug/L)	
Benzene <	.50
Ethylbenzene <	.50
Toluene <	.50

m-Xylene		*
o,p-Xylene		*
Total Xylene	<	1.00
1,2 Dichloroethane	<	1.00

# TOTAL ORGANIC LEAD (mg/L) Total Organic Lead

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<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

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# MAVERIK-KIRTLAND WATER QUALITY

SAMPLE IDENTIFICATION MW-21 DATE SAMPLED 9-14-90

INORGANIC PARAMETERS (mg/L except as noted)

Calcium (Ca)	*
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	78.4
Sulfate (SO4)	386.0
Fluoride (F)	*
Nitrate and Nitrite (as N)	*
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (HCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREMENTS	
Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos/cm	*
Lab Conductivity (umhos/cm)	*
Total Dissolved Solids(mg/l)	917.0
VOLATILE ORGANICS DETECTED (ug/L)	
Benzene <	.50
Ethylbenzene	1.10
Toluene	1.50
m-Xylene	*
o,p-Xylene	*
Total Xylene	5.00
1,2 Dichloroethane	67.00
TOTAL ORGANIC LEAD (mg/L)	
Total Organic Lead	*

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

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# MAVERIK-KIRTLAND WATER QUALITY

#### .....

SAMPLE IDENTIFICATION	MW-22
DATE SAMPLED	9-14-90
INORGANIC PARAMETERS (mg/L exc	ept as noted
Calcium (Ca)	*
Magnesium (Mg)	*
Sodium (Na)	*
Potassium (K)	*
Iron (Fe)	*
Manganese (Mn)	*
Ammonia (as N)	*
Chloride (Cl)	216.0
Sulfate (SO4)	18.
Fluoride (F)	*
Nitrate and Nitrite (as N)	) *
Total Alkalinity	*
Bicarbonate Alkalinity	*
Carbonate Alkalinity	*
Bicarbonate (HCO3)	*
Carbonate (CO3)	*
FIELD AND LABORATORY MEASUREME	ENTS
Temperature (Degrees C)	*
Field pH	*
Lab pH (units)	*
Field Conductivity (umhos)	/cm *
Lab Conductivity (umhos/cr	n) *
Total Dissolved Solids(mg,	/1) 1300.0
VOLATILE ORGANICS DETECTED (US	g/L)
Benzene	21000.00
Ethylbenzene	1100.00
Toluene	20000.00
m-Xylene	*
o n-Yvilono	<u>ـ</u>

o,p-Xylene	*
Total Xylene	8300.00
1,2 Dichloroethane	7200.00

# TOTAL ORGANIC LEAD (mg/L)

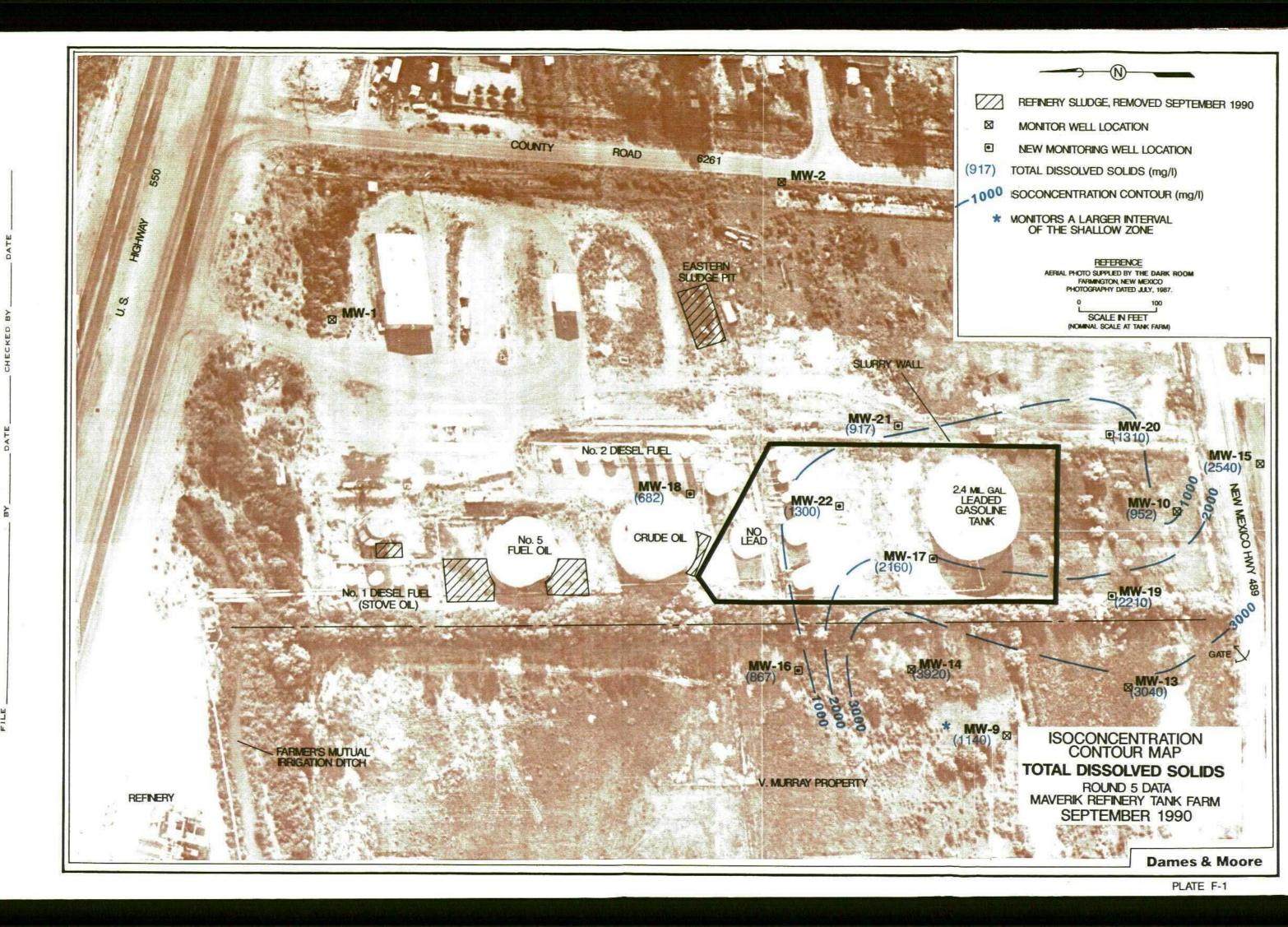
Total Organic Lead

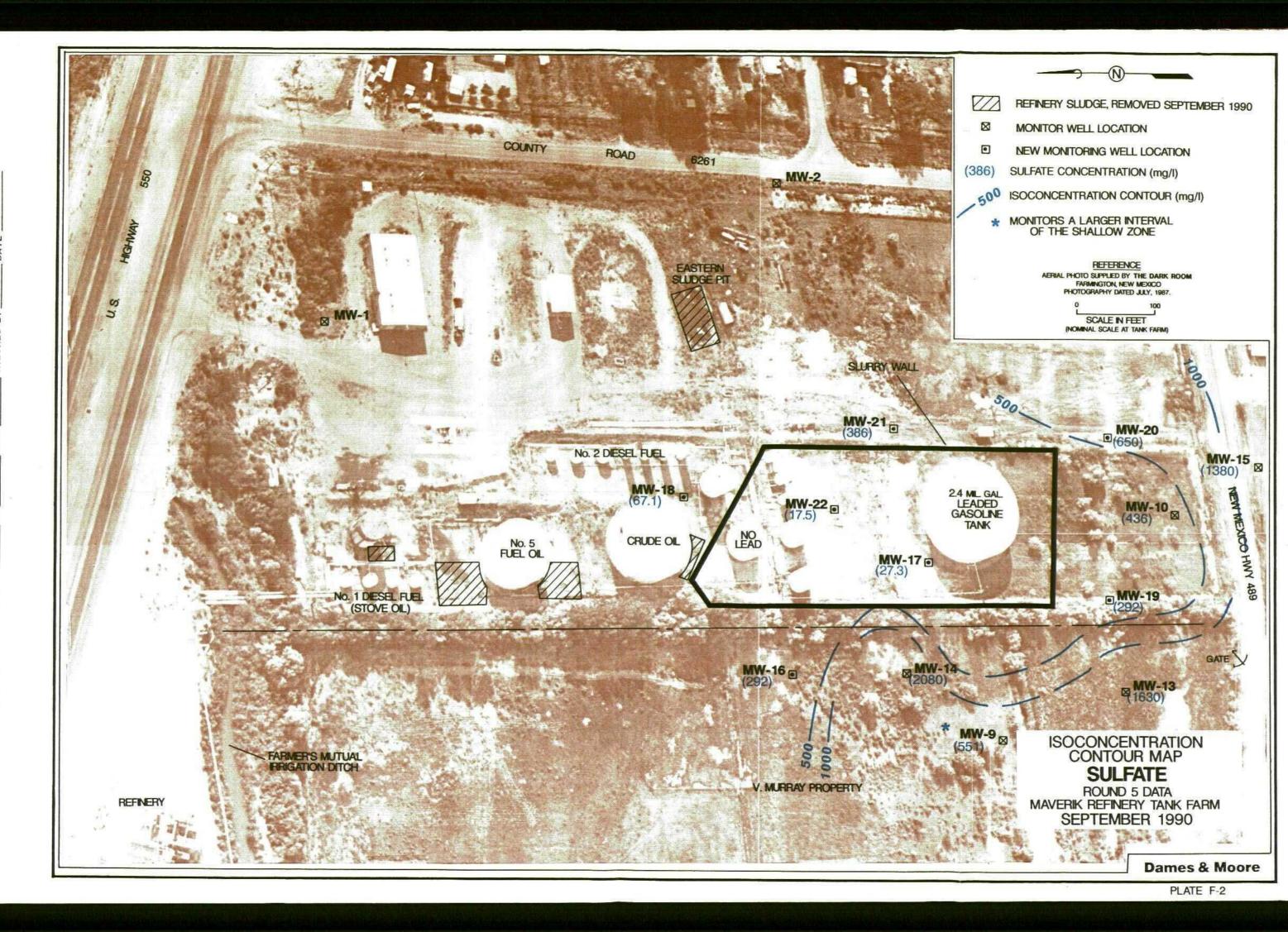
j

<: Parameter value is less than given detection limits \*: Parameter was not analyzed.

