ENCYCLE/TEXAS, INC.

FINAL CLOSURE CERTIFICATION REPORT – EAST AND WEST LAGOONS

October 14, 2004

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Infrastructure, buildings, environment, communications

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FINAL CLOSURE CERTIFICATION REPORT
EAST AND WEST LAGOONS

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1.0 Introduction

This report documents completion of closure activities associated with the East and West Lagoons, storm sewer system, and two storm water storage tanks (North Demin Tank, South Demin Tank) at the Encycle/Texas, Inc. (Encycle) facility in Corpus Christi, Texas. Closure activities were conducted as specified in the December 22, 1999 report entitled "Closure Plan - East and West Lagoons" that was approved by the Texas Commission on Environmental Quality (TCEQ) on March 30, 2000. The Closure Plan schedule was subsequently modified by TCEQ letters dated March 1, 2002 and March 19, 2003, and the Stipulation and Order Modifying Consent Decree issued to Encycle and ASARCO, Inc., which was entered into the U.S. District Court for the Southern District of Texas on August 13, 2004.

The East and West Lagoons are permitted for storing storm water. The lagoons received listed and characteristically hazardous wastes from historic wastewater treatment system upsets and spills that reached the storm sewer system. These historic releases of hazardous wastes were transported through the storm sewer system to the East and West Lagoons and the storm water storage tanks (North and South Demin Tanks). Closure activities were conducted between April 2000 and September 2004, and included the following:

- Mapping, cleaning, and repair of the storm sewer system.
- Characterization and removal of wastes above the West Lagoon high-density polyethylene (HDPE) liner.
- West Lagoon HDPE liner decontamination and repair.
- Characterization and removal of wastes above the East Lagoon clay bottom, and affected clay bottom and subsurface soils exceeding target levels specified in the Closure Plan.
- North and South Demin Tank decontamination.
- Repair of East Lagoon concrete perimeter walls.
- Groundwater monitoring around the East and West Lagoons.
- Submittal of quarterly progress reports to the TCEQ.

All wastes, waste residues, contaminated liner material, and contaminated soil were removed from the storm sewer system, East and West Lagoons, and North and South Demin Tanks in accordance with the approved Closure Plan. Groundwater monitoring activities associated with the East and West Lagoons shows that constituent concentrations in groundwater have consistently been below the Texas Risk Reduction

Program (TRRP) Tier 1 protective concentration levels (PCLs) and the Risk Reduction Standard Number 2 groundwater protection standards adjusted for saline groundwater. Therefore, no post closure care associated with the East and West Lagoons is recommended other than deed recordation pursuant to 30 Texas Administrative Code (TAC) Chapter 335, Subchapter S.

2.0 East and West Lagoons, Storm Sewer System, and Demin Tanks Description

As detailed in the Closure Plan, the East and West Lagoons are located in the north-central portion of the Encycle facility (Figure 1). The West Lagoon covers an area of approximately 0.5 acres and has a working capacity of approximately 800,000 gallons. The West Lagoon has concrete perimeter walls nine feet in height, and a concrete spillway that discharges storm water into the East Lagoon when the West Lagoon is full (Figure 2). The West Lagoon floor consists of an 80-millimeter HDPE liner which extends up the perimeter walls to an elevation above the spillway. Details regarding West Lagoon closure activities are provided below in Section 4.2.

The East Lagoon covers an area of approximately 3.5 acres and has a working capacity of approximately 5,200,000 gallons. The East Lagoon has a clay floor, and the perimeter walls and spillway are constructed of concrete. The perimeter walls extend approximately nine feet above the floor, and the spillway extends approximately six feet above the floor. During large rainfall events that exceed the storage capacity of the East and West Lagoons, storm water overflows the spillway at the east end of the East Lagoon (Outfall 002) into a concrete drainage ditch, then into the Corpus Christi Ship Channel in accordance with the facility's Texas Pollutant Discharge Elimination System (TPDES) permit number TX0003191. Details regarding East Lagoon closure activities are provided below in Section 4.3.

The storm sewer system at the Encycle facility consists of approximately 2 miles of underground piping that transports storm water via gravity flow into a concrete storm water sump located approximately 150 feet south of the lagoons (see Figure 1). The storm sewer system is accessed via approximately 200 storm drains that have metal grates at ground level. The storm sewer piping and storm drain locations are shown on Figure 3. Details regarding mapping, cleaning, and repair of the storm sewer system are provided below in Section 4.1.

The North and South Demin Tanks are located near the center of the site as shown on Figure 1. Both tanks are constructed of steel, and each has a maximum capacity of approximately 259,000 gallons. The North and South Demin Tanks were utilized for storm water storage, and storm water in the Demin Tanks was routed to the facility

wastewater treatment system. The North Demin Tank was taken out of service during 1998, and the South Demin Tank was taken out of service during 2004. Details regarding North and South Demin Tank closure activities are provided below in Section 4.4.

3.0 East and West Lagoon Closure - Chronology of Events

- April 27-29, 1999: Monitor wells MW-8, MW-9 and MW-10 installed around perimeter of East and West Lagoons. Groundwater monitoring event.
- July 23, 1999: Groundwater monitoring event.
- October 6, 1999: Consent Decree issued to Encycle and ASARCO, Inc. entered into the U.S. District Court for the Southern District of Texas. Section VII.A. of Consent Decree specifies that a closure plan for the East and West Lagoons be submitted to the TNRCC (now TCEQ) within 90 days.
- October 20, 1999: Groundwater monitoring event.
- December 29, 1999: Report entitled "Closure Plan – East and West Lagoons" submitted to TCEQ.
- January 27, 2000: Groundwater monitoring event.
- March 30, 2000: TCEQ approval of December 1999 Closure Plan for East and West Lagoons. TCEQ approval letter also requests collection of soil samples below any breaches in West Lagoon HDPE liner.
- April 25, 2000: Groundwater monitoring event.
- June – July 2000: Located and mapped storm sewer system piping.
- July 2000 – February 2001: Removed sediment from storm sewer system piping.
- July 17, 2000: Report entitled "Annual Groundwater Quality Assessment Report" submitted to TCEQ.
- July 27, 2000: Quarterly Progress Report No. 1 submitted to TCEQ.
- October 12, 2000: TCEQ letter to Encycle regarding Quarterly Progress Report No. 1.
- October 12, 2000: Quarterly Progress Report No. 2 submitted to TCEQ.
- October 23, 2000: TCEQ letter to Encycle approving the July 2000 Annual Groundwater Quality Assessment Report.
- December 11, 2000: Groundwater monitoring event.

- January 2, 2001: TCEQ letter to Encycle regarding Quarterly Progress Report No. 2.
- January 17, 2001: Quarterly Progress Report No. 3 submitted to TCEQ.
- April 3, 2001: TCEQ letter to Encycle regarding Quarterly Progress Report No. 3.
- April 17, 2001: Quarterly Progress Report No. 4 submitted to TCEQ.
- June – July 2001: Repaired storm sewer system piping.
- June 14, 2001: Groundwater monitoring event.
- July 3, 2001: TCEQ letter to Encycle regarding Quarterly Progress Report No. 4.
- July 19, 2001: Quarterly Progress Report No. 5 submitted to TCEQ.
- August 2001: Completed decontamination of storm sewer system. Collected verification rinse water sample.
- August 23, 2001: Report entitled "Annual Groundwater Quality Assessment Report" submitted to TCEQ.
- September 2001: Collected samples to characterize wastes (sediments) above the West Lagoon HDPE liner.
- October 15, 2001: TCEQ letter to Encycle regarding Quarterly Progress Report No. 5.
- October 30, 2001: Quarterly Progress Report No. 6 submitted to TCEQ.
- November 2001: Collected samples to characterize wastes (sediments) above the East Lagoon clay bottom. Collected soil samples from East Lagoon to characterize clay bottom and subsurface soils.
- November 2, 2001: Encycle letter to TCEQ requesting a one-year postponement of the remaining Lagoon Closure activities.
- December 12, 2001: Groundwater monitoring event.
- January 22, 2002: TCEQ letter to Encycle regarding Quarterly Progress Report No. 6.
- January 30, 2002: Quarterly Progress Report No. 7 submitted to TCEQ.
- March 1, 2002: TCEQ letter approving the Encycle November 2, 2001 request for a one-year extension to the original Lagoon Closure Plan schedule.
- April 18, 2002: Quarterly Progress Report No. 8 submitted to TCEQ.
- June 11, 2002: Groundwater monitoring event.

- July 26, 2002: Quarterly Progress Report No. 9 submitted to TCEQ.
- August 12, 2002: TCEQ letter to Encycle regarding Quarterly Progress Report Nos. 8 and 9.
- August 16, 2002: Report entitled "Annual Groundwater Quality Assessment Report" submitted to TCEQ.
- October 11, 2002: Quarterly Progress Report No. 10 submitted to TCEQ.
- December 3, 2002: Encycle letter to TCEQ requesting an additional one-year postponement of the remaining lagoon closure activities.
- December 5, 2002: Groundwater monitoring event.
- January 22, 2003: Quarterly Progress Report No. 11 submitted to TCEQ.
- January 23, 2003: TCEQ letter to Encycle regarding Encycle's December 3, 2002 lagoon closure schedule extension request.
- February 11, 2003: TCEQ letters to Encycle regarding August 16, 2002 Annual Groundwater Quality Assessment Report, and Quarterly Progress Report No. 11, respectively.
- February 26, 2003: Encycle letter to TCEQ regarding lagoon closure schedule extension request.
- March 19, 2003: TCEQ letter approving with modifications Encycle's proposed schedule to complete remaining Lagoon Closure Activities, with a Closure Certification Report to be submitted to the TCEQ by January 5, 2005.
- April 23, 2003: Quarterly Progress Report No. 12 submitted to TCEQ.
- June 5, 2003: Groundwater monitoring event.
- July 24, 2003: TCEQ letter to Encycle regarding Quarterly Progress Report No. 12.
- July 25, 2003: Quarterly Progress Report No. 13 submitted to TCEQ.
- August 25, 2003: Report entitled "Annual Groundwater Quality Assessment Report" submitted to TCEQ.
- October 21, 2003: TCEQ letter to Encycle regarding Quarterly Progress Report No. 13.
- October 24, 2003: Quarterly Progress Report No. 14 submitted to TCEQ.
- November 2003: Removed sediments above West Lagoon HDPE liner. Decontaminated and repaired HDPE liner and collected verification rinse water sample.

- November 20, 2003: TCEQ letter to Encycle regarding Quarterly Progress Report No. 14.
- November 25, 2003: TCEQ letter to Encycle regarding the August 25, 2003 Annual Groundwater Quality Assessment Report.
- December 5, 2003: Groundwater monitoring event.
- January 14, 2004: Quarterly Progress Report No. 15 submitted to TCEQ.
- March 2004: Removed (excavated) sediments and affected clay bottom soils of East Lagoon.
- April 2004: Backfilled excavated areas of East Lagoon clay bottom.
- April 5, 2004: TCEQ letter to Encycle regarding Quarterly Progress Report No. 15.
- April 26, 2004: Quarterly Progress Report No. 16 submitted to TCEQ.
- June 2004: Removed sediment from North and South Demin Tanks. Decontaminated North and South Demin Tanks and collected verification rinse water samples.
- June 22, 2004: Groundwater monitoring event.
- July – August 2004: Repaired East Lagoon concrete perimeter walls.
- July 22, 2004: Quarterly Progress Report No. 17 submitted to TCEQ.
- August 13, 2004: Stipulation and Order Modifying Consent Decree issued to Encycle and ASARCO, Inc., entered into the U.S. District Court for the Southern District of Texas.

4.0 Closure Activities

4.1 Storm Sewer System

4.1.1 Locating and Mapping of Storm Sewer System Piping

Closure activities for the storm sewer system were conducted as specified in the Closure Plan. Prior to removal of sediment and repair of the storm sewer system piping, the piping was mapped during June and July 2000 using a low-frequency radio transmitter operated by Source Point Solutions, Inc., Spring, Texas. The mapping was conducted by removing the storm drain metal grates, and placing the transmitter into the storm drains which provided direct access to the underground storm sewer system piping. The radio transmitter was then run into the piping, and the radio signal was

located at the surface using a radio signal receiver and marked with a paint marker. A video camera also was run into the piping at selected locations such as piping elbows and tees to assist in mapping of the piping. A map showing the location of the underground storm sewer piping was then prepared (see Figure 3).

4.1.2 Removal of Sediment from Storm Sewer System

Sediment (sand, silt, clay) was encountered in portions of the storm sewer piping during mapping activities. The sediment was removed between July 2000 and February 2001 using a hydrojet operated by Source Point Solutions, Inc. The hydrojet consisted of a spray nozzle attached to the end of a flexible, high-pressure hose. The hydrojet was operated at a pressure of approximately 1,200 pounds per square inch to remove the sediment from the piping. The sediment was pressure-washed from the piping into the storm drains where it was removed using a vacuum truck. The storm sewer system cleaning water was routed to the Encycle wastewater treatment system, and sediments (solids) were placed into the West Lagoon above the HDPE liner. Following completion of storm sewer system sediment removal activities, the sediment above the West Lagoon HDPE liner was removed during November 2003 and disposed of at the US Ecology Texas landfill in Robstown, Texas, as detailed below in Section 4.2.2.

4.1.3 Repair of Storm Sewer System Piping

During storm sewer piping mapping activities, several obstructions were encountered in the piping, and a video camera was utilized to view the obstructions. Most of the obstructions consisted of sediment that filled the piping, and the sediment was removed using a hydrojet. As detailed in Quarterly Progress Report No. 6 submitted to the TCEQ on October 30, 2001, five obstructions consisted of damaged storm sewer piping in the area of Storm Drains 38, 76, 78a, 102, and 219, respectively. The damaged storm sewer piping segments were repaired during June and July 2001, and a summary of repair activities is provided on Table 1.

As specified in Section 2.2.3 of the Closure Plan, the soils excavated during storm sewer piping repair activities were returned to the excavations. Prior to returning the soils to the excavations, samples of the excavated soils were collected for laboratory analyses of total metals and cyanide. As shown on Table 1, samples were collected from excavated soils near Storm Drains 38, 78a, 102, and 219. Analytical results for the excavated soils returned to the excavation are summarized on Table 2, and copies of the analytical laboratory reports are provided in Appendix A.

As shown on Table 2, the lead concentration in the soil sample collected from the Storm Drain 219 soil excavation (4,094 milligrams per kilogram (mg/kg)) exceeds the soil cleanup level for lead (1,600 mg/kg) proposed in the April 14, 2004 Baseline Risk Assessment (BLRA) and the August 27, 2004 BLRA Addendum. The Storm Drain 219 excavation area, located directly east of the West Cell House, was resurfaced with concrete. These lead-affected soils will be addressed as part of the Corrective Measures Study (CMS) to be prepared for the Encycle facility, pending TCEQ approval of the BLRA.