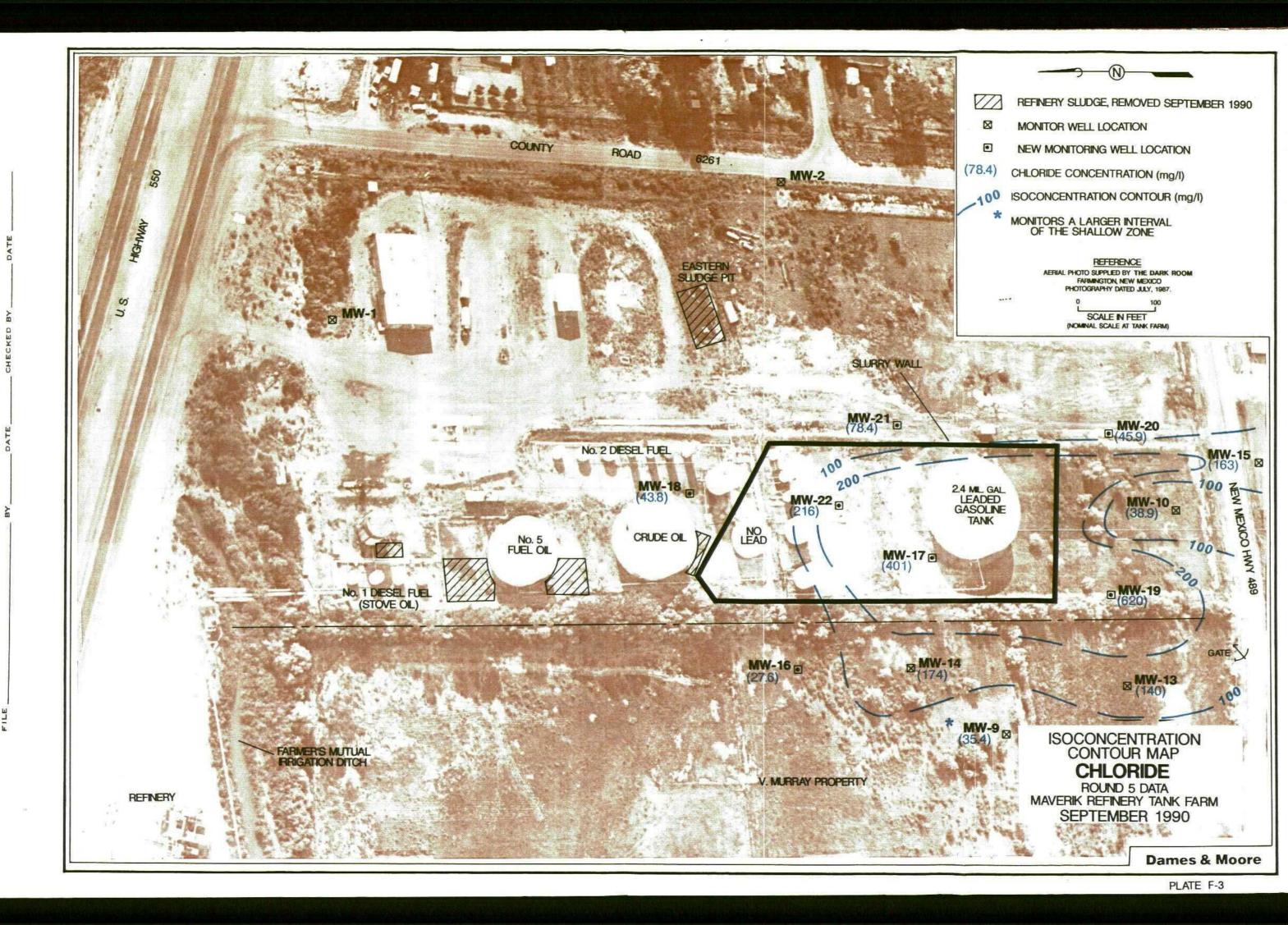
\*

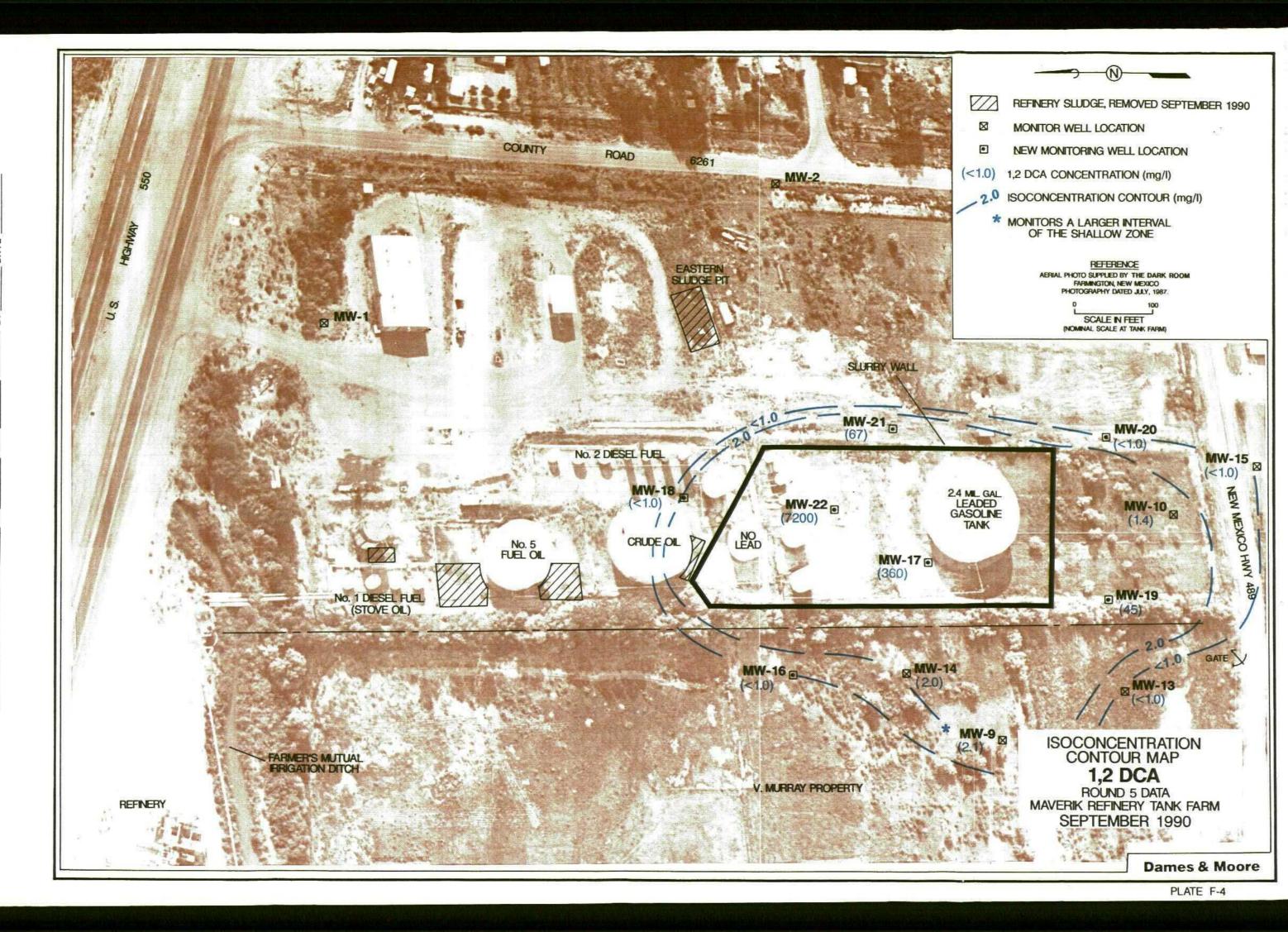
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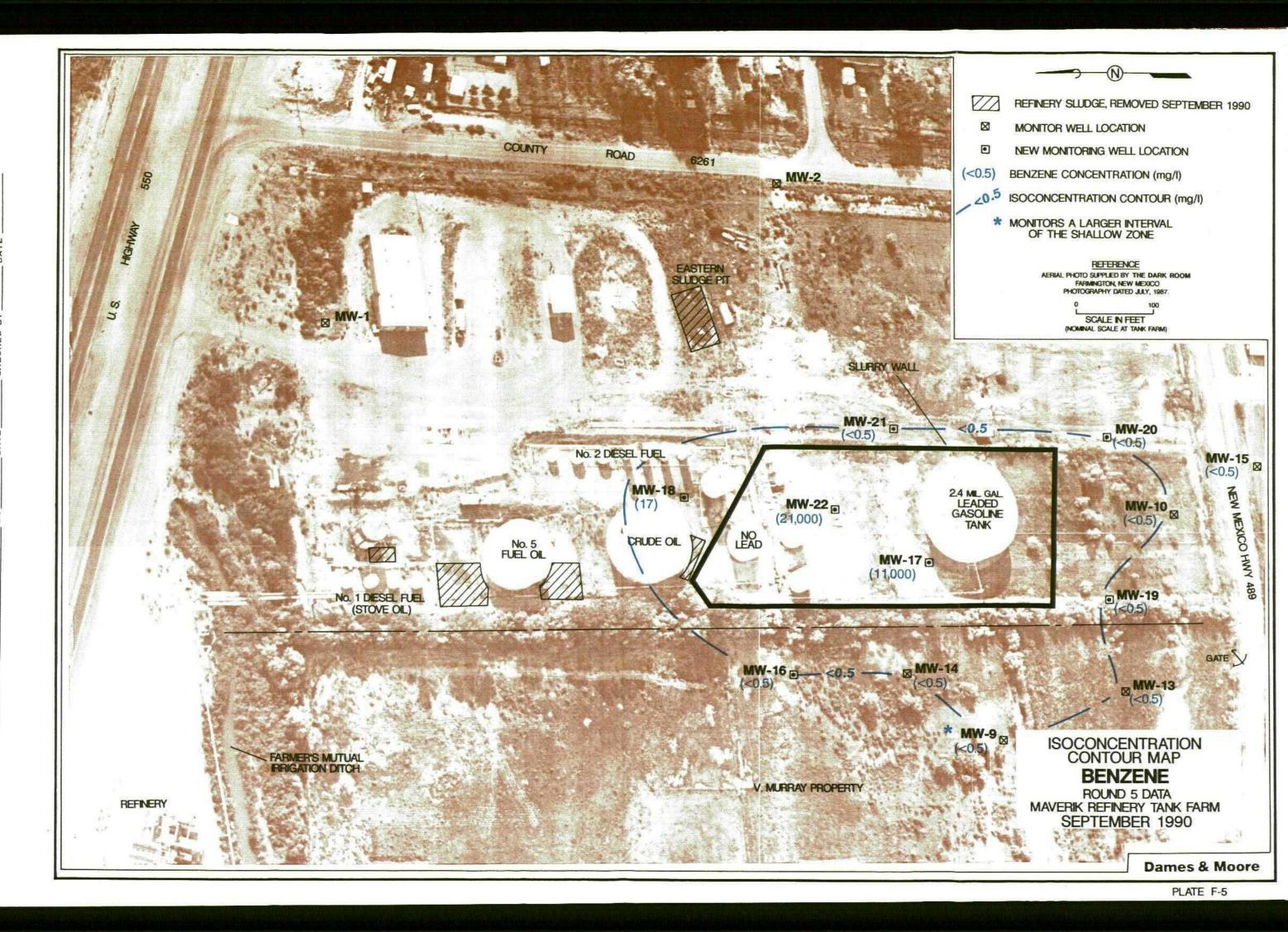