Following soil sample collection, the excavated soils were returned to the excavations, and the excavated areas were resurfaced. Several cubic yards of excess soils were obtained from the Storm Drain 78a and Storm Drain 102 excavations that were not returned to the excavations. Also, concrete that was removed to access the storm sewer piping was not returned to the excavations. The excess soils were placed in a layer of plastic (Visqueen) in a bermed area, and covered with plastic. The concrete was placed into steel roll-off boxes, and covered with tarps. Samples of the excess soils and concrete were collected on July 31, 2001 for waste evaluation purposes prior to disposal. The samples were analyzed for toxicity characterization leaching procedure (TCLP) metals, and copies of the analytical laboratory reports are provided in Appendix B. The analytical data showed the excess soils and concrete were not characteristically hazardous. The excess soils and concrete were disposed of at the US Ecology Texas landfill in Robstown, Texas, and copies of the manifests are provided in Appendix C.

4.1.4 Storm Sewer System Verification Rinseate Sampling

As specified in Section 2.2.4 of the Closure Plan, following sediment removal and repair of the storm sewer piping, a rinseate sample was collected from the concrete storm water sump, which is the outfall for the storm sewer piping. The rinseate sample was collected on August 3, 2001 during a rainfall event that exceeded 0.25 inches. The rinseate sample was collected by lowering a clean, bottom-fill, Teflon bailer to the mid-point of the water column in the sump, and pouring the water from the bailer into a 1-pint polyethylene bottle with nitric acid preservative. The bottle was securely capped, labeled, placed into a cooler with ice, and shipped with chain of custody documents to the analytical laboratory for analyses of total arsenic, barium, chromium, lead, mercury, selenium, and silver. A field blank also was prepared at the time of sample collection using distilled water. Also, a trip blank consisting of deionized water prepared by the analytical laboratory remained unopened in the sample cooler and accompanied the other sample containers throughout transport.

Storm sewer rinseate sample analytical results are summarized on Table 3, and a copy of the analytical laboratory report is provided in Appendix D. As shown on Table 3, metals concentrations in the rinseate sample were below target cleanup levels (decontamination rinseate standards) given in Table 3 of Exhibit 5 of the Consent Decree. Therefore, as specified in Section 2.2.4 of the Closure Plan, because decontamination rinseate standards were not exceeded, the storm sewer piping is considered decontaminated and free of hazardous wastes that resulted from historic releases.

4.2 West Lagoon

4.2.1 Characterization of Wastes above HDPE Liner

Closure activities for the West Lagoon were conducted as specified in the Closure Plan. Following cleaning and repair of the storm sewer system, one composite sample was collected for every 200 cubic yards of sediment present above the HDPE liner in the West Lagoon for waste characterization purposes. As detailed in Quarterly Progress Report No. 6 dated October 30, 2001, based on sediment thickness measurements taken from a boat on September 26, 2001, it was estimated that approximately 291 cubic yards of sediment were present above the HDPE liner. Therefore, two composite samples were collected (Sample IDs: West Lagoon Comp A and West Lagoon Comp B) on September 27, 2001. A duplicate sample (Sample ID: West Lagoon Comp B-DUP) and an equipment blank also were collected during sampling activities. The samples were composites, each consisting of four grab samples collected using a clean PVC core barrel sampler. The samples were placed into 16-ounce widemouth glass jars with Teflon-lined lids. The sample jars were securely capped, labeled, placed into a cooler with ice, and shipped with chain of custody documents to the analytical laboratory for analyses of total and TCLP metals, cyanide, ignitability, reactivity, and corrosivity. Analytical results are summarized on Tables 4 and 5, and copies of the analytical laboratory reports are presented in Appendix E.

4.2.2 Removal of Wastes above HPDE Liner

As detailed in Quarterly Progress Report No. 6 dated October 30, 2001, approximately 291 cubic yards of sediment were present above the West Lagoon HDPE liner (see Appendix F, photographs 1 and 2). Prior to sediment removal, the storm water above the sediment was pumped to the Encycle wastewater treatment system using the existing centrifugal stormwater pump at the southeast corner of the West Lagoon (Figure 2).

The sediment was removed from the West Lagoon by Eagle Construction & Environmental Services between November 3 and November 13, 2003 using vacuum trucks (Appendix F, photograph 3). The sediment was placed into steel roll-off boxes and steel vacuum boxes that were lined with filter cloth to drain the water from the sediment (Appendix F, photograph 4). The water was gravity-drained from the sediment into water-tight compartments located on the bottom of the roll-off and vacuum boxes. The water was then removed through valves at the bottom of the boxes, and routed to the Encycle wastewater treatment system. Following dewatering, the de-watered sediment was transported to the US Ecology Texas landfill located in Robstown, Texas. A total of approximately 192 cubic yards of sediment, following de-watering, was disposed of at the US Ecology Texas landfill, and copies of the manifests are provided in Appendix G.

4.2.3 HDPE Liner Decontamination and Verification Rinseate Sampling

Following sediment removal, the HDPE liner was decontaminated on November 13 and 14, 2003 using high-pressure potable water (Appendix F, photograph 5). Pressure washing continued until no visible signs of solids were present on the liner. Following pressure washing, a rinse water sample was collected from the liner on November 14, 2003. The rinse water sample was collected by pumping potable water into the topographically higher west end of the West Lagoon and collecting the rinse water sample at the topographically lower east end of the West Lagoon. The rinse water sample (Sample ID: West Lagoon Rinse) was placed into a 1 liter polyethylene bottle with nitric acid preservative. The sample container was securely capped, labeled, placed into a cooler with ice, and submitted with chain of custody documents to the analytical laboratory.

The rinse water sample was analyzed for total arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Rinse water sample analytical results are summarized on Table 6, and a copy of the analytical laboratory report is provided in Appendix H. As shown on Table 6, the metals concentrations in the rinse water sample were all below the decontamination standards specified in the approved Closure Plan.

4.2.4 HDPE Liner Repair and Soil Sample Collection Below Liner

Following sediment removal, the West Lagoon HDPE liner was visually examined on November 13, 2003 to identify any tears in the liner. Five tears were identified: three tears on the liner floor (Tear 1 through Tear 3) and two tears near the top of the liner (Tear 4 and Tear 5). HDPE liner tear locations are shown on Figure 4. The tears were all narrow (<1/2" wide) and ranged in length from 2 inches (Tear 2) to 2 feet (Tear 5).

Two of the tears in the HDPE liner (Tear 4 and Tear 5) were located at the top of the HDPE liner along the perimeter concrete dike, and concrete was present below the tears. The other three tears (Tear 1, Tear 2, Tear 3) were located on the floor of the West Lagoon, and clayey soils were present below those tears. As specified in Item No. 1 of the TCEQ March 30, 2000 letter, soil samples were collected below the tears. The soil samples were collected from the upper six inches of soil below the tears, and soil sample locations (Sample IDs: Tear 1, Tear 2, Tear 3) are shown on Figure 4. The soil samples were collected using a clean, stainless steel core barrel sampler and placed into 16-ounce widemouth glass jars with Teflon-lined lids. The sample jars were securely capped, labeled, placed into a cooler with ice, and shipped with chain of custody documents to the analytical laboratory for analyses of total metals and cyanide. Soil sample analytical results are summarized on Table 7, and copies of the analytical laboratory reports are provided in Appendix I.

As shown on Table 7, the concentrations of several metals in the soil samples collected below the HDPE liner tears exceeded background concentrations. The concentrations of cadmium and lead in several of the soil samples exceeded the TCEQ Risk Reduction Standard No. 2 (RRS2) adjusted groundwater protection standard for soil-to-groundwater leaching (Adjusted GWP-Ind). None of the constituent concentrations in soil exceeded the TCEQ RRS2 soil/air and ingestion standard for industrial use (SAI-Ind). Also, none of the constituent concentrations in soil below the HPDE liner tears exceed the Risk Reduction Standard No. 3 (RRS3) soil cleanup levels proposed in the April 14, 2004 BLRA and the August 27, 2004 BLRA Addendum.

Following soil sample collection, all of the tears in the HDPE liner were repaired on November 25, 2003 by In-Line Plastics, Houston, Texas. The tears were sealed using a heat-welding gun, and a 60-milliliter (ml) HDPE patch was then placed above each sealed tear and heat-welded to the existing HDPE liner (Appendix F, photographs 6 and 7).

4.3 East Lagoon

4.3.1 Characterization of Wastes above Clay Bottom

Closure activities for the East Lagoon were conducted as specified in the Closure Plan. Characterization of the wastes (sediments) above the East Lagoon clay bottom was conducted during November 2001. As specified in Section 2.4.1 of the Closure Plan, the characterization was conducted by first determining the volume of sediment above the East Lagoon clay bottom, then collecting one composite sample for every 200 cubic yards of sediment present. As shown on Table 8, approximately 229 cubic yards of sediment were present in the East Lagoon above the clay bottom. Therefore, two

composite samples (Sample IDs: East Lagoon Comp A and East Lagoon Comp B) were collected from the East Lagoon sediments on November 5, 2001. A duplicate sample (Sample ID: East Lagoon Comp B-DUP) and an equipment blank also were collected during sampling activities. The samples were composites, each consisting of four grab samples collected using a clean stainless steel trowel. The samples were placed into 8-ounce widemouth glass jars with Teflon-lined lids. The sample jars were securely capped, labeled, placed into a cooler with ice, and shipped with chain of custody documents to the analytical laboratory for analyses of total and TCLP metals, cyanide, ignitability, reactivity, and corrosivity. Analytical results are summarized on Tables 9 and 10, and copies of the analytical laboratory reports are presented in Appendix J.

4.3.2 Characterization of Releases to Clay Bottom and Subsurface Soils

Characterization of potential releases to the East Lagoon clay bottom and subsurface soils was conducted during November 2001. As specified in Section 2.4.2 of the Closure Plan, soil samples were collected from eight soil borings (Elag-1 through Elag-8) advanced through the floor of the East Lagoon. The eight soil borings were advanced at the locations specified in the approved Closure Plan. Soil boring locations are shown on Figure 5, and soil boring logs are presented in Appendix K.

The soil borings were advanced using a clean stainless-steel hand auger, and soil samples were collected at the following depth intervals: 0 to 0.5 feet; 0.5 to 2 feet; 2 to 2.5 feet; an unsaturated sample every 3 feet until the saturated zone is encountered; and the top of the saturated zone. In addition to the depth intervals listed above that were specified in the Closure Plan, soil samples also were collected at depths of 1 to 1.5 feet and 1.5 to 2 feet to obtain additional soil quality data. The soil samples were placed into 16-ounce widemouth glass jars with Teflon-lined lids. The sample jars were securely capped, labeled, placed into a cooler with ice, and shipped with chain of custody documents to the analytical laboratory.

Initially, as specified in Section 2.4.2 of the Closure Plan, the 0 to 0.5 foot soil sample from each soil boring was analyzed for total and TCLP metals and total cyanide. The soil sample total metals and total cyanide analytical results were then compared to corresponding 0 to 0.5 foot interval background concentrations, which were previously approved by the TCEQ as shown in Appendix L. Following receipt of the total metals and cyanide analytical data from the 0 to 0.5 foot depth samples, soil samples from the 0.5 to 2 feet interval were analyzed only for the constituents that exceeded background levels in the corresponding 0 to 0.5 foot depth samples. This analytical testing procedure was continued with successively deeper soil samples until background

concentrations for all constituents were attained, or until all soil samples from that boring were analyzed.

As detailed in Section 2.4.5.1 of the approved Closure Plan, the analytical data obtained during sampling of the East Lagoon clay bottom and subsurface soils was compared to the target levels for each constituent. The soil target levels are (1) TCEQ Risk Reduction Standard 2 (RRS2) levels; and (2) Alternate LDR Treatment Standards for Contaminated Soil (40 CFR, Part 268.49(c)(1)(C)), which are based on Universal Treatment Standards for Non-wastewater (40 CFR, Part 268.48). Soils which met target levels were not considered listed wastes and were not excavated. Soil target levels were provided in Table 1 of the approved Closure Plan (a copy of this table is provided in Appendix M).

4.3.2.1 Total Metals Analytical Results

Soil sample analytical results for total metals and cyanide are summarized on Table 11, and copies of the analytical laboratory reports are provided in Appendix N. As shown on Table 11, total antimony, cadmium, chromium, and lead concentrations in the 0 to 0.5 foot soil sample from soil boring Elag-1 exceed the RRS2 target levels given in Table 1 of the approved Closure Plan. Total cadmium and lead concentrations in the 0 to 0.5 foot soil sample from soil boring Elag-5 also exceed the RRS2 target levels given in Table 1 of the approved Closure Plan.

4.3.2.2 SPLP Metals Analytical Results

Following receipt of the total metals analytical results, several soil samples were selected for synthetic precipitation leaching procedure (SPLP) metals analysis. SPLP analytical results are summarized on Table 11, and copies of the analytical laboratory reports are provided in Appendix N. As shown on Table 11, the SPLP metal concentrations were below the TCEQ RRS2 adjusted groundwater Medium-Specific Concentrations (MSCs). Therefore, because the SPLP concentrations did not exceed the adjusted groundwater MSCs, those soils did not exceed the RRS2 adjusted GWP-Ind target levels given in Table 1 of the approved Closure Plan (as per 30 TAC Chapter 335.559(g)(2)(B)).

4.3.2.3 TCLP Metals Analytical Results

As specified in the approved Closure Plan, soil samples from East Lagoon clay bottom and subsurface soils also were analyzed using the toxicity characteristic leaching procedure (TCLP). TCLP analytical results are summarized on Table 12. As shown on Table 12, TCLP cadmium, lead, and zinc concentrations in the 0 to 0.5 foot soil samples from soil borings Elag-1 and Elag-5 exceeded the target levels given in Table

1 of the approved Closure Plan. Therefore, the 0.5 to 2 foot soil samples from those borings also were analyzed for TCLP cadmium, lead, and zinc. TCLP concentrations decreased with depth. The TCLP concentrations in the 0.5 to 2 foot soil samples were below target levels except for the TCLP cadmium and zinc concentrations in the soil sample from soil boring Elag-1. Therefore, the 2 to 2.5 foot soil sample from soil boring Elag-1 was analyzed for TCLP cadmium and zinc, and the target concentrations were not exceeded. Also, the 1 to 1.5 foot and 1.5 to 2 foot soil samples from soil boring Elag-1 were analyzed for TCLP cadmium and zinc. The TCLP cadmium concentration in the 1 to 1.5 foot soil sample from soil boring Elag-1 exceeded the target concentration, and the 1.5 to 2 foot sample did not exceed the target concentration. TCLP zinc concentrations in the 1 to 1.5 foot and 1.5 to 2 foot soil samples from soil boring Elag-1 did not exceed the target concentration.

The extent and depth of soils in the East Lagoon that exceed target concentrations are shown on Figure 5. As detailed below in Section 4.3.4, the soils in the East Lagoon clay bottom that exceeded target levels were excavated and disposed of offsite at an authorized Class I hazardous waste disposal facility.

4.3.3 Removal of Wastes above Clay Bottom

As detailed in Quarterly Progress Report No. 16 submitted to the TCEQ on April 26, 2004, prior to removal of the sediment above the clay bottom, the storm water was removed from the East Lagoon during March 2004. The storm water was initially discharged through permitted Outfall 002 at the east end of the East Lagoon (TPDES Permit No. 00315). During stormwater discharge activities through Outfall 002, water samples were collected daily for visual assessment and metals analyses as specified in a February 6, 2004 letter from the TCEQ. Constituent concentrations in the water samples were consistently below the Outfall 002 discharge permit limits. After the water depth in the East Lagoon declined to approximately 12 inches, the remaining water was pumped to the Encycle wastewater treatment system.