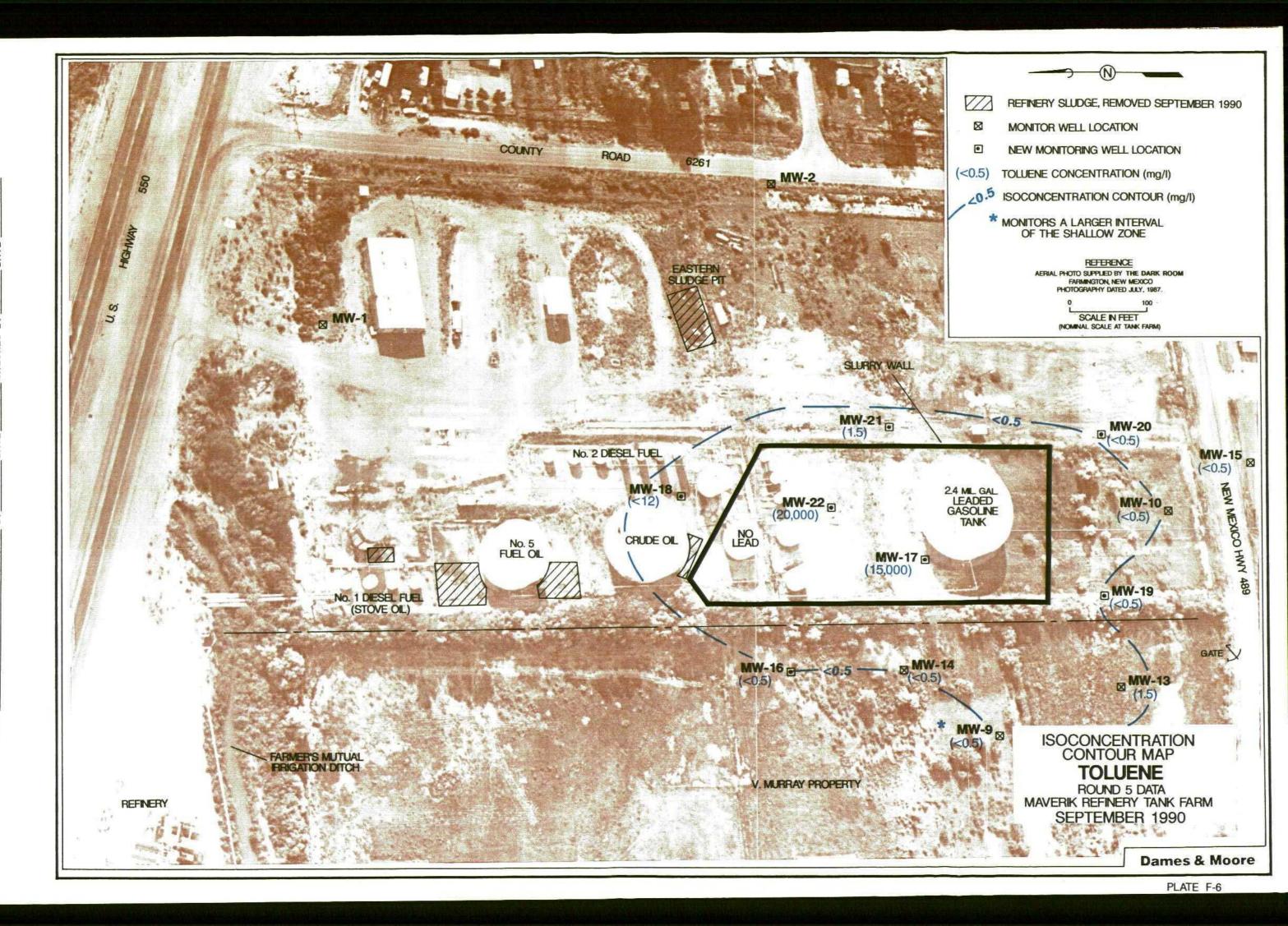


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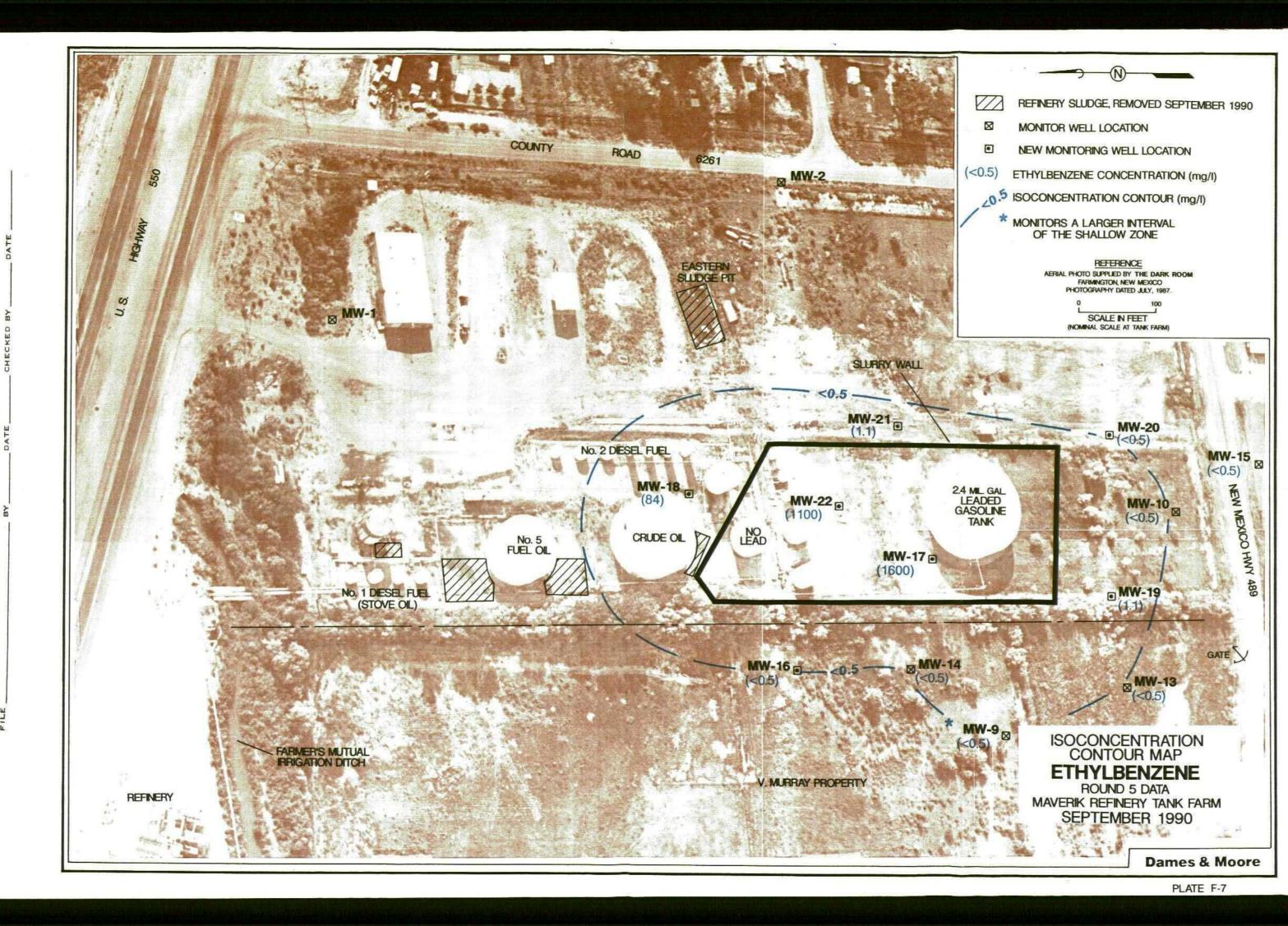