Prior to excavation of the sediment from the East Lagoon, a composite sample was collected from the cattails that were present in portions of the East Lagoon (see Appendix F, photograph 8). The composite cattail sample was analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals. As shown in Appendix O, TCLP metals concentrations in the cattail sample were all below laboratory detection limits except for a trace of zinc (0.175 milligrams per liter). Following discussions with the TCEQ, it was determined that the cattails would be disposed of along with the sediment and affected soils at an authorized Class I hazardous waste disposal facility. Therefore, the cattails (approximately 122 cubic yards) were cut, placed into steel roll-

off boxes, and disposed of at the US Ecology Texas landfill in Robstown, Texas. Manifests for the cattails are provided in Appendix P.

Following removal of the cattails, the sediment (predominantly loose sand and silt) above the East Lagoon clay bottom was excavated between March 24 and March 30, 2004 by Entact Environmental Services using long-reach trackhoes with flat-bottom buckets (see Appendix F, photograph 9). As detailed in Quarterly Progress Report No. 7 submitted to the TCEQ on January 30, 2002, approximately 229 cubic yards of sediment was present above the East Lagoon clay bottom, and the sediment thickness ranged from approximately ½-inch to 1 inch. As shown on Figure 6, the sediment was excavated from all eight sections (Sections 1 through 8) of the East Lagoon. The sediment was placed into steel roll-off boxes, and disposed of at the US Ecology Texas landfill in Robstown, Texas. Manifests for the sediments are provided in Appendix Q.

4.3.4 Removal of Affected Clay Bottom Soils exceeding Target Levels

4.3.4.1 General

As detailed in Quarterly Progress Report No. 8 submitted to the TCEQ on April 18, 2002, the concentrations of one or more metals in the upper 18 inches of the clay bottom in Section 1 of the East Lagoon and the upper six inches of the clay bottom in Section 5 of the East Lagoon exceeded the target levels specified in the approved Closure Plan. Therefore, the clay bottom in Section 1 was excavated to a minimum depth of 18 inches, and the clay bottom in Section 5 was excavated to a minimum depth of 6 inches. The clay bottom was excavated between March 23 and March 30, 2004 by Entact Environmental Services using long-reach trackhoes with flat-bottom buckets (see Appendix F, photograph 10).

The excavated clay bottom soils (approximately 1,014 cubic yards) were placed into steel roll-off boxes, and disposed of at the US Ecology Texas landfill in Robstown, Texas. Manifests for the affected clay bottom soils are provided in Appendix Q.

In summary, approximately 122 cubic yard of cattails, 229 cubic yards of sediment, and 1,014 cubic yards of clay bottom soils were excavated from the East Lagoon during March 2004 and disposed of at the US Ecology Texas landfill in Robstown, Texas.

4.3.4.2 Pre-Excavation and Post-Excavation Survey

Prior to East Lagoon sediment and soil excavation, the elevation of the top of sediment in the East Lagoon was surveyed by a registered public surveyor on March 24, 2004. The top of sediment elevation was surveyed in the center of each section (Sections 1

through 8). Following completion of sediment and soil excavation activities, the final excavation depths in the center of each section were re-surveyed by a registered public surveyor on March 30, 2004. Pre-excavation and post-excavation survey data are provided in Appendix R. The elevation differences between the pre-excavation and post-excavation surveys are summarized on Figure 6. As shown on Figure 6, the survey data confirms that the sediments in Sections 1 through 8, and the affected clay bottom in Sections 1 and 5 that exceeded the target levels were excavated.

4.3.5 Backfilling of Affected Clay Bottom Excavations

Following excavation of the affected clay bottom and the post-excavation survey, Sections 1 and 5 of the East Lagoon were backfilled between March 31 and April 2, 2004 (see Appendix F, photographs 11, 12 and 13). The excavations were backfilled using clean clayey soil obtained from LoGo Materials at 2574 County Road 28 in Nueces County, Texas. Geotechnical data for the backfill materials is provided in Appendix S. As shown in Appendix S, the backfill materials consisted of clayey materials (percent passing No. 200 sieve = 73.1%) that were low in permeability (1.4 x 10^{-8} cm/sec).

4.3.6 Inspection and Repair of Concrete Perimeter Walls

The inner, top, and outer walls of the East Lagoon consist of reinforced concrete approximately 6 to 8 inches in thickness that extends approximately nine feet above the floor of the East Lagoon. The concrete perimeter walls were inspected by a registered professional engineer (Kennth Brandner of ARCADIS) during July 2004, and cracks in the concrete were identified and marked. The concrete perimeter walls were then repaired by Southwest Contractors, Inc. during July and August 2004. Prior to repair activities, the storm water in the East Lagoon was discharged through permitted Outfall 002 in accordance with TPDES Permit No. 00315, and water samples were collected daily for visual assessment and metals analyses as specified in a February 6, 2004 letter from the TCEQ. Following storm water removal, the interior concrete walls were repaired first (prior to stormwater entry into the East Lagoon), and the top and outer concrete walls were repaired last.

The cracks in the concrete were repaired by first removing vegetation and debris from the cracks using manual scraping tools and a pressure washer. The concrete surfaces were then roughened as needed using a chipping hammer to insure a good bond between the concrete and sealant. Also, several large cracks (> approx. 1 inch width) along the south inner wall of the East Lagoon had cavities (open spaces) below the cracks, and these cavities were filled using Portland Type I cement slurry. The cracks were then sealed using the flexible joint compound (Henry Elastomulsion

Waterproofing 787). While the joint compound was tacky, a second coating of flexible joint compound was added. After the second coating had dried, the coating was inspected and a third coating was added as needed to seal the cracks to existing grade (see Appendix F, photographs 14 and 15).

4.4 North and South Demin Tanks

4.4.1 Sediment Removal, Dewatering, and Disposal

Closure activities for the North and South Demin Tanks were conducted as specified in the Closure Plan. The North and South Demin Tanks are constructed of steel, and each has a maximum capacity of 259,000 gallons (Appendix F, photograph 16). Prior to decontamination of the Demin Tanks, the storm water in the Demin Tanks was pumped to the Encycle wastewater treatment system. After removing the storm water from the tanks, the bottom of each tank contained approximately 3 feet of sediment consisting of sand, silt, clay, and water (Appendix F, photograph 17). The sediment was removed from each tank during June 2004 by Entact Environmental Services using vacuum trucks (Appendix F, photograph 18). The sediment was placed into steel roll-off boxes that were lined with filter cloth to drain the water from the sediment (Appendix F, photograph 19). The water gravity-drained from the sediment into water-tight compartments located on the bottom of each roll-off box. The water was then removed through valves at the bottom of the boxes, and routed to the Encycle wastewater treatment system. Following dewatering, the sediment was transported to the U.S. Ecology Texas landfill located in Robstown, Texas.

A total of approximately 272 cubic yards of de-watered sediments from the Demin Tanks were disposed of at the U.S. Ecology landfill in Robstown, Texas, during June 2004. Copies of the manifests are provided in Appendix T. All of the sediment from the Demin Tanks was disposed of the the U.S. Ecology Landfill during June 2004 except for three roll-off boxes (approximately 40 cubic yards) that were stored at the Encycle facility and covered with tarps. The dewatered sediment in these three roll-off boxes was transferred into a rail car at the Encycle facility during September 2004, and disposed of at the US Ecology Idaho, Inc. facility in Grand View, Idaho. A copy of the manifest is provided in Appendix T.

4.4.2 Tank Decontamination and Verification Rinseate Sampling

Following sediment removal, the North and South Demin Tanks were thoroughly cleaned by scrubbing and water washing, followed by triple rinsing (Appendix F, photograph 20). As specified in the Closure Plan, following cleaning of the Demin Tanks, a rinse water sample was collected from each tank for analyses of total arsenic,

barium, cadmium, chromium, lead, mercury, selenium, and silver. The rinse water samples were collected using disposable polyethylene bailers and transferred into 1 pint polyethylene bottles with nitric acid preservative. The sample containers were securely capped, labeled, placed into a cooler with ice, and submitted with chain of custody documents to the analytical laboratory. Rinse water sample analytical results are summarized on Table 13, are copies of the analytical laboratory reports are provided in Appendix U. As shown on Table 13, the metals concentrations in the rinse water samples were all below the decontamination standards specified in the Closure Plan.

5.0 Groundwater Monitoring Program

5.1 General

As specified in Section 5 of the Closure Plan, the groundwater monitoring system for the East and West Lagoons was installed in April 1999, and groundwater monitoring activities began at that time. The groundwater monitoring system for the lagoons includes two hydraulically upgradient monitor wells (MW-3, MW-10) and three hydraulically downgradient monitor wells (MW-6, MW-8, MW-9) completed in the uppermost water bearing unit (Fill/Alluvium). Monitor well locations are shown on Figure 7. As approved in an October 23, 2000 TCEQ letter, groundwater in the Fill/Alluvium at the site is naturally saline with an average background total dissolved solids (TDS) concentration above 10,000 milligrams per liter (mg/L).

Fluid level measurements and groundwater samples were collected from the monitor wells quarterly during the first year of groundwater monitoring, and semiannually thereafter. The results of the groundwater monitoring events were provided to the TCEQ in Annual Groundwater Quality Assessment Reports. The most recent Annual Groundwater Quality Assessment Report was submitted to the TCEQ on August 25, 2003. The most recent semiannual groundwater monitoring events were conducted on December 5, 2003 and June 22, 2004. The results of the two most recent groundwater monitoring events are discussed in more detail below.

5.2 Groundwater Monitoring Program Methodology

The December 5, 2003 and June 22, 2004 groundwater samples were collected using the procedures specified in the report entitled "Closure Plan – East and West Lagoons" that was approved by the TCEQ. Prior to groundwater sample collection, depth to water and total depth of each monitor well were measured using an electronic water level measuring probe. Prior to each use, the probe was cleaned using a non-phosphate detergent wash, water rinse, and distilled water final rinse. Depth to water, total depth

measurements, and static water level elevations for each monitor well are summarized on Table 14. Figure 7 is the most recent water table map showing water level elevations in the uppermost water-bearing unit on June 22, 2004. Based on water level data, shallow groundwater flow direction is northerly toward the Corpus Christi Ship Channel at an average hydraulic gradient of approximately 0.012 foot per foot.

Each monitor well is equipped with a well-dedicated PVC bailer, and each well was developed prior to groundwater sample collection using the well-dedicated bailer. A minimum of three well bore volumes of water was removed from each well, and well development continued until the pH, temperature, and conductivity of the produced water stabilized. Monitor well development water was placed into 55-gallon drums and routed to the Encycle wastewater treatment system.

Groundwater samples were collected from each well within 24 hours following well development. The samples were poured directly from the well-dedicated bailer into laboratory-provided sample bottles. In accordance with 30 TAC Chapter 335.117 and 40 CFR Chapter 265.92(d), after the first year of groundwater monitoring (which has been completed), samples to establish groundwater quality (chloride, iron, manganese, phenols, sodium, and sulfate) and samples for replicate analysis of pH, conductivity, total organic carbon (TOC), and total organic halogen (TOH) have been collected semiannually. Also, groundwater samples have been collected semiannually for analyses of the constituents listed in 40 CFR Part 265.92(b)(1) that were managed at the site (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).

Samples for total metals analyses were placed into 1pint polyethylene bottles with nitric acid preservative. Samples for TDS, chloride, and sulfate analyses were placed into 1-pint polyethylene bottles with no preservatives. Samples for TOC, TOH, and phenols analyses were placed into 500-milliliter amber glass bottles with sulfuric acid preservative. The sample bottles were labeled, placed into a cooler with ice, and submitted with chain-of-custody documents to the analytical laboratory. Samples for pH and specific conductance analysis were placed into wide mouth glass jars and analyzed in the field immediately upon collection using calibrated field instruments. PH and specific conductance were measured using a Hanna Instruments Model HI 991301 pH/Conductivity meter.

5.3 Groundwater Monitoring Program Results

5.3.1 General

The groundwater samples were analyzed using U.S. Environmental Protection Agency (EPA) approved test methods as specified in the Quality Assurance Plan (QAP) section

of the December 22, 1999 Closure Plan for the East and West Lagoons. Groundwater analytical results are summarized on Table 15, and copies of the analytical laboratory reports for the December 5, 2003 and June 22, 2004 sampling events are provided in Appendix V. Laboratory reports for previous groundwater monitoring events were provided to the TCEQ in Annual Groundwater Quality Assessment Reports.

5.3.2 Metals

As shown on Table 15, total metals concentrations in the groundwater samples have been low to nondetectable since the groundwater monitoring program for the lagoons was initiated in 1999. Metals concentrations in some of the groundwater samples have slightly exceeded background concentrations, but have consistently been below the TRRP Tier 1 PCLs (30 TAC Chapter 350) and the RRS2 groundwater protection standards (30 TAC Chapter 335, Subchapter S) adjusted for saline groundwater.

The arsenic concentration in the June 22, 2004 groundwater sample from hydraulically upgradient monitor well MW-10 (0.05 mg/L), and the cadmium concentration in the June 22, 2004 groundwater sample from hydraulically downgradient monitor well MW-8 (0.06 mg/L) exceed background concentrations, but are significantly below the TRRP Tier 1 PCLs and the RRS2 groundwater protection standards adjusted for saline groundwater. Metal concentrations in the December 5, 2003 and June 22, 2004 groundwater samples from hydraulically upgradient monitor well MW-3 and hydraulically downgradient monitor wells MW-6 and MW-9 did not exceed background levels.

5.3.3 Groundwater Quality Parameters

The groundwater quality parameters chloride, iron, manganese, phenols, sodium, and sulfate were analyzed semiannually. As shown on Table 15, phenols were not detected in any of the groundwater samples. The concentrations of iron, manganese, and sulfate in groundwater samples collected during the two most recent sampling events from the hydraulically downgradient monitor wells did not exceed the background upper tolerance intervals.

The concentrations of sodium and chloride in the December 5, 2003 groundwater sample from hydraulically downgradient monitor well MW-8 exceeded the background upper tolerance intervals. Sodium and chloride are primary components of seawater, and the salinity of the shallow groundwater naturally increases in very close proximity to the Corpus Christi Ship Channel, which contains seawater. The hydraulically downgradient monitor wells are located within 50 feet of the Corpus Christi Ship

Channel. As discussed in the previously submitted Annual Groundwater Quality Assessment Reports, water levels in monitor wells located in close proximity to the Corpus Christi Ship Channel fluctuate in direct response to the changing tides, indicating the fill/alluvium is in direct hydraulic connection with the Corpus Christi Ship Channel. Therefore, the concentrations of sodium and chloride detected in groundwater near the Corpus Christi Ship Channel likely originate from ion exchange with the Corpus Christi Ship Channel seawater, and are not the result of a release of sodium and chloride from the lagoons.

5.3.4 Groundwater Indicator Parameters

The groundwater samples were analyzed in replicate semiannually for the groundwater quality indicator parameters pH, specific conductance, TOC, and TOH. As shown on Table 15, the pH of the groundwater samples collected during the two most recent sampling events did not exceed the background levels. The TOC and TOH concentrations in several, but not all, of the groundwater samples collected during the two most recent sampling events slightly exceeded background concentrations.

Specific conductance in groundwater samples collected during the two most recent sampling events from hydraulically upgradient monitor well MW-3 and hydraulically downgradient monitor wells MW-6 and MW-8 exceed background concentrations. The groundwater samples also contain elevated concentrations of sodium and chloride, which are the primary cation and anion, respectively, in seawater. Therefore, the higher specific conductance in groundwater at monitor wells MW-3, MW-6, and MW-8 is primarily due to the higher sodium and chloride concentrations in the groundwater.

6.0 Conclusions and Recommendations

Closure of the East and West Lagoons, storm sewer system, and the North and South Demin Tanks has been completed in accordance with the approved Closure Plan, and in accordance with the Closure Plan schedule modified by TCEQ letters dated March 1, 2002 and March 19, 2003, and the August 13, 2004 Stipulation and Order Modifying Consent Decree. All wastes, waste residues, contaminated liner material, and contaminated soil were removed from the storm sewer system, East and West Lagoons, and North and South Demin Tanks in accordance with the Closure Plan.

Rinsate samples collected following decontamination of the storm sewer system, West Lagoon HDPE liner, and North and South Demin tanks showed that target cleanup levels specified in the Closure Plan were achieved. Wastes above the East Lagoon clay bottom (approximately 122 cubic yard of cattails and 229 cubic yards of sediment) and affected clay bottom soils that exceeded RRS2 cleanup standards and Alternate

LDR Treatment Standards for Contaminated Soil (approximately 1,014 cubic yards) were excavated and disposed of at an authorized Class I hazardous waste landfill. Therefore, no post closure care associated with the East and West Lagoons is recommended other than deed recordation pursuant to 30 Texas Administrative Code (TAC) Chapter 335, Subchapter S.

Several constituents in soil samples collected directly below the West Lagoon HDPE liner, and in the excavated soils returned to the excavation following storm sewer piping repair activities near Storm Drains 38, 78a, 102, and 219 exceed background concentrations and RRS2 cleanup standards. Therefore, these soils will be addressed as part of the CMS to be prepared for the Encycle facility, pending TCEQ approval of the April 14, 2004 BLRA and the August 27, 2004 BLRA Addendum. As part of the CMS, Encycle intends to deed record the property (including the East and West Lagoons) for commercial/industrial land use, and prohibit the future installation of any water wells at the property, eliminating the groundwater ingestion exposure pathway.

Groundwater monitoring activities associated with the East and West Lagoons shows that constituent concentrations in groundwater have consistently been below the TRRP Tier 1 PCLs and RRS2 groundwater protection standards adjusted for saline groundwater. Therefore, discontinuation of groundwater monitoring activities associated with the East and West Lagoons is recommended. However, the monitor wells will continue to be utilized as part of the RCRA Corrective Action Program for the facility. Future groundwater monitoring activities at the site will be provided in detail in the CMS.

7.0 Certification of Closure

CLOSURE CERTIFICATION
EAST AND WEST LAGOONS
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS

Professional Engineer's Certification

I, Kenneth J. Brandner, do hereby certify that the closure of the East and West Lagoons, storm sewer system, and North and South Demin Tanks at the Encycle/Texas, Inc. facility has been completed as specified in the December 22, 1999 report entitled "Closure Plan – East and West Lagoons" as approved in the TCEQ letter dated March 30, 2000; and in accordance with the Closure Plan schedule modified by TCEQ letters dated March 1, 2002 and March 19, 2003, and the August 13, 2004 Stipulation and Order Modifying Consent Decree. I have personally examined East and West Lagoon, storm sewer system, and North and South Demin Tank closure activities and am familiar with the information submitted in this document and all attachments, which has been prepared in compliance with good engineering practices. The information provided in this document is true, accurate, and complete to the best of my knowledge.

(Seal)

Signature: Kenneth J Brandner
Kenneth J. Brandner, P.E.

Registration No.: 69586

Date: 10/14/04

CLOSURE CERTIFICATION
EAST AND WEST LAGOONS
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS

Owner's Certification

I, RICHARD MARCUS, PLANT MANAGER
(Name) (Title)

Certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of civil penalty and criminal fine.

Signature: Richard Marcus Date: 10/13/04

TABLES

Table 1. Storm Sewer System Repair Activities, Encycle/Texas, Inc.

Date	Location	Description of Repair Activity	Remarks
June 2001	Storm Drain 38	Damaged piping (12" concrete) from Storm Drain 38 extending west approximately 80 feet to tee at main storm drain line was cut and capped. Storm Drain 38 was plugged with concrete. Storm water in the area of plugged Storm Drain 38 now drains to other nearby storm drains (i.e., Storm Drains 39, 59, and 64).	Collected composite soil sample (Sample ID: Storm Drain 38a) on June 20, 2001 prior to backfilling of excavation.
June 2001	Storm Drain 78a	Damaged piping (10" concrete) from Storm Drain 78a extending southeast approximately 35 feet to tee at main storm drain line replaced with a new PVC line. Storm Drain 78a also was replaced with a new storm drain.	Collected composite soil sample (Sample ID: Storm Drain 78a) on July 2, 2001 prior to backfilling of excavation.
June 2001	Storm Drain 219	Damaged piping (8" concrete) from Storm Drain 219 extending south approximately 15 feet to 90 degree ell replaced with new PVC line. Storm Drains 218 and 219 replaced with new concrete storm drains.	Collected composite soil sample (Sample ID: Storm Drain 219) on July 6, 2001 prior to backfilling of excavation.
July 2001	Storm Drain 76	Obstruction in piping (15" concrete) approximately 15 feet west of Storm Drain 76. Storm Drain 76 was plugged with concrete. Storm water in the area of plugged Storm Drain 76 now drains to other nearby storm drains (i.e., Storm Drains 86 and 89).	No soils excavated during plugging of Storm Drain 76.
July 2001	Storm Drain 102	Collapsed piping (8" concrete) approximately 3 feet south and approximately 6 feet north of Storm Drain 102 replaced with new PVC lines.	Collected composite soil sample (Sample ID: Storm Drain 102) on July 31, 2001 prior to to backfilling of excavation. Also collected composite sample of concrete excavated during storm drain repair activities (Sampe ID: Concrete Composite), and excess soils excavated during storm drain repair activities (Sample IDs: Storm Drain 78a Soil and Storm Drain 102 Soil).

Table 2. Soil Analytical Data (mg/kg), Soils Excavated during Storm Sewer Repair Activities, Encycle/Texas, Inc.

SAMPLE ID	Date Sampled	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Sb	Se	Sn	Tl	V	Zn	CN
Storm Drain 38a	6/20/01	6.2	50	336	7.4	55	14	35	360	6.1	930	19	1,263	21	16	129	<1	32	13,330	1.0
Storm Drain 78a	7/2/01	<0.5	6	265	<4	4.5	6.7	15	75	<0.05	467	13	65	<0.8	<0.8	<5	<1	25	800	0.11
Storm Drain 219	7/6/01	28	20	440	<4	33	18	35	350	0.14	8,108	27	**4,094**	3.1	1.3	14	1.1	25	15,930	<0.04
Storm Drain 102	7/31/01	1.1	15	196	<4	21	7.9	15	89	0.15	471	16	105	<0.8	<0.8	<5	<1	18	1,166	<0.04

mg/kg Milligrams per kilogram
CN Cyanide
Note: Concentration boxed in **bold** exceeds the soil cleanup level for lead (1,600 mg/kg) proposed in the April 14, 2004 Baseline Risk Assessment (BLRA) and the August 27, 2004 BLRA Addendum.

Table 3. Storm Sewer Rinseate Sample Analytical Data (mg/L), Encycle/Texas, Inc.

SAMPLE ID	Date Sampled	Arsenic	Barium	Chromium	Lead	Mercury	Selenium	Silver
Storm Water Sump[a]	8/3/01	0.015	0.14	0.016	0.36	0.0013	<0.01	<0.005
Field Blank	8/3/01	<0.005	<0.05	<0.01	<0.02	<0.0005	<0.01	<0.005
Trip Blank	8/3/01	<0.005	<0.05	<0.01	<0.02	<0.0005	<0.01	<0.005
Decontamination rinseate standards:[b]		5.00	100	5.00	1.50	0.20	1.00	2.00

mg/L Milligrams per liter
a Rinseate sample collected from the storm water sump, which is the outfall for the storm sewer piping.
b Decontamination rinseate standards given in Table 3 of Exhibit 5 of the Consent Decree.

Table 4. Analytical Results Summary - West Lagoon Sediments above HDPE Liner - Total Metals (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Sb	Se	Sn	Tl	V	Zn	CN	Flash Point	Reactivity (cyanide)	Reactivity (sulfide)
West Lagoon Comp A	9/27/01	91	639	1945	69	1980	1705	698	12130	7.8	3360	3289	17750	106	40	636	13	114	43720	0.72	>200	<0.1	<1.5
West Lagoon Comp B	9/27/01	54	395	1369	35	1337	1067	570	7386	4.8	2697	2402	11670	60	33	319	5.7	73	39380	0.8	>200	<0.1	<1.5
West Lagoon Comp B (duplicate)	9/27/01	62	450	1534	41	1498	1186	602	8796	4.6	3032	2670	12860	59	38	375	6.5	77	43160	0.91	>200	<0.1	<1.5
Equipment Blank	9/27/01	<0.005	<0.005	<0.05	<0.05	<0.01	<0.05	<0.01	<0.05	<0.0005	<0.015	<0.05	<0.02	<0.05	<0.01	<0.05	<0.002	<0.05	<0.05	---	---	---	---

mg/kg Milligrams per kilogram
--- Not analyzed
CN Cyanide
Notes: (1) Flashpoint reported in degrees F.
(2) Equipment blank results reported in milligrams per liter.

Table 5. Analytical Results Summary - West Lagoon Sediments above HDPE Liner - TCLP Metals (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Ag	As	Ba	Cd	Cr	Hg	Ni	Pb	Sb	Se	Tl	V	Zn	pH
West Lagoon Comp A	9/27/01	<0.05	<0.1	0.64	2.7	<0.1	<0.0005	3.1	0.16	<0.1	<0.1	0.1	<0.1	33.0	8.0
West Lagoon Comp B	9/27/01	<0.05	<0.1	0.95	12	<0.1	<0.0005	4.1	7.8	<0.1	<0.1	<0.1	<0.1	189	7.6
West Lagoon Comp B (duplicate)	9/27/01	<0.05	<0.1	0.99	13	<0.1	0.0006	4.1	12	<0.1	<0.1	<0.1	<0.1	187	7.1

TCLP Toxicity Characteristic Leaching Procedure
mg/L Milligrams per liter

Table 6. West Lagoon HDPE Liner Rinse Water Sample Results (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
West Lagoon Rinse	11/14/03	0.017	0.14	0.06	0.023	0.41	0.0018	<0.005	<0.005
Field Blank	11/14/03	<0.005	<0.01	<0.005	<0.01	<0.003	<0.0005	<0.005	<0.005
Decontamination Rinsate Standards[a]		5	100	0.5	5	1.5	0.2	1	2

a Decontamination rinsate standards taken from Appendix D of the approved Closure Plan for the East and West Lagoons dated December 22, 1999.
mg/L Milligrams per liter

Table 7. Analytical Results Summary - Soil Samples Below Tears in West Lagoon HDPE Liner (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
W Lagoon Tear 1 (0-0.5')	11/13/03	<5	14	**896**	<6	**66**	**17**	**27**	**205**	0.1	**211**	**351**	**2.5**	20	<5	<2	<5	**8**	27	2,890
W Lagoon Tear 2 (0-0.5')	11/13/03	<5	**20**	208	<6	**70**	**18**	8	**104**	<0.1	**182**	**541**	<0.5	12	<5	<2	<5	**13**	32	8,030
W Lagoon Tear 3 (0-0.5')	11/14/03	<5	10	156	<6	**36**	**18**	**27**	**78**	<0.1	**192**	276	**0.9**	21	<5	<2	<5	**9**	22	2,450
Soil Background Concentrations																				
0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.8	0.89			7.65		(a)
2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			9.8			3.64			18.26		30.92	686.68		25.86						
clay/silt strata:		0.77		720			14.9									0.54	1.02		35.6	
clean sand strata (SP/SW):		0.80		202			35.9									0.50	1.0		15.7	
TNRCC RRS2 MSCs[b]																				
SAI-Ind (mg/kg):		490	200	58000	680000	1500	350000	1E+05	74000	37000	1000	110000	9.6	12000	9200	2800	150	6E+05	2900	410000
Adjusted GWP-Ind (mg/kg):		60	100	20000	510000	50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	6E+05	7200	310000
Adjusted GW (mg/L):		0.6	1	200	1,800	0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg	Milligrams per kilogram
MSCs	Medium specific concentrations
SAI-Ind	Soil/Air and Ingestion Standard for Industrial Use (Applies to upper 2 feet of soil at commercial/industrial sites - 30 TAC Chapter 335.559(g))
Adjusted GWP-Ind	Adjusted Soil-to-Groundwater Protection Standard for Industrial Use (adjusted for saline groundwater - 30 TAC Chapter 335.559(d)(3))
Adjusted GW	Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater)
a	April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at the site. Therefore, zinc background level not given.
b	30 TAC Chapter 335, Subchapter S.

Notes: 1) Numbers in **bold** exceed TNRCC-approved background concentrations established for the site.
2) Numbers **boxed** exceed both background and the RRS2 adjusted GWP-Ind. The RRS2 SAI-Ind was not exceeded in any soil sample.

Table 8. Sediment Thickness Measurements (feet) - November 2001, East Lagoon, Encycle/Texas, Inc.

Measurement Location (relative to East Lagoon southwest corner)	Sediment Thickness (inches)[a]	Sediment Thickness (feet)
50' east, 50' north	1.0	0.08
50' east, 100' north	1.0	0.08
100' east, 50' north	1.0	0.08
100' east, 100' north	3/4	0.06
150' east, 50' north	3/4	0.06
150' east, 100' north	1.0	0.08
200' east, 50' north	1.0	0.08
200' east, 100' north	3/4	0.06
200' east, 150' north	0.5	0.04
250' east, 50' north	0.5	0.04
250' east, 100' north	0.5	0.04
250' east, 150' north	3/4	0.06
300' east, 50' north	3/4	0.06
300' east, 100' north	3/4	0.06
300' east, 150' north	3/4	0.06
350' east, 50' north	3/4	0.06
350' east, 100' north	0.5	0.04
350' east, 150' north	0.5	0.04
400' east, 50' north	0.5	0.04
400' east, 100' north	3/4	0.06
400' east, 150' north	3/4	0.06
450' east, 50' north	0.5	0.04
450' east, 100' north	0.5	0.04
450' east, 150' north	3/4	0.06
500' east, 50' north	3/4	0.06
500' east, 100' north	0.5	0.04
500' east, 150' north	0.5	0.04
550' east, 50' north	0.5	0.04
550' east, 100' north	3/4	0.06
550' east, 150' north	0.5	0.04
600' east, 50' north	0.5	0.04
600' east, 100' north	0.5	0.04
600' east, 150' north	3/4	0.06
600' east, 200' north	0.5	0.04
650' east, 50' north	0.5	0.04
650' east, 100' north	0.5	0.04
650' east, 150' north	0.5	0.04
650' east, 200' north	3/4	0.06
700' east, 50' north	0.5	0.04
700' east, 100' north	3/4	0.06
700' east, 150' north	3/4	0.06
700' east, 200' north	0.5	0.04
730' east, 50' north[b]	0.5	0.04
730' east, 100' north	3/4	0.06
730' east, 150' north	3/4	0.06
730' east, 200' north	0.5	0.04

Ave. Thickness = 0.054 feet

Table 8. Sediment Thickness Measurements (feet) - November 2001, East Lagoon, Encycle/Texas, Inc.

a Sediment thickness above East Lagoon clay bottom.
b The bottom of the East Lagoon inside the perimeter concrete wall is 730 feet long (measured east-west).