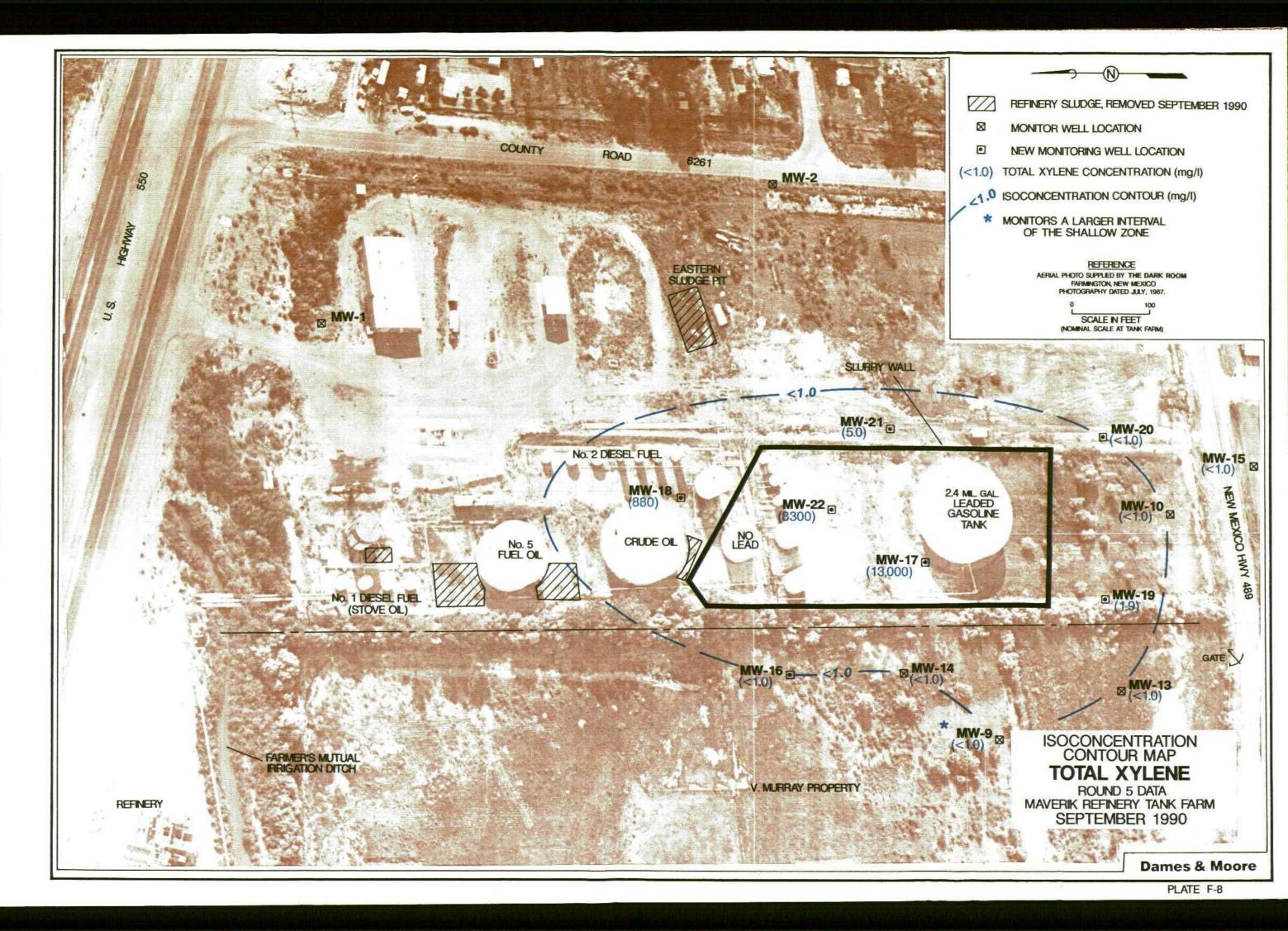


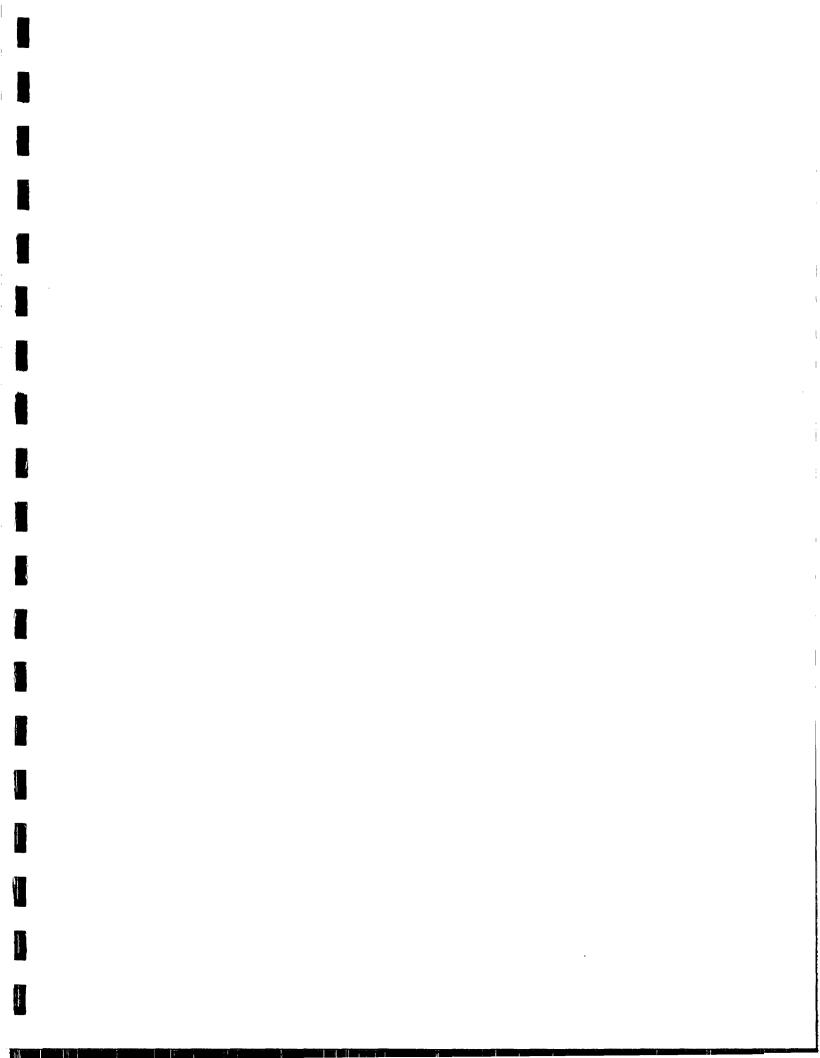




512 111-821







Rocky Mountain Analytical Laboratory



October 22, 1990

Peter F. Olsen, Ph.D. Dames and Moore Suite 300 127 South 500 East Salt Lake City, UT 84102-1959

Dear Pete:

Enclosed is the report for 12 aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on September 15, 1990.

Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Randall Thompson<sup>1</sup> Program Administrator

RT/SD/heg Enclosures

RMAL #011346

Reviewed by:

Sue Dalla Manager Program Administration

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

Rocky Mountain Analytical Laboratory



ANALYTICAL RESULTS FOR DAMES AND MOORE ENSECO-RMAL NO. 011346

OCTOBER 22, 1990

Reviewed by: D Randall Thompson

Sue Dalla

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



# Introduction

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

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

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the lienar calibration curve, samples were diluted. For this project samples 011346-0005, -0009, -0010, and -0011 were diluted during their Method 8010 analyses and samples 011346-0009, -0010 and -0012 were diluted during their Method 8020 analyses due to concentrations of target compounds. The reporting limits have been adjusted relative to these dilutions.

The bottle for the chloride, sulfate and TDS analysis of sample 011346-0006 (MW-13) was received two days after the receipt of the other samples in this project. This late arrival was added to RMAL project 011346.