Sediment Volume Calculation - East Lagoon

East Lagoon surface area = 730' x ((114' + 200')/2) = 114,610 ft^2
Sediment volume = East Lagoon surface area x ave. sediment thickness
= 114,610 ft^2 x 0.054 ft = 6,189 ft^3 = 229 cubic yards

Note: West side of East Lagoon is 114' long and east side of East Lagoon is 200' long (measured north-south from inside base of concrete dike).

Table 9. Analytical Results Summary - East Lagoon Sediments above Clay Bottom - Total Metals (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Sb	Se	Sn	Tl	V	Zn	CN	Flash Point	Reactivity (cyanide)	Reactivity (sulfide)
East Lagoon Comp A	11/5/01	21	140	1,590	25	571	509	257	2,389	3.4	1,647	460	3,137	20	14	144	20	52	22,900	0.26	>200	<0.1	<1.5
East Lagoon Comp B	11/5/01	5.1	29	654	9.8	209	100	53	435	0.8	489	95	743	<5	<5	50	13	33	6,264	0.12	>200	<0.1	<1.5
East Lagoon Comp B (duplicate)	11/5/01	4.3	22	690	6.5	206	92	46	539	0.74	479	87	680	<5	<5	36	10	32	5,300	0.15	>200	<0.1	<1.5
Equipment Blank	11/5/01	<0.005	<0.005	<0.05	<0.05	<0.01	<0.05	<0.01	<0.05	<0.0005	<0.015	<0.05	<0.05	<0.05	<0.01	<0.05	<0.002	<0.05	<0.05	<0.004	---	---	---

mg/kg Milligrams per kilogram
--- Not analyzed
CN Cyanide
Notes: (1) Flashpoint reported in degrees F.
(2) Equipment blank results reported in milligrams per liter.

Table 10. Analytical Results Summary - East Lagoon Sediments above Clay Bottom - TCLP Metals (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Ag	As	Ba	Cd	Cr	Hg	Ni	Pb	Sb	Se	Tl	V	Zn	pH
East Lagoon Comp A	11/5/01	<0.05	<0.1	0.83	6.3	<0.1	<0.0005	0.8	2.9	<0.1	<0.1	<0.1	<0.1	73	7.6
East Lagoon Comp B	11/5/01	<0.05	<0.1	1.4	5.3	<0.1	<0.0005	1.0	2.9	<0.1	<0.1	0.1	<0.1	74	8.5
East Lagoon Comp B (duplicate)	11/5/01	<0.05	<0.1	1.3	5.3	<0.1	<0.0005	1.0	3.0	<0.1	<0.1	<0.1	<0.1	75	8.3

TCLP Toxicity Characteristic Leaching Procedure
mg/L Milligrams per liter

Table 11. Analytical Results Summary - East Lagoon Clay Bottom and Subsurface Soils - Total Metals (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Sample Depth (ft)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Sb	Se	Sn	Tl	V	Zn	CN
Elag-1	11/02/01	0-0.5	35	152	729	19	***1,319***	1,179	***1,943***	6,774	2.2	2,838	1,608	***4,728***	***66***	21	375	19	39	38,050	3.5
		0.5-2	3.8	18	360	<5	74	33	48	287	1.2	419	42	412	<5	<5	20	7.9	23	4,094	0.13
		0.5-2 (SPLP)	—	—	—	—	<0.5	—	—	—	—	—	—	<0.1	—	—	—	—	—	—	—
		1-1.5	—	—	—	—	66	—	—	—	—	—	—	280	—	—	—	—	—	—	—
		1.5-2	—	—	—	—	24	—	—	—	—	—	—	125	—	—	—	—	—	—	—
		2-2.5	<2	12	—	—	53	35	60	279	0.13	321	54	271	<5	<5	15	8.7	—	2,716	0.05
Elag-2	11/02/01	0-0.5	<2	5.5	235	<5	15	12	18	35	<0.05	274	14	34	<5	<5	6	6	22	331	<0.05
		0.5-2	4.6	—	—	—	130	5.5	17	—	—	—	—	—	6	<5	—	6.5	—	7,204	—
		0.5-2 (SPLP)	—	—	—	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		2-2.5	<2	—	—	—	4.1	—	16	—	—	—	—	—	<5	<5	—	10	—	473	—
		3-3.5	—	—	—	—	—	—	14	—	—	—	—	—	—	—	—	1.0	—	—	—
Elag-3	11/02/01	0-0.5	<2	7.9	810	<5	17	10	10	40	0.60	450	11	45	<5	<5	<5	8.7	23	605	<0.05
		0.5-2	<2	—	294	—	23	8.2	—	—	0.15	476	—	—	<5	<5	—	12	—	2,497	—
		1-1.5	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		1.5-2	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		2-2.5	<2	—	—	—	1.3	—	—	—	<0.05	275	—	—	<5	<5	—	9.7	—	348	—
		2.5-3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<1.0	—	—	—
Elag-4	11/02/01	0-0.5	<2	7.7	419	<5	11	6.2	18	45	0.26	220	15	62	<5	<5	7.7	5.6	25	679	<0.05
		0-0.5 (dup)	<2	7.2	710	<5	9.4	6.0	13	30	0.15	214	9.9	41	<5	<5	6.6	5.8	23	538	<0.05
		0.5-2	3.2	—	—	—	50	—	16	179	0.96	—	—	—	<5	<5	19	7.8	—	3,700	—
		1-1.5	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		1.5-2	—	—	—	—	—	—	—	—	0.085	—	—	—	—	—	—	—	—	—	—
		2-2.5	<2	—	—	—	2.1	—	15	20	<0.05	—	—	—	<5	<5	5.5	11	—	306	—
		2.5-3	—	—	—	—	—	—	14	6.9	—	—	—	—	—	—	—	<1.0	—	—	—
Elag-5	11/02/01	0-0.5	7	52	312	7	***312***	9.5	29	327	1.4	525	14	***808***	9.1	<5	41	11	32	10,250	<0.05
		0.5-2	<2	7.2	—	<5	3.9	—	8.9	18	<0.05	215	—	32	<5	<5	5.4	5.4	—	490	—
		1-1.5	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		1.5-2	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		2-2.5	<2	—	—	—	—	—	—	13	<0.05	—	—	—	<5	<5	—	<5	—	330	—
Elag-6	11/02/01	0-0.5	<2	11	233	<5	25	6.3	16	58	0.26	299	10	132	<5	<5	13	5.0	22	1,224	<0.05
		0.5-2	<2	—	—	—	5.4	—	15	39	0.075	—	—	42	<5	<5	6.3	9.6	—	471	—
		1-1.5	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		1.5-2	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—
		2-2.5	<2	—	—	—	2.1	—	11	17	0.066	—	—	—	<5	<5	<5	7.2	—	315	—
		3-3.5	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	—	—	6.0	—	—	—
Elag-7	11/02/01	0-0.5	<2	11	4,824	7.2	36	9.2	17	43	0.19	581	11	158	<5	<5	6.8	11	30	1,682	<0.05
		0-0.5 (SPLP)	—	—	—	—	—	—	—	—	—	—	—	<0.1	—	—	—	—	—	—	—
		0.5-2	<2	—	152	<5	4.2	—	12	67	0.057	177	—	52	<5	<5	—	8	—	1,028	—
		2-2.5	<2	—	—	—	—	—	—	9.5	—	—	—	—	<5	<5	<5	<5	—	114	—
Elag-8	11/02/01	0-0.5	2.7	13	226	5.0	61	7.1	16	82	1.5	440	10	298	<5	<5	14	8.3	29	2,879	<0.05
		0-0.5 (SPLP)	—	—	—	—	<0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		0-0.5 (dup)	2.7	13	261	<5	53	8.8	26	91	1.0	334	14	307	<5	<5	18	7.3	28	2,668	<0.05
		0-0.5 (dup-SPLP)	—	—	—	—	—	—	—	—	—	—	—	<0.1	—	—	—	—	—	—	—
		0.5-2	<2	—	—	6.3	3.4	—	16	39	0.057	445	—	32	<5	<5	<5	11	—	858	—
		2-2.5	<2	—	—	<5	—	—	13	32	—	180	—	—	<5	<5	—	7.5	—	852	—
Equip Blank-1	11/02/01	—	<0.005	<0.005	<0.05	<0.05	<0.01	<0.05	<0.01	<0.05	<0.0005	<0.015	<0.05	<0.05	<0.05	<0.01	<0.05	<0.002	<0.05	<0.05	<0.004
Equip Blank-2	11/02/01	—	<0.005	<0.005	<0.05	<0.05	<0.01	<0.05	<0.01	<0.05	<0.0005	<0.015	<0.05	<0.05	<0.05	<0.01	<0.05	<0.002	<0.05	<0.05	<0.004

mg/kg Milligrams per kilogram
— Not analyzed
CN Cyanide
SPLP Synthetic precipitation leaching procedure
dup Duplicate
Pend Analytical results pending. Analysis in progress.

Notes:
(1) Flashpoint reported in degrees F.
(2) Equipment blank results reported in milligrams per liter.
(3) Numbers shown in ***bold italics*** represent concentrations exceeding target levels given on Table 1 of the approved Closure Plan dated December 1999. Note that metals with total concentrations above the RRS2 adjusted GWP-Ind that have SPLP metals concentrations below the RRS2 adjusted groundwater MSC do not exceed the RRS2 adjusted GWP-Ind target levels given in Table 1 of the approved Closure Plan (as per 30 TAC Chapter 335.559(g)(2)(B)) and therefore are not shown in bold italics on this table.

Table 12. Analytical Results Summary - East Lagoon Clay Bottom and Subsurface Soils - TCLP Metals (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Sample Depth (ft)	Ag	As	Ba	Cd	Cr	Hg	Ni	Pb	Sb	Se	Tl	V	Zn	pH
Elag-1	11/02/01	0-0.5	<0.05	<0.1	0.39	***21***	0.22	<0.0005	8.2	***17***	<0.1	<0.1	<0.1	<0.1	***462***	7.43
		0.5-2	---	---	---	***4.2***	---	---	---	4.4	---	---	---	---	***211***	8.5
		1-1.5	---	---	---	***2.2***	---	---	---	---	---	---	---	---	34	8.5
		1.5-2	---	---	---	0.63	---	---	---	---	---	---	---	---	11	9.3
		2-2.5	---	---	---	0.68	---	---	---	---	---	---	---	---	11	9.2
Elag-2	11/02/01	0-0.5	<0.05	<0.1	1.0	0.77	<0.1	<0.0005	0.12	0.25	<0.1	<0.1	<0.1	<0.1	11	5.1
Elag-3	11/02/01	0-0.5	<0.05	<0.1	0.98	0.24	<0.05	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	6.1	9.1
Elag-4	11/02/01	0-0.5	<0.05	<0.1	1.2	0.33	<0.1	<0.0005	<0.1	0.25	<0.1	<0.1	<0.1	<0.1	7.6	8.98
		0-0.5 (dup)	<0.05	<0.1	1.3	0.37	<0.1	<0.0005	0.14	0.26	<0.1	<0.1	<0.1	<0.1	8.4	9.02
Elag-5	11/02/01	0-0.5	<0.05	<0.1	0.65	***7.4***	<0.05	<0.0005	<0.1	***11***	<0.1	<0.1	<0.1	<0.1	***168***	8.94
		0.5-2	---	---	---	0.08	---	---	---	<0.1	---	---	---	---	4.1	9.2
Elag-6	11/02/01	0-0.5	<0.05	<0.1	1.3	1.0	<0.1	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	25	8.7
Elag-7	11/02/01	0-0.5	<0.05	<0.1	1.5	0.38	<0.1	<0.0005	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	9.7	8.84
Elag-8	11/02/01	0-0.5	<0.05	<0.1	1.4	1.1	<0.1	<0.0005	<0.1	1.3	<0.1	<0.1	<0.1	<0.1	25	8.9
		0-0.5 (dup)	<0.05	<0.1	1.3	0.92	<0.1	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20	9.11
		0.5-2	---	---	---	0.1	---	---	---	---	<0.1	---	---	---	4.6	9.8
Alternate LDR Treatment Standards:[a]			1.4	50	210	1.1	6	0.25	110	7.5	11.5	57	2	16	43	

TCLP Toxicity Characteristic Leaching Procedure
dup Duplicate
mg/L Milligrams per liter
a Alternate LDR Treatment Standards for Contaminated Soils (40 Code of Federal Regulations, Part 268.49(c)(1)C)).
Note: Numbers shown in ***bold italics*** represent concentrations exceeding target levels given on Table 1 of the approved Closure Plan dated December 1999.

Table 13. North and South Demin Tank Rinse Water Sample Results (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	DATE SAMPLED	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
S. Demin Tank	6/16/04	<0.01	0.09	0.01	<0.01	0.14	<0.002	<0.01	<0.005
N. Demin Tank	6/21/04	<0.01	0.11	0.01	<0.01	0.10	<0.002	<0.01	<0.005
Decontamination Rinsate Standards[a]		5	100	0.5	5	1.5	0.2	1	2

a Decontamination rinsate standards taken from Appendix D of the approved Closure Plan for the East and West Lagoons dated December 22, 1999.
mg/L Milligrams per liter

Table 14. Monitor Well Water Level Measurements, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Date Measured	Top-of-casing Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Measured Total Depth (ft)	Geologic Unit Monitored (zone of well completion)
MW-2	01/30/86	6.65	5.22	1.43	---	Fill/alluvium
	01/30/87		4.78	1.87	---	
	02/01/88		4.81	1.84	---	
	01/27/89		4.78	1.87	---	
	01/23/90		5.02	1.63	---	
	01/09/91		4.17	2.48	---	
	01/17/92		4.60	2.05	---	
	02/14/94	6.22[b]	4.55	1.67	---	
	01/30/95		4.63	1.59	---	
	05/20/99		3.58	2.64	---	
	06/29/00		3.95	2.27	23.4	
	07/27/00		4.00	2.22	23.3	
	08/17/00		4.31	1.91	23.0	
	12/10/01	5.55[c]	3.98	1.57	23.3	
	01/15/02		4.25	1.30	23.3	
	02/11/02		4.39	1.16	23.3	
MW-3	01/30/86	8.93	1.59	7.34	---	Fill/alluvium
	01/30/87		1.21	7.72	---	
	02/01/88		1.75	7.18	---	
	01/27/89		1.83	7.10	---	
	01/23/90		2.23	6.70	---	
	01/09/91		1.99	6.94	---	
	01/17/92		0.77	8.16	---	
	02/14/94		1.53	7.40	---	
	01/30/95		0.23	8.70	---	
	05/20/99		3.07	5.86	23.6	
	07/22/99		2.63	6.30	23.6	
	10/19/99		2.45	6.48	23.7	
	01/26/00		3.26	5.67	23.6	
	04/25/00		3.21	5.72	23.6	
	06/29/00		3.57	5.36	23.6	
	07/27/00		3.89	5.04	23.8	
	08/17/00		4.02	4.91	23.7	
	12/11/00		3.85	5.08	23.7	
	06/14/01		3.85	5.08	23.7	
	12/10/01	9.95[c]	2.78	7.17	23.6	
	01/15/02		3.09	6.86	23.6	
	02/11/02		3.25	6.70	23.6	
	06/10/02		4.07	5.88	23.7	
	12/05/02		1.89	8.06	23.9	
	06/05/03		3.30	6.65	23.7	
	12/04/03		2.77	7.18	23.7	
	06/21/04		2.65	7.30	23.8	
MW-4	01/30/86	7.08	6.04	1.04	---	Fill/alluvium
	01/30/87		5.62	1.46	---	
	02/01/88		5.50	1.58	---	
	01/27/89		5.42	1.66	---	

Table 14. Monitor Well Water Level Measurements, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Date Measured	Top-of-casing Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Measured Total Depth (ft)	Geologic Unit Monitored (zone of well completion)
MW-4	01/23/90		5.62	1.46	---	
(cont.)	01/09/91		5.05	2.03	---	
	01/17/92		5.25	1.83	---	
	02/14/94		5.46	1.62	---	
	01/30/95		5.58	1.50	---	
	05/20/99		4.46	2.62	---	
	06/29/00		4.91	2.17		
	07/27/00		4.95	2.13	26.6	
	08/17/00		5.23	1.85	26.5	
	12/10/01	6.28[c]	4.38	1.90	26.5	
	01/15/02		5.32	0.96	26.5	
	02/11/02		5.40	0.88	26.5	
MW-5	01/30/87	9.60	8.12	1.48	---	Fill/alluvium
	02/01/88		7.84	1.76	---	
	01/27/89		7.79	1.81	---	
	01/23/90		7.98	1.62	---	
	01/09/91		7.58	2.02	---	
	01/17/92		7.54	2.06	---	
	02/14/94		8.54	1.06	---	
	01/30/95		7.31	2.29	---	
	05/20/99		6.69	2.91	---	
	06/29/00		7.59	2.01	26.0	
	07/27/00		7.29	2.31	26.2	
	08/17/00		7.44	2.16	26.0	
	12/10/01	8.81[c]	7.07	1.74	26.0	
	01/15/02		7.56	1.25	26.0	
	02/11/02		7.64	1.17	26.0	
MW-6	05/20/99	9.48[a]	6.27	3.21	19.5	Fill/alluvium
	07/22/99		5.82	3.66	19.6	
	10/19/99		5.49	3.99	19.5	
	01/26/00		6.67	2.81	19.5	
	04/25/00		6.32	3.16	19.5	
	06/29/00		6.58	2.90	19.4	
	07/27/00		7.03	2.45	19.5	
	08/17/00		7.24	2.24	19.5	
	12/11/00		6.71	2.77	19.6	
	06/14/01		6.95	2.53	19.5	
	12/10/01	8.72[c]	5.76	2.96	19.5	
	01/15/02		6.21	2.51	19.5	
	02/11/02		6.56	2.16	19.5	
	06/10/02		6.33	2.39	19.6	
	12/05/02		6.03	2.69	19.5	
	06/05/03		5.71	3.01	19.6	
	12/04/03		5.45	3.27	19.7	
	06/21/04		5.53	3.19	19.6	

Table 14. Monitor Well Water Level Measurements, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Date Measured	Top-of-casing Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Measured Total Depth (ft)	Geologic Unit Monitored (zone of well completion)
MW-7	05/20/99	25.17	20.70	4.47	---	Beaumont Formation
	12/10/01	26.95[c]	20.94	6.01	30.0	
	01/15/02		21.06	5.89	30.0	
	02/11/02		21.05	5.90	30.0	
MW-8	05/20/99	8.12[a]	4.53	3.59	23.0	Fill/alluvium
	07/22/99		3.42	4.70	23.3	
	10/19/99		4.19	3.93	23.2	
	01/26/00		5.10	3.02	23.2	
	04/25/00		4.68	3.44	23.2	
	06/29/00		5.30	2.82	23.1	
	07/27/00		5.16	2.96	23.3	
	08/17/00		5.18	2.94	23.2	
	12/11/00		5.12	3.00	23.3	
	06/14/01		5.25	2.87	23.2	
	12/10/01	7.39[c]	4.50	2.89	23.4	
	01/15/02		5.22	2.17	23.3	
	02/11/02		5.18	2.21	23.3	
	06/10/02		4.53	2.86	23.2	
	12/05/02		4.61	2.78	23.2	
	06/05/03		5.36	2.03	23.2	
	12/04/03		4.78	2.61	23.2	
	06/21/04		4.23	3.16	23.2	
MW-9	05/20/99	5.13[a]	2.20	2.93	23.0	Fill/alluvium
	07/22/99		1.90	3.23	23.2	
	10/19/99		1.70	3.43	23.0	
	01/26/00		2.56	2.57	23.0	
	04/25/00		2.00	3.13	23.0	
	06/29/00		2.58	2.55	22.9	
	07/27/00		2.55	2.58	23.0	
	08/17/00		3.18	1.95	23.0	
	12/11/00		2.94	2.19	23.0	
	06/14/01		2.70	2.43	23.0	
	12/10/01	4.44[c]	2.82	1.62	22.9	
	01/15/02		2.54	1.90	22.9	
	02/11/02		2.53	1.91	22.9	
	06/10/02		2.24	2.20	23.1	
	12/05/02		2.23	2.21	23.0	
	06/05/03		2.23	2.21	23.0	
	12/04/03		1.58	2.86	23.0	
	06/21/04		1.61	2.83	22.8	
MW-10	05/20/99	8.18[a]	1.38	6.80	17.5	Fill/alluvium
	07/22/99		1.05	7.13	17.5	
	10/19/99		0.89	7.29	17.5	
	01/26/00		1.24	6.94	17.5	

Table 14. Monitor Well Water Level Measurements, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Date Measured	Top-of-casing Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Measured Total Depth (ft)	Geologic Unit Monitored (zone of well completion)
MW-10	04/25/00		1.41	6.77	17.5	
(cont.)	06/29/00		1.47	6.71	17.4	
	07/27/00		2.02	6.16	17.5	
	08/17/00		1.97	6.21	17.5	
	12/11/00		1.81	6.37	17.6	
	06/14/01		3.90	4.28	17.7	
	12/10/01	7.44[c]	0.93	6.51	17.5	
	01/15/02		1.39	6.05	17.5	
	02/11/02		1.36	6.08	17.5	
	06/10/02		2.15	5.29	17.6	
	12/05/02		0.45	6.99	17.6	
	06/05/03		0.56	6.88	17.6	
	12/04/03		0.85	6.59	17.5	
	06/21/04		0.64	6.80	17.6	
MW-11	12/10/01	25.98[c]	23.45	2.53	24.5	Beaumont Formation
	01/15/02		22.66	3.32	24.5	
	02/11/02		23.05	2.93	24.5	
MW-12	12/26/01	26.63[c]	23.18	3.45	30.0	Beaumont Formation
	01/15/02		23.39	3.24	30.0	
	02/11/02		23.40	3.23	30.0	
MW-13	12/10/01	27.47[c]	19.15	8.32	27.2	Beaumont Formation
	01/15/02		18.90	8.57	27.2	
	02/11/02		19.46	8.01	27.2	
MW-14	12/10/01	27.14[c]	20.07	7.07	24.0	Beaumont Formation
	01/15/02		19.88	7.26	24.0	
	02/11/02		20.05	7.09	24.0	
MW-15	12/10/01	22.71[c]	17.63	5.08	34.0	Beaumont Formation
	01/15/02		17.92	4.79	34.0	
	02/11/02		18.04	4.67	34.0	
MW-16	12/10/01	27.05[c]	20.31	6.74	24.4	Beaumont Formation
	01/15/02		19.97	7.08	24.4	
	02/11/02		20.31	6.74	24.4	
MW-17	12/10/01	26.87[c]	20.16	6.71	35.0	Beaumont Formation
	01/15/02		20.42	6.45	35.0	
	02/11/02		20.58	6.29	35.0	
MW-18	12/10/01	24.01[c]	17.13	6.88	27.8	Beaumont Formation
	01/15/02		17.36	6.65	27.8	
	02/11/02		17.57	6.44	27.8	

Table 14. Monitor Well Water Level Measurements, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Date Measured	Top-of-casing Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Measured Total Depth (ft)	Geologic Unit Monitored (zone of well completion)
MW-19	12/10/01	23.63[c]	16.44	7.19	27.8	Beaumont Formation
	01/15/02		16.79	6.84	27.8	
	02/11/02		16.95	6.68	27.8	
MW-20	12/10/01	23.82[c]	16.60	7.22	33.1	Beaumont Formation
	01/15/02		16.74	7.08	33.1	
	02/11/02		17.00	6.82	33.1	
MW-21	12/10/01	23.58[c]	16.33	7.25	27.0	Beaumont Formation
	01/15/02		16.58	7.00	27.0	
	02/11/02		16.79	6.79	27.0	

a Monitor well top-of-casing elevation surveyed by Registered Public Surveyor (Naismith Engineering) on May 20, 1999.

b Bent PVC casing was repaired and re-surveyed.

c Monitor well top-of-casing elevation surveyed (NGVD) by Registered Public Surveyor (Govind Engineers) during December 2001.

Note: Monitor well total depths measured relative to monitor well top of PVC casings.

Table 1b. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
Fill/Alluvium Upgradient Wells																							
MW-3	01/30/86	---	0.007	---	---	---	0.01	<0.001	---	---	---	---	0.06	---	---	---	---	---	---	6.87	**16,000**	---	---
	01/30/87	---	0.009	---	---	---	<0.01	<0.001	---	---	---	---	0.02	---	---	---	---	---	---	6.94	**20,900**	---	---
	02/01/88	---	0.014	---	---	---	<0.01	<0.001	---	---	---	---	0.01	---	---	---	---	---	---	7.11	**18,400**	---	---
	01/27/89	---	0.012	---	---	---	<0.01	0.003	---	---	---	---	0.06	---	---	---	---	---	---	7.04	**18,500**	---	---
	01/23/90	---	0.010	---	---	---	<0.01	0.001	---	---	---	---	0.03	---	---	---	---	---	---	7.00	**17,000**	---	---
	01/09/91	---	0.006	---	---	---	<0.01	<0.001	---	---	---	---	0.03	---	---	---	---	---	---	7.09	**15,700**	---	---
	01/17/92	---	0.015	---	---	---	0.03	<0.001	---	---	---	---	<0.01	---	---	---	---	---	---	6.92	**19,300**	---	---
	02/14/94	---	0.014	---	---	---	<0.01	0.001	---	---	---	---	0.01	---	---	---	---	---	---	6.87	**14,800**	---	---
	01/30/95	---	0.013	---	---	---	<0.01	0.001	---	---	---	---	0.03	---	---	---	---	---	---	7.06	13,900	---	---
	02/20/98	11,200*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	14,800**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/99	---	0.016	0.037	<0.01	<0.01	---	0.007	---	<0.0005	<0.005	0.007	---	2,240	0.77	1.8	<0.04	2,150	1,585	8.19	11,000	7.0	0.16
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.96	12,000	7.0	0.38
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.93	12,250	8.0	0.2
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.92	12,000	9.0	0.21
	10/20/99	---	0.016	0.037	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	4,992	0.65	2.5	<0.04	3,100	1,579	6.3	13,000	4.0	0.10
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.4	13,500	4.0	0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.4	13,500	4.0	0.26
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.4	13,500	3.0	0.27
	01/27/00	---	0.011	0.043	0.008	<0.01	---	<0.02	---	<0.0005	<0.005	0.012	---	2,564	1.5	1.3	<0.04	1,909	1,549	7.7	7,500	3.5	0.248
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.6	7,500	3.3	0.179
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.6	7,500	3.2	0.172
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.6	7,500	3.1	0.173
(dup-1)	01/27/00	---	0.008	0.051	0.005	<0.01	---	0.02	---	<0.0005	<0.005	<0.01	---	2,140	2.4	2.4	<0.04	2,475	1,529	---	---	3.4	0.175
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<3	0.186
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<3	0.167
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<3	0.140
	04/25/00	14,870	0.016	0.043	<0.005	<0.01	---	0.009	---	<0.0005	<0.005	<0.01	---	3,321	1.6	1.8	<0.04	2,790	1,857	7.0	7,500	2.3	0.21
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.0	9,500	3.5	0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.0	8,000	2.3	0.16
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.0	9,500	2.6	0.20
	12/11/00	---	0.016	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	<0.01	---	1,415	0.78	2.3	<0.04	1,693	1,284	7.6	11,100	6.4	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.7	11,300	6.4	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.6	11,400	6.4	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.6	11,300	6.4	<0.75
	06/14/01	---	0.016	<0.05	<0.01	0.028	---	<0.02	---	<0.0005	<0.005	0.012	---	3,045	0.93	1.4	<0.04	1,645	1,561	7.36	6,770	5.1	0.109
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.37	6,780	4.3	0.119
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	6,820	4.3	0.083
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.35	6,790	4.1	0.135

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-3	12/12/01	---	0.015	0.036	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	1,560	0.19	1.6	<0.02	1,720	1,177	7.56	4,390	6.1	0.102
(cont.)	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.56	4,390	5.9	0.144
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	4,390	6.0	0.118
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	4,390	5.9	0.350
	06/11/02	---	0.015	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	2,042	0.28	1.7	<0.04	1,887	1,190	7.59	11,290	5.4	0.077
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	10,730	5.1	0.087
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	11,090	5.2	0.083
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	11,120	6.2	<0.035
	12/05/02	---	0.010	0.022	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	1,580	0.088	0.17	<0.04	1,147	818	7.90	4,920	5.2	<0.2
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.78	4,890	5.7	0.140
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.76	4,850	5.8	0.150
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.76	4,860	5.4	0.087
	06/05/03	---	0.022	0.066	<0.005	<0.01	---	0.013	---	<0.0005	<0.005	<0.005	---	3,014	0.85	2.6	<0.04	2,508	1,288	7.16	**15,520**	6.4	0.120
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.18	**15,750**	6.7	0.120
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.18	**15,680**	6.5	0.120
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.16	**15,650**	6.3	0.120
	12/05/03	---	0.016	0.048	0.002	<0.02	---	<0.005	---	<0.0006	<0.005	<0.005	---	3,175	0.18	1.6	<0.04	2,347	1,552	7.22	10,000	**15**	0.085
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	10,000	**16**	0.069
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	10,000	5.9	0.028
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	10,000	6.0	<0.04
	06/22/04	---	0.01	0.03	<0.01	<0.01	---	<0.01	---	<0.002	<0.005	0.01	---	3,000	<0.25	1.55	<0.005	2,690	1,510	7.07	**14,770**	6.0	**0.980**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**14,400**	7.0	**1.100**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	**14,660**	5.0	**1.100**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	**14,500**	6.0	**1.100**
MW-10	04/29/99	9,238	0.026	0.55	0.018	0.08	---	0.11	---	0.00058	<0.005	0.25	---	2,224	61	1.9	<0.04	2,550	2,396	8.7	11,000	6.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.4	9,500	6.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.2	9,500	8.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.2	9,500	9.0	<1
	07/23/99	---	0.016	0.15	<0.01	0.028	---	0.03	---	<0.0005	<0.005	0.16	---	2,193	19	1.2	<0.04	2,200	2,850	8.37	10,000	**16.0**	0.09
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.02	10,500	5.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.24	10,500	5.0	0.06
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.25	10,500	4.0	0.08
	10/20/99	---	0.025	0.074	<0.01	<0.01	---	0.013	---	0.00057	<0.005	0.049	---	2,242	7.8	6.6	<0.04	1,900	2,629	7.3	8,000	2.0	0.21
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	8,500	2.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	8,750	2.0	0.06
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	8,750	3.0	<0.05