# Sample Description Information

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

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



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# SAMPLE DESCRIPTION INFORMATION for Dames and Moore

		Sampled		Received	
Lab ID	Client ID	Matrix	Date	Time	Date
011346-0001-SA	MW-16	AQUEOUS	13 SEP 90	15:00	15 SEP 90
011346-0002-SA	MW-14	AQUEOUS	13 SEP 90	15:30	15 SEP 90
011346-0003-SA	MW-9	AQUEOUS	13 SEP 90	16:00	15 SEP 90
011346-0004-SA	MW-10	AQUEOUS	13 SEP 90	17:30	15 SEP 90
011346-0005-SA	MW-19	AQUEOUS	13 SEP 90		15 SEP 90
011346-0006-SA	MW-13	AQUEOUS			15 SEP 90
011346-0007-SA	MW-15	AQUEOUS			15 SEP 90
011346-0008-SA	MW-20	AQUEOUS			15 SEP 90
011346-0009-SA	MW-22	AQUEOUS	14 SEP 90		
011346-0010-SA	MW-17	AQUEOUS	14 SEP 90		
011346-0011-SA	MW-21	AQUEOUS	14 SEP 90		
011346-0012-SA	MW-18	AQUEOUS	14 SEP 90		15 SEP 90

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# Analytical Test Requests

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

# ANALYTICAL TEST REQUESTS for Dames and Moore

Lab ID:	Group	Analysis Description	Custom
011346	Code		Test?
0001 - 0012	A	Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX) Halogenated Volatile Organics Sulfate, Ion Chromatography Total Dissolved Solids (TDS) Chloride, Ion Chromatography	N Y N N N

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# Analytical Results

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

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

Enseco-RMAL is no longer routinely blank-correcting analytical data. Uncorrected analytical results are reported, along with associated blank results, for all organic and metals analyses. Analytical results and blank results are reported for conventional inorganic parameters as specified in the method. This policy is described in detail in the Enseco Incorporated Quality Assurance Program Plan for Environmental Chemical Monitoring, Revision 3.3, May, 1989.

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

General Inorganics

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-9 011346-0003-SA AQUEOUS 15 SEP 90		ed: 13 SEP 9 ed: See Belo		ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Discolu	35.4 551	mg/L mg/L	3.0 10.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Total Dissolved Solids	1140	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

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Approved By: Will Pratt

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Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Dames and Moore Client ID: MW-9 Lab ID: 011346-0003-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

Reported By: Leewaphath Xaiyasang



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# Halogenated Volatile Organics

Method 8010

Client Name: Dames and Moore Client ID: MW-9 Lab ID: 011346-0003-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 20 SEP 90
Parameter	Result	Units	Reporting Limit
1,2-Dichloroethane	2.1	ug/L	1.0

ND = Not detected NA = Not applicable

Reported By: William Sullivan

Approved By: Jeff Lowry

Enseco

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-10 011346-0004-SA AQUEOUS 15 SEP 90		ed: 13 SEP 9 ed: See Belo		ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolv	38.9 436	mg∕L mg∕L	3.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	952	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke



Method 8020

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Client Name: Dames and Moore Client ID: MW-10 Lab ID: 011346-0004-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

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Reported By: Leewaphath Xaiyasang

Approved By: Jeff Lowry



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#### Halogenated Volatile Organics

Method 8010

Client Name: Dames and Moore Client ID: MW-10 Lab ID: 011346-0004-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA	Received: 15 SEP 90 Analyzed: 20 SEP 90
Parameter	Result Unit	Reporting s Limit
1,2-Dichloroethane	1.4 ug/L	1.0

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

Enseco A Corning Company

Lab ID: 0 Matrix: A	ames and Moore W-13 11346-0006-SA QUEOUS 5 SEP 90		ed: 13 SEP 9 ed: See Belo		ed: 15 SEP 9 ed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolve	140 1630	mg/L mg/L	3.0 25.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	3040	mg/L	50.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable

10 - 10 - 10 10 - 10 - 10 10 - 10 - 10 Reported By: Tammy Bailey

Approved By: Will Pratt



Method 8020

Client Name: Dames and Moore Client ID: MW-13 Lab ID: 011346-0006-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND 1.5 ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

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#### Halogenated Volatile Organics

Method 8010

Client ID:	Dames and Moore MW-13 011346-0006-SA AQUEOUS 15 SEP 90	Sampled: Prepared:	13 SEP NA	90	Received: Analyzed:		
Parameter		R	esult	Units	Reporti Limit	ng	
1,2-Dichloro	ethane		ND	ug/L	1.	0	

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

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Client Name: Client ID: Lab ID: Matrix: Authorized:	MW-14	-0002-SA S		d: 13 SEP 9 d: See Belo		d: 15 SEP 9 d: See Belo	
Parameter		Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissol	vođ	174 2080	mg/L mg/L	3.0 50.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	veu	3920	mg/L	50.0	160.1	NA	20 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

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Approved By: Will Pratt

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Method 8020

Client Name: Dames and Moore Client ID: MW-14 Lab ID: 011346-0002-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA	Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result (	Reporting Jnits Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND I ND I	ug/L 0.50 ug/L 0.50 ug/L 0.50 ug/L 1.0

ND = Not detected NA = Not applicable

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#### Halogenated Volatile Organics

#### Method 8010

Client Name: Dames ar Client ID: MW-14 Lab ID: 011346-( Matrix: AQUEOUS Authorized: 15 SEP 9	0002-SA Sampled: 13 SE	P 90	Received: 15 Analyzed: 20	
Parameter	Result	Units	Reporting Limit	
1,2-Dichloroethane	2.0	ug/L	1.0	

ND = Not detected NA = Not applicable

Reported By: William Sullivan

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Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-15 011346-0007-SA AQUEOUS 15 SEP 90	Sampl Prepar	ed: 14 SEP 9 ed: See Belo	0 Receiv w Analyz	ved: 15 SEP 9 red: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolv	163 1380	mg/L mg/L	3.0 25.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	2540	mg/L	50.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

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Approved By: Will Pratt

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Method 8020

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Client Name: Dames and Moore Client ID: MW-15 Lab ID: 011346-0007-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

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# Halogenated Volatile Organics

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Method 8010

Client Name: Dames and Moore Client ID: MW-15 Lab ID: 011346-0007-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 20 SEP 90
Parameter	Result	Units	Reporting Limit
1,2-Dichloroethane	ND	ug/L	1.0

ND = Not detected NA = Not applicable

Reported By: William Sullivan

Approved By: Jeff Lowry

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Client ID: MW Lab ID: 01 Matrix: AQ	mes and Moore -16 1346-0001-SA UEOUS SEP 90	Sampl Prepar	ed: 13 SEP 9 ed: See Belo	0 Receiv w Analyz	ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolved Solids	27.6 292	mg/L mg/L	3.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
	867	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable

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- Section

Reported By: Eileen Burke



Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Dames and Moore Client ID: MW-16 Lab ID: 011346-0001-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

# Halogenated Volatile Organics

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Method 8010

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-16 011346-0001-SA AQUEOUS 15 SEP 90	Sampled: Prepared:	13 SEP 9 NA	0	Received: 15 Analyzed: 20	
Parameter			Result	Units	Reporting Limit	
l,2-Dichloro	ethane		ND	ug/L	1.0	

ND = Not detected NA = Not applicable

See in the

Reported By: William Sullivan

Approved By: Jeff Lowry

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Client ID: M Lab ID: C Matrix: A	Dames and Moore 1W-17 D11346-0010-SA AQUEOUS 15 SEP 90		ed: 14 SEP 9 ed: See Belo		ed: 15 SEP 9 ed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolve	401 27.3	mg/L mg/L	15.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	2160	mg/L	50.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

Approved By: Will Pratt



Method 8020

Client Name: Dames and Moore Client ID: MW-17 Lab ID: 011346-0010-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 18 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	11000 15000 1600 13000	ug/L ug/L ug/L ug/L	250 250 250 500

ND = Not detected NA = Not applicable

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Reported By: Leewaphath Xaiyasang

Approved By: Jeff Lowry



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# Halogenated Volatile Organics

Method 8010

Client ID: N Lab ID: 0 Matrix: 0	Dames and Moore MW-17 011346-0010-SA AQUEOUS 15 SEP 90	Sampled: Prepared:	14 SEP 90 NA	0	Received: 1 Analyzed: 2	
Parameter		I	Result	Units	Reportin Limit	g
1,2-Dichloroet	thane		360	ug/L	25	

ND = Not detected NA = Not applicable

Reported By: William Sullivan

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-18 011346-0012-SA AQUEOUS 15 SEP 90	Samp] Prepar	ed: 14 SEP 9 ed: See Belo	0 Receiv w Analyz	ved: 15 SEP 9 red: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissol	43.8 67.1	mg/L mg/L	3.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	682	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable

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Reported By: Eileen Burke

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Method 8020

Client Name: Dames and Moore Client ID: MW-18 Lab ID: 011346-0012-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND 84	ug/L ug/L ug/L ug/L	12 12 12 25

ND = Not detected NA = Not applicable

# Halogenated Volatile Organics

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Method 8010

Client Name: Dames and Moore Client ID: MW-18 Lab ID: 011346-0012-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA	)	Received: 15 SEP 90 Analyzed: 24 SEP 90
Parameter	Result	Units	Reporting Limit
1,2-Dichloroethane	ND	ug/L	1.0