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-10	01/27/00	---	0.007	0.14	<0.01	0.021	---	0.032	---	<0.0005	<0.005	0.12	---	2,700	13	3.6	<0.04	2,248	2,749	8.1	9,000	<3	<0.12
(cont.)	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.0	9,000	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.0	9,000	<3	0.131
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.0	9,000	<3	0.12
	12/11/00	---	0.013	0.078	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	0.17	---	2,814	4.9	0.34	<0.04	2,882	2,937	6.9	9,600	3.0	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8	9,800	2.9	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.9	9,600	2.8	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8	9,600	2.8	<0.75
	06/14/01	---	0.03	0.054	0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.28	---	2,043	1.9	1.1	<0.04	1,581	3,095	7.45	7,330	1.8	0.143
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.08	7,360	2.9	0.106
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	7,360	3.6	0.175
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.05	7,350	3.1	0.185
	12/12/01	---	0.02	0.028	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.045	---	1,434	0.078	2.3	<0.02	1,818	2,400	7.55	9,260	5.9	0.0754
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.56	9,260	5.6	0.156
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	9,260	5.3	0.124
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	9,260	5.9	0.0935
	06/11/02	---	0.018	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.23	---	1,615	0.084	0.34	<0.04	1,873	2,596	7.08	8,890	3.6	0.048
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	8,880	3.7	0.037
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	8,940	4.1	0.067
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	8,930	3.9	0.044
	12/05/02	---	0.028	0.033	0.006	<0.01	---	<0.005	---	<0.0005	<0.008	0.16	---	1,530	0.74	3.7	<0.04	1,922	2,276	7.21	10,780	3.0	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.19	10,660	3.3	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.17	10,800	3.0	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.20	10,770	3.0	<0.1
	06/05/03	---	**0.044**	0.048	0.017	<0.01	---	0.032	---	<0.0005	**0.007**	0.032	---	1,668	1.8	**14**	<0.04	1,809	3,084	7.03	9,080	5.6	0.060
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.00	9,300	3.8	0.061
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.02	9,240	3.8	0.066
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	9,190	6.1	0.069
	12/05/03	---	**0.047**	0.043	0.009	<0.02	---	0.008	---	<0.0006	<0.005	0.007	---	749	0.67	**16**	<0.04	1,241	1,714	7.40	3,000	5.8	<0.04
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	3,000	4.3	<0.04
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.34	3,000	4.4	<0.04
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.34	3,000	4.6	<0.04
	06/22/04	---	**0.05**	0.03	<0.01	<0.01	---	0.01	---	<0.002	<0.005	0.04	---	500	0.88	<0.01	<0.005	967	2,760	7.07	6,750	4.0	0.200
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	6,510	4.0	0.180
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	6,480	4.0	0.200
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	6,480	4.0	0.180

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
Background Mean (x)[a]:			0.0157	0.125	0.0065	0.0177	---	0.0262	---	0.00032	0.0025	0.068	---	2,735	12	2.57	0.02	2,369	2,080	7.60	9,883	4.21	0.188
Background Standard Deviation (S):			0.0066	0.165	0.0045	0.0249	---	0.0329	---	0.00014	0	0.089	---	926	19.5	1.68	0	400	567	0.67	1,892	3.03	0.135
Background Upper Tolerance Interval (x + KS) [b]:			0.036	0.62	0.02	0.093	---	0.126	---	0.0007	0.0025	0.34	---	5,542	71	7.6	0.02	3,581	3,799	9.1/6.1	14,042	10.7	0.480
Fill/Alluvium Downgradient Wells																							
MW-6	06/07/93	32,954	<0.02	---	0.005	---	<0.008	<0.02	<0.02	---	---	---	0.064	**17,252**	---	0.48	---	**9,043**	2,614	7.5	**38,000**	---	---
	(dup)	---	<0.02	---	0.006	---	<0.008	<0.02	<0.02	---	---	---	0.075	---	---	0.45	---	---	---	7.4	**37,000**	---	---
	06/17/93	10,654	<0.02	---	**0.027**	---	0.035	0.028	<0.02	---	---	---	0.11	3,764	---	0.5	---	3,071	2,579	7.5	13,500	---	---
	06/24/93	9,717	<0.02	---	<0.008	---	<0.02	<0.02	<0.02	---	---	---	0.043	3,016	---	0.8	---	2,732	2,506	7.3	13,000	---	---
	02/20/98	22,000*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	32,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/99	---	<0.005	0.065	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	<0.01	---	**11,779**	4.5	0.52	<0.04	**10,000**	2,145	8	**26,500**	8.0	**1.52**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**30,000**	**12.0**	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**30,000**	8.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**30,000**	**11.0**	**1.27**
	07/23/99	---	<0.005	0.024	<0.01	<0.01	---	<0.005	---	<0.0005	<0.005	0.006	---	1,799	0.19	0.43	<0.04	1,650	2,265	8.72	**20,500**	6.0	0.06
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.6	**19,500**	6.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.54	**19,000**	**12.0**	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.56	**19,000**	9.0	0.07
	10/20/99	---	0.008	0.041	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	1,008	3.0	0.50	<0.04	1,000	1,495	7.2	6,750	3.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	12,500	4.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	13,000	7.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	13,000	3.0	<0.07
	01/27/00	---	<0.005	0.11	<0.01	<0.01	---	0.036	---	<0.0005	<0.005	<0.01	---	**9,894**	16	0.61	<0.04	**7,015**	2,581	7.6	**28,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**28,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**28,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**28,000**	<3	<0.12
	12/11/00	---	0.012	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	0.023	---	**8,224**	1.4	0.27	<0.04	**6,911**	2,291	7.4	**18,000**	2.7	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	**18,000**	2.8	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	**17,500**	2.8	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3	**18,000**	2.8	<0.75
	06/14/01	---	0.008	<0.05	<0.01	0.013	---	<0.02	---	<0.0005	<0.005	0.014	---	**11,316**	1.0	0.34	<0.04	**6,191**	3,031	7.36	**20,000**	2.6	**0.714**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	**20,000**	5.2	0.091
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	**20,000**	4.8	0.067
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.35	**20,000**	6.6	0.118

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-6	12/12/01	---	0.01	0.045	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	864	0.14	0.28	<0.02	1,253	3,089	7.55	4,540	5.0	0.154
(cont.)	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.65	4,540	<5	0.155
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.69	4,540	5.0	0.147
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.71	4,540	5.2	0.145
	06/11/02	---	<0.005	0.054	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.015	---	**10,266**	0.47	0.39	<0.04	**6,952**	2,586	7.59	**>20,000**	5.8	0.140
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	7.5	<0.035
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	5.3	<0.035
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	5.0	0.098
(dup)	06/11/02	---	0.009	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.032	---	**9,950**	0.35	0.39	<0.04	**6,700**	2,500	7.59	**>20,000**	6.8	0.110
	12/05/02	---	0.012	0.041	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	1,109	0.19	0.33	<0.04	1,032	1,237	7.81	11,390	3.7	0.020
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.80	11,420	3.6	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.81	11,310	3.9	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.79	11,290	3.9	<0.02
	06/05/03	---	0.012	0.038	<0.005	<0.01	---	<0.003	---	<0.0005	<0.005	<0.005	---	171	0.066	0.56	<0.04	304	789	7.01	10,320	2.5	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	10,470	2.3	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	10,500	2.4	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.06	10,520	2.5	<0.02
	12/05/03	---	0.015	0.055	<0.002	<0.02	---	<0.005	---	<0.0006	<0.005	0.005	---	161	0.31	0.57	<0.04	230	833	7.21	6,000	4.5	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	5,000	5.2	0.048
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	6,000	5.2	0.048
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	6,000	5.4	0.069
	06/22/04	---	0.01	0.04	<0.01	<0.01	---	<0.01	---	<0.002	<0.005	0.01	---	130	<0.25	0.43	<0.005	226	660	7.07	**18,750**	1	0.050
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**18,840**	1	0.048
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**18,480**	2	0.047
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**18,490**	2	0.054
(dup)	06/22/04	---	0.01	0.08	<0.01	<0.01	---	<0.01	---	<0.002	<0.005	<0.01	---	140	<0.25	0.42	<0.005	191	650	7.07	**18,480**	1	0.030
MW-8	04/29/99	---	0.006	0.16	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.011	---	**11,255**	2.3	0.45	<0.04	**9,000**	2,831	8.3	**28,000**	5.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**33,000**	6.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**36,000**	6.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.1	**32,500**	4.0	**1.49**
	07/23/99	---	0.012	0.12	<0.01	<0.01	---	0.006	---	**0.00082**	<0.005	0.17	---	4,932	2	0.27	<0.04	1,600	2,982	8.34	**15,500**	8.0	**0.97**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.00	**18,000**	9.0	0.16
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.01	**20,500**	10.0	0.20
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.00	**20,000**	**13.0**	0.26
	10/20/99	---	0.007	0.076	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.13	---	2,035	0.86	0.48	<0.04	1,200	1,668	7.6	12,500	7.0	0.13
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**14,500**	4.0	0.37
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**17,250**	4.0	0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	**17,500**	4.0	**0.78**

Table 1 Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-8	01/27/00	---	<0.005	0.049	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.02	---	5,204	0.70	0.62	<0.04	**4,924**	3,697	7.3	**18,500**	<3	0.338
(cont.)	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.2	**18,500**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.2	**18,500**	<3	0.373
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.2	**18,500**	<3	0.296
	12/11/00	---	<0.005	0.10	<0.01	<0.01	---	0.032	---	**0.00082**	<0.01	<0.01	---	3,906	6.8	0.61	<0.04	**4,547**	3,281	6.9	**24,000**	5.4	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.9	**24,000**	5.3	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8	**25,000**	5.5	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8	**25,000**	5.5	<0.75
	06/14/01	---	0.011	0.075	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.024	---	**8,181**	2.9	0.63	<0.04	**4,554**	**4,143**	7.27	**14,420**	7.0	0.072
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.35	**17,810**	6.4	0.105
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	**17,840**	5.9	0.253
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.33	**17,870**	6.6	0.094
(dup)	06/14/01	---	0.013	0.051	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.021	---	**9,289**	0.65	0.62	<0.04	**4,632**	**3,876**	7.33	**17,870**	5.3	0.097
	12/12/01	---	0.015	0.037	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.28	---	**5,572**	0.48	0.14	<0.02	**3,891**	3,437	7.55	**17,470**	8.8	0.0944
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.45	**17,470**	10	0.119
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.40	**17,470**	9.3	0.130
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.35	**17,470**	8.8	0.0855
	06/11/02	---	0.013	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.035	---	**6,254**	0.33	0.45	<0.04	**4,460**	3,641	7.59	**18,920**	8.9	0.096
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	8.4	0.177
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	8.1	0.192
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**>20,000**	8.7	0.059
	12/05/02	---	0.011	0.055	<0.005	<0.01	---	0.006	---	<0.0005	<0.008	0.12	---	3,733	0.70	0.31	<0.04	2,600	2,331	7.20	11,900	7.5	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	11,980	7.0	0.057
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.26	11,890	6.6	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.24	11,930	6.0	<0.05
	06/05/03	---	0.010	0.070	<0.005	<0.01	---	0.007	---	<0.0005	<0.005	0.041	---	**5,646**	0.99	0.44	<0.04	**4,585**	3,086	7.01	**>20,000**	8.5	0.089
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.02	**>20,000**	8.2	0.100
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.04	**>20,000**	8.0	0.088
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.04	**>20,000**	8.3	0.120
	12/05/03	---	0.023	0.063	<0.002	<0.02	---	<0.005	---	<0.0006	<0.005	0.16	---	**5,600**	0.6	0.22	<0.04	**4,550**	3,196	7.48	6,000	**14**	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.34	6,000	1.1	<0.01
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.38	6,000	**16**	0.06
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.40	6,000	**17**	0.085
(dup)	12/05/03	---	0.022	0.064	<0.002	<0.02	---	<0.005	---	<0.0006	<0.005	0.15	---	**5,631**	0.41	0.24	<0.04	**4,599**	3,208	7.40	6,000	6.2	<0.04
	06/22/04	---	<0.01	0.18	**0.06**	<0.01	---	0.03	---	<0.002	<0.005	0.06	---	2,900	0.44	0.17	<0.005	1,810	1,800	7.07	**>20,000**	6.0	**0.500**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**>20,000**	7.0	**0.600**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.08	**>20,000**	7.0	**0.510**
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.07	**>20,000**	6.0	0.470

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-9	04/29/99	---	0.02	0.5	<0.01	0.063	---	0.053	---	0.00044	<0.005	<0.01	---	**10,487**	67	1.8	<0.04	**8,500**	1,773	8.4	**29,500**	6.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.3	**28,500**	8.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.3	**28,500**	8.0	<1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.3	**28,500**	**12.0**	<1
	07/23/99	---	0.015	0.039	<0.01	<0.01	---	<0.005	---	<0.0005	<0.005	<0.005	---	1,501	1.5	0.62	<0.04	1,750	2,553	9.32	12,500	6.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.49	13,000	**14.0**	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.27	11,500	6.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.29	11,500	6.0	<0.05
	10/20/99	---	0.017	0.029	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	994	0.67	1.1	<0.04	800	1,694	7.5	5,000	4.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	5,250	2.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	6,000	9.0	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.5	6,000	3.0	<0.05
	01/27/00	---	<0.005	0.045	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	<0.01	---	**8,364**	0.73	0.56	<0.04	**5,409**	2,279	7.1	**20,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	**20,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	**20,000**	<3	<0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.1	**20,000**	<3	<0.12
	12/11/00	---	0.012	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	0.011	---	3,490	1.6	0.21	<0.04	3,094	2,386	6.9	**32,500**	3.9	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8	**32,300**	3.3	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.9	**32,300**	3.5	<0.75
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.9	**32,300**	3.2	<0.75
(dup)	12/11/00	---	0.014	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	0.011	---	3,076	2.3	0.2	<0.04	2,782	2,329	6.9	**32,500**	3.4	<0.75
	06/14/01	---	0.017	0.057	0.01	<0.01	---	<0.02	---	<0.0005	<0.005	0.016	---	**9,698**	0.65	0.43	<0.04	**4,910**	2,441	7.35	**18,630**	2.2	0.065
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	**18,480**	4.3	0.042
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.36	**18,460**	5.9	<0.01
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.35	**18,450**	3.8	0.052
	12/12/01	---	0.025	0.043	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	751	1.4	0.77	<0.02	1,031	2,133	7.56	6,140	<5	0.013
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	6,140	<5	<0.01
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.55	6,140	<5	<0.01
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.45	6,140	<5	0.016
(dup)	12/12/01	---	0.025	0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	770	1.9	0.81	<0.02	1,033	2,118	7.45	6,140	<5	0.026
	06/11/02	---	0.014	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	0.018	---	**6,480**	0.12	0.35	<0.04	**4,625**	2,507	7.59	**18,200**	7.0	<0.035
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**18,150**	7.3	0.206
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**18,180**	7.7	<0.035
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.59	**18,160**	7.1	<0.035
	12/05/02	---	0.017	0.041	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	337	2.0	2.0	<0.04	680	1,960	7.49	5,310	3.2	0.031
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.42	5,150	2.9	0.020
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.42	5,030	3.2	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.41	5,020	2.9	0.020
(dup)	12/05/02	---	0.023	0.036	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	332	2.0	1.7	<0.04	647	1,932	7.41	5,020	2.7	<0.02