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-19 011346-0005-SA AQUEOUS 15 SEP 90		ed: 13 SEP 9 ed: See Belo		ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolved Solids	620 292	mg/L mg/L	15.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
	2210	mg/L	50.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

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Approved By: Will Pratt

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Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Dames and Moore Client ID: MW-19 Lab ID: 011346-0005-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 13 SEP 90 Prepared: NA	Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter	Result Uni	Reporting ts Limit
Benzene Toluene Ethylbenzene Xylenes (total)	ND ug/ ND ug/ 1.1 ug/ 1.9 ug/	L 0.50 L 0.50

ND = Not detected NA = Not applicable

Reported By: Leewaphath Xaiyasang

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# Halogenated Volatile Organics

Method 8010

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-19 Oll346-0005-SA AQUEOUS 15 SEP 90	Sampled: 13 SEP 9 Prepared: NA	0	Received: 15 SEP 90 Analyzed: 20 SEP 90
Parameter		Result	Units	Reporting Limit
1,2-Dichloro	ethane	45	ug/L	2.5

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

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Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-20 011346-0008-SA AQUEOUS 15 SEP 90		ed: 14 SEP 9 ed: See Belo		ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolv	45.9 650	mg/L mg/L	3.0 10.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	1310	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable

Reported By: Eileen Burke



Method 8020

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-20 011346-0008-SA AQUEOUS 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 17 SEP 90
Parameter		Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (tot		ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

#### Halogenated Volatile Organics

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Method 8010

Client Name: Dames and Moore Client ID: MW-20 Lab ID: 011346-0008-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 20 SEP 90
Parameter	Result	Units	Reporting Limit
1,2-Dichloroethane	ND	ug/L	1.0

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

Approved By: Jeff Lowry

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-21 Oll346-0011-SA AQUEOUS 15 SEP 90	Samp] Prepar	ed: 14 SEP 9 ed: See Belo		ved: 15 SEP 9 red: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolv	78.4 386	mg∕L mg∕L	3.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
Solids	917	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable

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Reported By: Eileen Burke

Approved By: Will Pratt

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Method 8020

Client Name: Dames and Moore Client ID: MW-21 Lab ID: 011346-0011-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 19 SEP 90
Parameter	Result	Units	Reporting Limit
Benzene Toluene Ethylbenzene Xylenes (total)	1.5 1.1	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 1.0

ND = Not detected NA = Not applicable

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# Halogenated Volatile Organics

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Method 8010

Client Name: Dames and Moore Client ID: MW-21 Lab ID: 011346-0011-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 24 SEP 90
Parameter	Result	Units	Reporting Limit
1,2-Dichloroethane	67	ug/L	2.5

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

Client Name: Client ID: Lab ID: Matrix: Authorized:	Dames and Moore MW-22 011346-0009-SA AQUEOUS 15 SEP 90		ed: 14 SEP 9 ed: See Belo		ved: 15 SEP 9 zed: See Belo	
Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chloride Sulfate Total Dissolv Solids	216 17.5	mg/L mg/L	3.0 5.0	300.0 300.0	NA NA	26 SEP 90 26 SEP 90
	1300	mg/L	10.0	160.1	NA	18 SEP 90

ND = Not detected NA = Not applicable Reported By: Eileen Burke

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Approved By: Will Pratt

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Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Dames and Moore Client ID: MW-22 Lab ID: 011346-0009-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA		Received: 15 SEP 90 Analyzed: 18 SEP 90	
Parameter	Result	Units	Reporting Limit	
Benzene Toluene Ethylbenzene Xylenes (total)	21000 20000 1100 8300	ug/L ug/L ug/L ug/L	250 250 250 500	

ND = Not detected NA = Not applicable

ALC: NO.



#### Halogenated Volatile Organics

Method 8010

Client Name: Dames and Moore Client ID: MW-22 Lab ID: 011346-0009-SA Matrix: AQUEOUS Authorized: 15 SEP 90	Sampled: 14 SEP 90 Prepared: NA	Received: 15 SEP 90 Analyzed: 21 SEP 90
Parameter	Result	Reporting Units Limit
1,2-Dichloroethane	7200	ug/L 1000

ND = Not detected NA = Not applicable

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Reported By: William Sullivan

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

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

The standard laboratory QC package is designed to:

- 1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data
- assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix
- 3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and
- provide a standard set of reportables which assures the client of the quality of his data.

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

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

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

Accuracy for DCS and SCS is measured by Percent Recovery.

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

RPD = \_\_\_\_\_\_ Measured Concentration DCS1 - Measured Concentration DCS2 |

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(Measured Concentration DCS1 + Measured Concentration DCS2)/2

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

LINSECO A Corning Company Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For this project samples 011346-0005, -0009, -0010 and -0011 were diluted during their Method 8010 analyses and samples 011346-0009, -0010 and -0012 were diluted during their Method 8020 analyses due to concentrations of target compounds. The reporting limits have been adjusted relative to these dilutions.

The bottle for the chloride, sulfate and TDS analysis of sample 011346-0006 (MW-13) was received two days after the receipt of the other samples in this project. This late arrival was added to RMAL project 011346.



# QC LOT ASSIGNMENT REPORT Wet Chemistry Analysis and Preparation

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Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
011346-0001-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	
011346-0001-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0001-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0002-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	10 CED 00 A
011346-0002-SA	AQUEOUS	TDS-A	20 SEP 90-A	20 SEP 90-A
011346-0002-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0003-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	18 SEP 90-A
011346-0003-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0003-SA 011346-0004-SA	AQUEOUS	CL-IC-A SO4-IC-A	26 SEP 90-M 26 SEP 90-M	-
011346-0004-SA	AQUEOUS AQUEOUS	TDS-A	18 SEP 90-M	18 SEP 90-A
011346-0004-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	10 SEF 90-A
011346-0005-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0005-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0005-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	10 JEr 90-A
011346-0006-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	_
011346-0006-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0006-SA	AQUEOUS	S04-IC-A	26 SEP 90-M	
011346-0007-SA	AQUEOUS	S04-IC-A	26 SEP 90-M	-
011346-0007-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0007-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0008-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0008-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0008-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0009-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0009-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0009-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0010-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0010-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0010-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0011-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0011-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0011-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-
011346-0012-SA	AQUEOUS	SO4-IC-A	26 SEP 90-M	-
011346-0012-SA	AQUEOUS	TDS-A	18 SEP 90-A	18 SEP 90-A
011346-0012-SA	AQUEOUS	CL-IC-A	26 SEP 90-M	-

DUPLICATE CONTROL SAMPLE REPORT Wet Chemistry Analysis and Preparation

Analyte		Conce Spiked	entration DCS1	Measured DCS2	AVG		uracy age(%) Limits	Precis (RPD) DCS Li	)
Category: SO4-IC-A Matrix: AQUEOUS QC Lot: 26 SEP 90-M Concentration Units:	mg/L								
Sulfate		200	209	210	210	105	93-107	0.5	2(
Category: TDS-A Matrix: AQUEOUS QC Lot: 18 SEP 90-A Concentration Units:	mg/L								
Total Dissolved Solids		834	784	780	782	94	90-110	0.5	10
Category: CL-IC-A Matrix: AQUEOUS QC Lot: 26 SEP 90-M Concentration Units:	mg/L								
Chloride		100	102	102	102	102	92-108	0.0	20
Category: TDS-A Matrix: AQUEOUS QC Lot: 20 SEP 90-A Concentration Units:	mg/L								
Total Dissolved Solids		834	787	787	787	94	90-110	0.0	10

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

METHOD BLANK REPORT Wet Chemistry Analysis and Preparation

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Analyte		Res	sult	Units	Reporting Limit
Test: TDS-BAL-A Matrix: AQUEOUS QC Lot: 18 SEP 90-A	QC Run:	18 SEP 90-A			
Total Dissolved Solids			ND	mg/L	10.0
Test: TDS-BAL-A Matrix: AQUEOUS QC Lot: 20 SEP 90-A	QC Run:	20 SEP 90-A			
Total Dissolved Solids			ND	mg/L	10.0

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# QC LOT ASSIGNMENT REPORT Volatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
011346-0001-SA 011346-0001-SA	AQUEOUS AQUEOUS	602-A 601-A	17 SEP 90-L 19 SEP 90-F	17 SEP 90-L 19 SEP 90-F
011346-0002-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0002-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0003-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0003-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0004-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0004-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0005-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0005-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0006-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0006-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0007-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0007-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0008-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0008-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0009-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0009-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0010-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0010-SA	AQUEOUS	601-A	19 SEP 90-F	19 SEP 90-F
011346-0011-SA	AQUEOUS	602-A	18 SEP 90-L	18 SEP 90-L
011346-0011-SA	AQUEOUS	601-A	23 SEP 90-F	23 SEP 90-F
011346-0012-SA	AQUEOUS	602-A	17 SEP 90-L	17 SEP 90-L
011346-0012-SA	AQUEOUS	601-A	23 SEP 90-F	23 SEP 90-F

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DUPLICATE CONTROL SAMPLE REPORT Volatile Organics by GC

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Analyte		Conce Spiked	entratior DCS1	Measured DCS2	AVG		uracy age(%) Limits	Precis (RPD) DCS L	)
Category: 602-A Matrix: AQUEOUS QC Lot: 17 SEP 90-L Concentration Units:	ug/L								
Benzene Toluene Ethylbenzene Xylenes (total) 1,3-Dichlorobenzene		5.0 5.0 5.0 5.0 5.0	5.08 5.10 5.24 5.16 5.34	4.97 4.96 5.11 5.01 5.01	5.02 5.03 5.18 5.08 5.18	101 101 104 102 104	80-120 80-120 80-120 80-120 80-120 80-120	2.2 2.8 2.5 2.9 6.4	15 15 15 15 15
Category: 601-A Matrix: AQUEOUS QC Lot: 19 SEP 90-F Concentration Units:	ug/L								
1,1-Dichloroethane Chloroform Bromodichloromethane Trichloroethene Chlorobenzene		5.0 5.0 10 5.0 5.0	4.24 5.51 9.72 4.86 4.44	4.07 5.35 9.34 4.67 4.28	4.16 5.43 9.53 4.76 4.36	83 109 95 95 87	80-130 80-120 80-120 70-120 80-120	4.1 2.9 4.0 4.0 3.7	20 20 20 20 20
Category: 602-A Matrix: AQUEOUS QC Lot: 18 SEP 90-L Concentration Units:	ug/L								
Benzene Toluene Ethylbenzene Xylenes (total) 1,3-Dichlorobenzene		5.0 5.0 5.0 5.0 5.0	4.73 4.83 4.94 4.86 4.94	4.79 4.86 4.87 4.80 4.91	4.76 4.84 4.90 4.83 4.92	95 97 98 97 99	80-120 80-120 80-120 80-120 80-120 80-120	1.3 0.6 1.4 1.2 0.6	15 15 15 15 15
Category: 601-A Matrix: AQUEOUS QC Lot: 23 SEP 90-F Concentration Units:	ug/L								
l,l-Dichloroethane Chloroform Bromodichloromethane Trichloroethene		5.0 5.0 5.0 5.0	4.81 5.43 8.58 5.64	5.28 5.60 9.65 5.70	5.04 5.52 9.12 5.67	101 110 182 113	80-130 80-120 80-120 70-120	9.3 3.1 12 1.1	20 20 20 20

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

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DUPLICATE CONTROL SAMPLE REPORT Volatile Organics by GC (cont.)

Analyte	Conc Spiked	entration DCS1	Measured DCS2	AVG		curacy rage(%) Limits	Precisio (RPD) DCS Limi	
Category: 601-A Matrix: AQUEOUS QC Lot: 23 SEP 90-F Concentration Units: ug/L								
Chlorobenzene	. 5.0	3.84	4.22	4.03	81	80-120	9.4 2	0

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

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SINGLE CONTROL SAMPLE REPORT Volatile Organics by GC

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Analyte	Concentration Spiked Measured	Accuracy(%) SCS Limits
Category: 602-A Matrix: AQUEOUS QC Lot: 17 SEP 90-L QC Run: Concentration Units: ug/L a,a,a-Trifluorotoluene	17 SEP 90-L 30.0 31.0	103 20-160
Category: 601-A Matrix: AQUEOUS QC Lot: 19 SEP 90-F QC Run: Concentration Units: ug/L Bromochloromethane	19 SEP 90-F 5.00 6.26	125 20-160
Category: 602-A Matrix: AQUEOUS QC Lot: 18 SEP 90-L QC Run: Concentration Units: ug/L a,a,a-Trifluorotoluene	18 SEP 90-L 30.0 31.0	103 20-160
Category: 601-A Matrix: AQUEOUS QC Lot: 23 SEP 90-F QC Run: Concentration Units: ug/L Bromochloromethane	23 SEP 90-F 5.00 5.85	117 20-160

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

METHOD BLANK REPORT Volatile Organics by GC

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Analyte		Res	sult	Units	Reporting Limit
Test: 8020-BTEX-AP Matrix: AQUEOUS QC Lot: 17 SEP 90-L	QC Run:	17 SEP 90-L			
Benzene Toluene Ethylbenzene Xylenes (total)			ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 0.50
Test: 601-A Matrix: AQUEOUS QC Lot: 19 SEP 90-F	QC Run:	19 SEP 90-F	10	'n	
1,2-Dichloroethane			ND	ug/L	1.0
Test: 8020-BTEX-AP Matrix: AQUEOUS QC Lot: 18 SEP 90-L	QC Run:	18 SEP 90-L			
Benzene Toluene Ethylbenzene Xylenes (total)			ND ND ND ND	ug/L ug/L ug/L ug/L	0.50 0.50 0.50 0.50 0.50
Test: 601-A Matrix: AQUEOUS QC Lot: 23 SEP 90-F	QC Run:	23 SEP 90-F			
1,2-Dichloroethane			ND	ug/L	1.0

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Conditions Conditions Seal # $ENS / ogg$ Seal # $ENS / ogg$ Oggamma (Seal # (Sea	EESA Remarks Dup Stat	Dup Stat	Burg State	·	45trang hydressen	AlLS Airbill #
CUSTODY       SAMPLE SAFE** CONDITIONS         1. Packed by:       TVV       S         2. Seal Intact Upon Receipt by Sampling Co.:       S       S         3. Condition of Contents:       TDV       S         4. Sealed for Shipping by:       TDV       S         5. Initial Contents Temp:       4       C         6. Sampling Status:       Done       Continuing Until         7. Seal Intact Upon Receipt by Laboratory:       Yes         8. Contents Temperature Upon Receipt by Laboratory:       Yes         9. Condition of Contents:	No. Containers C-40 w Coland BTE X; 1,2 DCA 1-320, poly TDS, 504, CC		1205 for	A Contraction of the contraction	$\rightarrow$	SHIPPING DET ared to Shipper by:
CHAIN OF CUSTODY 1. Pack 2. Seal 3. Con 4. Seal 7. Seal 8. Con 9. Con	Sample Type				<b>&gt;</b>	Date Time 15/30
Enseco - Rocky Mountain Analytical 4955 Yarrow Street 4955 Yarrow Street Arvada, Colorado 80002 303/421-6611 Facsimile: 303/431-7171 Attn: Randy Nourpson Enseco Client Dornea & Moore Enseco & Dornea & Moore Enseco & Dornea & Moore Enseco & Dornea & Moore Enseco & Dornea & Moore Enseco & Dornea & Enseco & Dornea & Moore Enseco & Dornea & Dornea & Moore Enseco & Dornea & Moore Enseco & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dornea & Dorne	Sample ID/Description MW-16	mw-14 mw-9		MW-13 MW-20	MW-17	ODY TRANSFERS PRIOR TO SHIPPING Received by: (signed) Fed X pread
Enseco - Rock 4955 Yarrow Street Arvada, Colorado 80002 303/421-6611 Facsimil Attn: Randu Enseco Client Don Project MAUERI Sampling Co. D8 Sampling Site Taru Team Leader Con	Date Time 9/13/90 300M		5 6 0 pm	4/13/H	Wed 11	CUST Relinquished by: (signed) 1 2 3

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NO. ONS Seal # Yes No Yes No Yes No	Remarks		Date/Time 030	SS-001
PLE SAFE" CONDITION Sampling Co.: TTNV andel A °C Continuing Until Laboratory: n Receipt by Lab:	Analysis Parameters	TDS, 504, Q	Signed: Date/Time	
F CUSTODY       SAM         1. Packed by:       TOV         2. Seal Intact Upon Receipt by       3. Condition of Contents:         4. Sealed for Shipping by:       6.         5. Initial Contents Temp:       6.         7. Seal Intact Upon Receipt by       6.         8. Contents Temp:       7.         9. Condition of Contents:       100	No. Containers	1 32 Poly	Delivered to Shipper by: Method of Shipment: Received for Lab:	Enseco Project No.
CHAIN O	Sample Type	Water	Date Time D R M M	and Pink Copies to
Enseco - Rocky Mountain Analytical 4955 Yarrow Street Avada, Colorado 80002 303/421-6611 Facsimile: 303/431.7171 Ath: Randu Thomport Ath: Randu Thomport Enseco Client Damo & Moare Froject March Kirtland NM Project March Kirtland NM Sampling Co. D&M Sampling Co. D&M Sampling Site Kirtland NM Tank Farm Team Leader Terry Vandell	Sample ID/Description	mw73	ODY TRANSFERS PRIOR TO SHIPPING Received by: (signed)	White
Enseco - Rock 4955 Yarrow Street Arvada, Colorado 80002 303/421-6611, Facsimil Attn: Rockly Facsimil Attn: Rockly Facsimil Decoded Move Project Move Project Move Project Leve Project 154/1	Date Time	06 9 15/10 9 mm	Relinquished by: (s	e

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APPENDIX G OFF-SITE SUBSURFACE SOIL SAMPLES

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### APPENDIX G

## OFF-SITE SUBSURFACE SOIL SAMPLES

As required by the OCD (Bill Olson), an off-site subsurface soil sample was taken from a depth of 9.5 to 10 feet in the pasture adjacent to the tank farm, about 200 feet south of the refinery and about 400 feet west of the tank farm (Plate 2). Although the sample visually appeared to be contaminated (i.e. it was black and had a noxious odor), the laboratory data from Data Chem (an EPA contract laboratory located in Salt Lake City, Utah), indicate that only ethylbenzene, toluene and xylene were detected at very low levels of 2.0, 0.7 and 7.0 ug/g, respectively, and that the sample did not fail the TCLP test for metals, or the characteristic tests for reactivity or corrosivity (Table G-1). TABLE G-1

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# LABORATORY ANALYTICAL DATA RESULTS FOR CONSTITUENTS DETECTED FROM THE OFF-SITE SUBSURFACE SAMPLE (August 1990)

haracteristic Tests	pH Reactive Sulfide Jnits (mg/kg)	3 30
0 (1/)	d Ini	7.
TCLP - Metals (mg/1	Barium	3.0
ug/g)	Xylene	7.0
)rganics (	Toluene	0.7
Volatile	Ethylbenzene	2.0
Sample Site Designation And Depth Sampled	(in feet)	Off-site (9.5 -10)

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# ANALYTICAL REPORT

Form ARF-AL Page 1 of 2 Part 1 of 1

Date	ξ	129	190	
Agency Identif	ication Number	1590-C	730-DE	

Account No. \_03018\_\_\_\_\_

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

## Sampling Collection and Shipment

Sampling Site Maverik Kirtland, NM Date of Collection August 27, 1990

Date Samples Received at DataChem August 28, 1990

Analysis

Method of Analysis EPA 8020

Date(s) of Analysis August 28, 1990

Analytical Results

Field Sample Number	Datachem Lab Number	sample Type	Benzene µg∕g	Ethyl Benzene µg/g	Toluene µg∕g	Xylene µg/g				
OFF-SITE	EJ 4337	SOIL	ND*	2.	.7	7.				
* Limit of	Detection		.05	.05	.05	.1				
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ND Parame	omment on las ter not dete ter not requ	cted.	( )	Paramet An	er not an er betwee alyst: viewer:	Aller	I.Bose	,	).	

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700

Laboratory Supervisor: Terry P. Vayo



ANALYTICAL REPORT

Form ARF-C Page 2 of 2

Date \_ Agency Identification Number <u>S90-0730-DE</u>

General Set Comments

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This sample contains greater than  $1000\mu g/g$  TPH as diesel.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700

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Account: [ 3018 S	DCL Set ID: S900730	Sponsor: Dames &	4 Noore		5 d -	BTex) Tc	TCLP Extraction	PH & Reactivity	TCLP metals	TCLP VOLAHILES	
Field Comment:	ï				}						
		-			S		-				
Date Sampled	Field ID Number		DCL Sample Number(s)	Sample Matrix	Number of Containers	Remarks	-				
08-27-90	OFF-Site		EJ4337	Soî	R	1- BTEX, 1-	-TCLP Ex	traction, 1- PI	1- BTEX, 1-TCLP Extraction, 1- PH & Reach with		
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ENVIRONMENTAL WASTE REPORT

Form EPRG-A Page 1 of 2 Part 1 of 1

Date	9/13/90
Agency Identification	Number <u>\$90-0730-BE</u>
Account No 03018	

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

## Sampling Collection and Shipment

Sampling Site Maverik Kirtland, NM Date of Collection August 27, 1990

Date Samples Received at DataChem August 28, 1990

Analytical Results

Parameter Name Analysis Date Units Method Prep Meth	G Field Number Lab Number	OFF-SITE EJ:4337						* Jimit of Defection
Arsenic (As) 09/06/1990 6010 [1] TCLP [1]	mg/L	ND*						003
Barium (Ba) 09/06/1990 6010 [1] TCLP [1]	mg/L	3.0						0.5
Cadmium (Cd) 09/06/1990 6010 [1] TCLP [1]	mg∕L	ND*						0.05
Chromium (Cr) 09/06/1990 6010 [1] TCLP [1]	mg/L	ND*						0.05
Lead (Pb) 09/06/1990 6010 [1] TCLP [1]	mg/L	ND*						0.3
Selenium (Se) 09/06/1990 6010 [1] TCLP [1]	mg/L	ND*						03
Silver (Ag) 09/06/1990 6010 [1] TCLP [1]	mg/L	ND*						0.05
Mercury (Hg) 09/06/1990 7470 [1] TCLP [1]	mg/L	ND*						0.0002
See comment on las ND Parameter not dete NR Parameter not regu Analyses completed	cted. ested.	efore th	An Re	alyst? El	rameter thod Ref fika S. H Michael	between erence loskin Rud E-Richm	LOD and See comm	lents page.)

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700



- Transferration

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ENVIRONMENTAL WASTE REPORT

Form EPRG-C Page 2 of 2

Date \_ Agency Identification Number S90-0730-BE

Method Index -- Method Reference --

[1] SW-846 "Test Methods for Evaluating Solid Waste", September 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700

DAT	A			REGULAR Status RUSH Status Requested - ADDITIONAL CHARGE CONFIRMATION WITH DATACHEM LABORATORIES REQUIRED FOR SCHEDULING AND PRICING
2. Date 8/2 3. Company Na Address SLC Person to Co Telephone ( Billing Addre	ame $\underline{DAw}$ 275.3 UT 8 ontact $Tex$	125 B 500 E 14102 14102 14102	10. 14819-0 MooRs . 50, <del>10</del> -1959 Isndell .55	Sampling Site MAVERIK, KIRTLAND NM
5. REQUEST F	OR ANALYSES			· · ·
Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
EJ4337	off-site	Soil So, 1	402. 807.Am	BTEX, pH, REACTIVITY n TCLP (Volts., Metals) Depth Of Sample = 9.5-10.0 Feet

\*Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood; Urine; Tissue; Soil; Water; Other

6. Q C REQUIREMENTS

MUST BE COMPLETED - See General Services Terms and Conditions: QC samples billed at regular sample rate METHOD QC SAMPLES
 (Lab QC according to published methods)
 PROJECT PLAN QC SAMPLES

(Lab QC according to provided QA/QC Plan) NO QC SAMPLES REQUESTED

(May not conform to Agency requirements)

Results Comments ot 03

Possible Contamination and/or Chemical Hazards

7. Requested by \_

960 West LeVoy Drive / Salt Lake City, UT 84123 4388 Glendale-Milford Road / Cincinnati, OH 45242 800-356-9135 or 801- 266-7700 / FAX: 801-268-9992 800-458-1493 or 513-733-5336 / FAX: 513-733-5347

DATACHEM LABORATORIES - A SORENSON COMPANY

**DISTRIBUTION:** 

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CANARY - CUSTOMER COPY

OTHER (as specified below)



ENVIRONMENTAL SOIL REPORT

Form EPRS-A Page 1 of 2 Part 1 of 1

Date	91-	190	
	ntifi	ation	Number <u>\$90-0730-CE</u>
Account No			

Dames & Moore 127 South 500 East Suite 300 Salt Lake City, UT 84102-1959 Attention: Terry Vandell

Telephone (801) 521-9255

Sampling Collection and Shipment Sampling Site <u>Maverik Kirtland, NM</u> Date of Collection <u>August 27, 1990</u>

Date Samples Received at DataChem August 28, 1990

Analytical Results

Parameter Name Analysis Date Units Method Prep Method	OFF-SITE EJ 4337							• Limit of Detection
рн 08/29/1990 рН 9040 [1]	7.3							± 0.1
Reactive Sulfide 08/29/1990 mg/Kg 9030 [1] 7.3.4.2 [1]	30				,			10
Reactive Cyanide         mg/Kg           08/29/1990         mg/Kg           9012 [1]         7.3.3.2 [1]	ND*							0.2
·								
† See comment on last page. ND Parameter not detected. NR Parameter not requested. <sup>1</sup> Analyses completed on or	before th	An Re	() Pa [] Me Alyst: No Roze	rameter thod Ref m Drman K. Rosensty	between erence ( Christer H. Honk H. Henk	LOD and See comm istens istens wks	ents pag	

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700



# ENVIRONMENTAL SOIL REPORT

Form EPRS-C Page 2 of 2

9 Date\_

Agency Identification Number <u>S90-0730-CE</u>

Method Index

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-- Method Reference --

[1] SW-846 "Test Methods for Evaluating Solid Waste", September 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2500 / (801) 266-7700

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Person to Co Telephone (	ame $\underline{PAW}$ $\underline{VZZS}$ $\underline{VT}$ 8 ontact $\underline{TC}$	4102 (ry 1 1 492	0 /48/9-005 MODRE 50,7e3 -1959 Sndell 55	Sampling Site MAVERIK, KIRTCHND NM
5. REQUEST F	FOR ANALYSES			
Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
	off-site	50:1	402. 6	STEX, pH, REACTIVITY
				Depth of Sample = 9.5-10.0 Feet
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6. Q C REQU MUST BE CO General Serv Conditions: C at regular sar	JIREMENTS OMPLETED - See vices Terms and CC samples billed		METHOD QC SAM (Lab QC according to PROJECT PLAN C	published methods) IC SAMPLES provided QA/QC Plan) REQUESTED Agency requirements)
6. Q C REQL MUST BE CO General Serv Conditions: C at regular sar Comments	JIREMENTS OMPLETED - See vices Terms and OC samples billed mple rate	- - - - - - - - - - - - - - - - - - -	METHOD QC SAM (Lab QC according to PROJECT PLAN C (Lab QC according to NO QC SAMPLES (May not conform to A	PLES OTHER (as specified below) published methods) IC SAMPLES provided QA/QC Plan) REQUESTED
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Account: 3 0 1 8	DCL Set ID: S900730	Sponsor: Dames		Moore			BTEX	TCLP Extraction	N Reactive	ity TCLP	TCLP VOLAHILES	
Field Comment:	int:	•			• •	N-1-1						
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08-27-90	d OFE-site	<u>ر</u> ب	EJ4337	F	Soil	1999 <b>- 1</b> 99		1- Brex, 1-TCLP	1-TCLP Extraction,	1- PH & Reactivity		
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