Table 1.. Analytical Results Summary - Groundwater (mg/L), East and West ..goons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH
MW-9	06/05/03	---	0.012	0.044	<0.005	<0.01	---	<0.003	---	<0.0005	<0.005	<0.005	---	105	0.76	0.45	<0.04	195	432	7.02	3,320	2.4	<0.02
(cont.)	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.10	3,310	2.3	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.08	3,300	2.5	<0.02
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.08	3,320	2.4	0.028
(dup)	06/05/03	---	0.019	0.042	<0.005	<0.01	---	0.003	---	<0.0005	<0.005	<0.005	---	111	1.0	0.60	<0.04	241	534	7.06	3,330	2.0	<0.02
	12/05/03	---	0.009	0.075	<0.002	<0.02	---	<0.005	---	<0.0006	<0.005	<0.005	---	103	0.46	0.81	<0.04	194	541	7.22	3,000	**21**	<0.1
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	3,000	**22**	0.210
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	3,000	**23**	0.170
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.22	3,000	**23**	0.110
	06/22/04	---	0.01	0.04	<0.01	<0.01	---	<0.01	---	<0.002	<0.005	<0.01	---	180	0.37	1.02	<0.005	263	1,000	7.23	2,160	3.0	0.060
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.21	2,350	3.0	0.060
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.18	2,210	3.0	0.048
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.17	2,220	3.0	0.054
Field	04/29/99	---	<0.005	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	<0.01	---	2.6	<0.05	<0.015	<0.04	11	3.6	---	---	3.0	<1
Blank	12/11/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.04	---	---	---	---	<1	<0.75
	12/12/01	---	<0.005	<0.01	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	<0.02	<1	<1	---	---	<5	<0.01
	06/11/02	---	<0.005	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	<0.04	<4	<1	---	---	<2	<0.035
	12/05/02	---	<0.005	<0.01	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	<1	<0.05	<0.015	<0.04	<2	<2	---	---	<2	<0.01
	06/05/03	---	<0.005	<0.01	<0.005	<0.01	---	<0.003	---	<0.0005	<0.005	<0.005	---	<1	<0.05	<0.010	<0.04	<2	<2	---	---	<2	<0.02
	12/05/03	---	<0.005	<0.02	<0.002	<0.02	---	<0.005	---	<0.0006	<0.005	<0.005	---	<1	<0.03	<0.030	<0.04	<5	<2	---	---	4.8	<0.04
	06/22/04	---	<0.01	<0.01	<0.01	<0.01	---	<0.01	---	<0.002	<0.005	<0.01	---	<0.5	<0.25	<0.01	<0.005	<0.625	<1	---	---	<1	<0.01
Trip	07/23/99	---	<0.005	<0.01	<0.01	<0.01	---	<0.005	---	<0.0005	<0.005	<0.005	---	<1	<0.1	<0.015	<0.04	<2	3.6	---	---	<1.0	<0.05
Blank	10/20/99	---	<0.005	<0.01	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.01	<0.04	<2	2.1	---	---	---	---
	01/27/00	---	<0.005	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	<0.01	---	<1	<0.05	0.02	<0.04	<4	<2	---	---	---	---
	04/25/00	---	<0.005	<0.01	<0.005	<0.01	---	<0.005	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	<0.04	<4	<2	---	---	<1	0.12
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<0.05
	(rep)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<0.05
	12/11/00	---	<0.005	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.01	<0.01	---	<1	<0.05	<0.015	---	<2	<2	---	---	---	---
	06/14/01	---	<0.005	<0.05	<0.01	<0.01	---	<0.02	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	<0.04	<5	<1	---	---	<1	0.012
	12/12/01	---	<0.005	<0.01	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	<0.02	<1	<1	---	---	<5	<0.01
	06/11/02	---	<0.005	<0.05	<0.01	<0.01	---	<0.01	---	<0.0005	<0.005	<0.01	---	<1	<0.05	<0.015	---	<4	<1	---	---	---	---
	12/05/02	---	<0.005	<0.01	<0.005	<0.01	---	<0.005	---	<0.0005	<0.008	<0.005	---	<1	<0.05	<0.015	<0.04	<2	<2	---	---	<2	<0.02
	06/05/03	---	<0.005	<0.01	<0.005	<0.01	---	<0.003	---	<0.0005	<0.005	<0.005	---	<1	<0.05	<0.010	<0.04	<2	<2	---	---	<2	0.021
	06/22/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<0.01

Table 1. Analytical Results Summary - Groundwater (mg/L), East and West Lagoons, Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Selenium	Zinc	Chloride	Iron	Manganese	Phenols	Sodium	Sulfate	pH	Specific Conductance	TOC	TOH

* Sample collected with Teflon bailer from top of water column in well bore.

** Sample collected with bottom-filling Teflon bailer from base of well bore.

--- Not analyzed

dup Duplicate

rep Replicate (4 replicate measurements as specified in 40 CFR Part 265.92(b)(3))

TDS Total dissolved solids

TOC Total organic carbon

TOH Total organic halogen

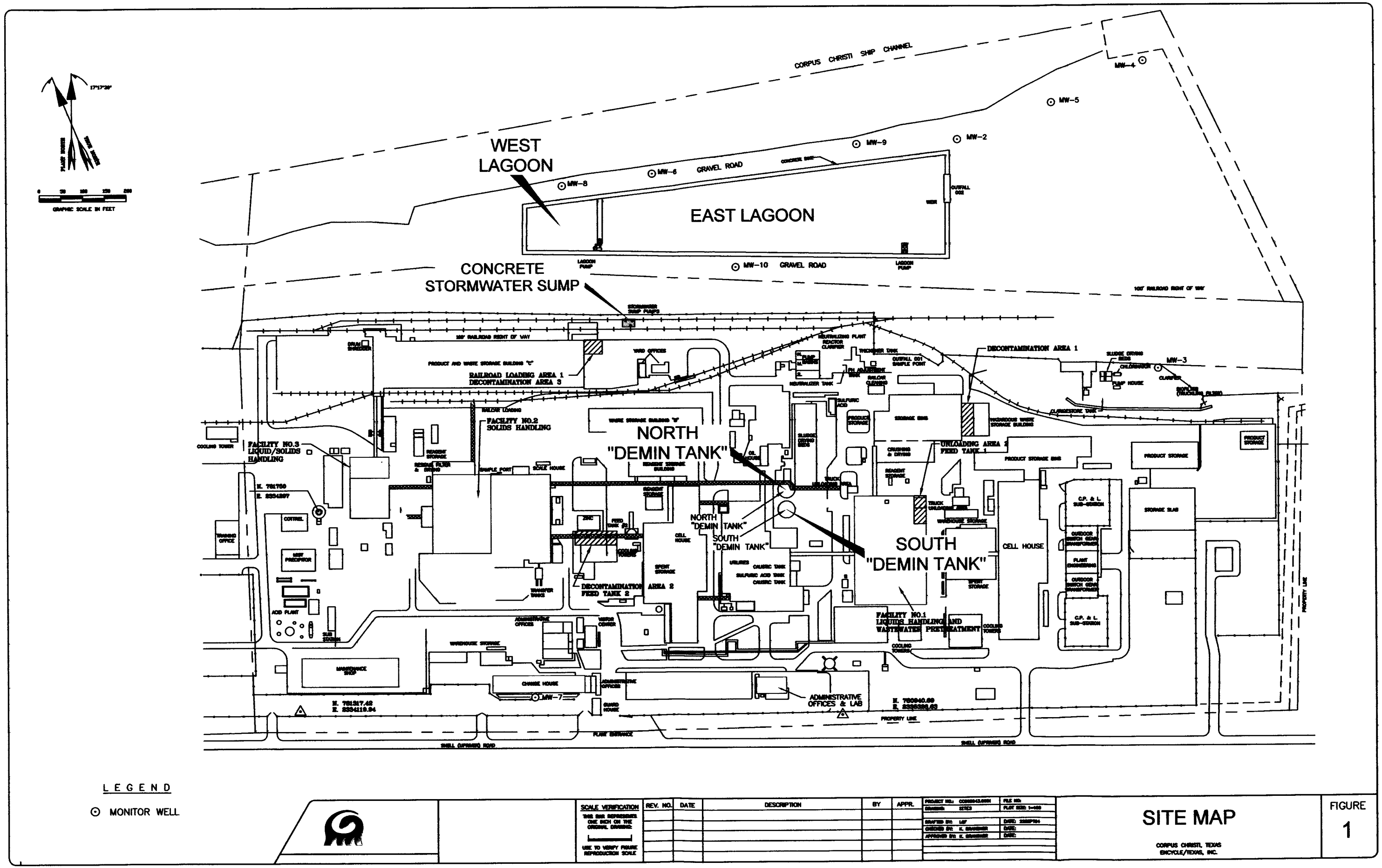
a Non-detects were assigned a value of one-half the detection limit.

b K=Tolerance factor for one-sided normal tolerance interval with 0.95 probability level (U.S. EPA, Feb. 1989)

Notes: 1) Numbers in **bold** indicate concentrations above detection limit and the background upper tolerance limit.

2) Background statistical evaluation based on April 1999 through April 2000 analytical data from hydraulically upgradient monitor wells MW-3 and MW-10. Therefore, analytical data obtained from hydraulically upgradient monitoring wells after April 2000 is not included in the background statistical evaluation.

FIGURES



SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC0000043.0001 FILE NO:
DRAWING: SITE3 PLOT SIZE: 1=400
DRAFTED BY: LAF DATE: 2/28/94
CHECKED BY: K. BRANNER DATE:
APPROVED BY: K. BRANNER DATE:

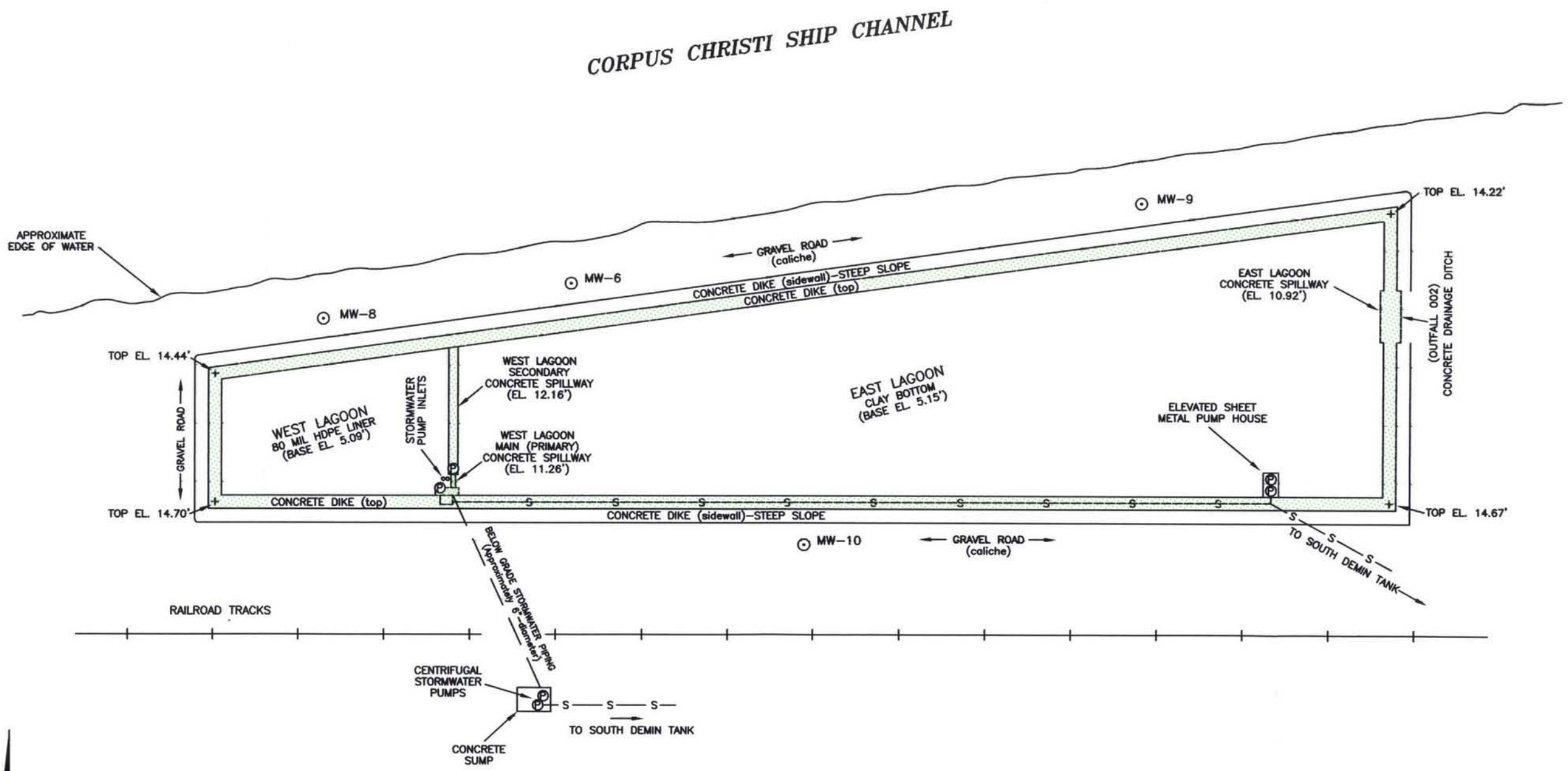
SITE MAP

CORPUS CHRISTI, TEXAS
ENCYCLE/TEXAS, INC.

FIGURE 1

DRAWING: LAGOONS-COL | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF

DWG DATE: 22SEPT04 | PRJCT NO.: CCO0643.001 | FILE:



LEGEND

- ⊙ MONITOR WELL
- Ⓟ CENTRIFUGAL PUMP (STORMWATER PUMP)
- —S—S— BELOW-GRADE 6" DIAMETER STORMWATER PIPING
- —S—S— ABOVE-GRADE 6" DIAMETER STORMWATER PIPING

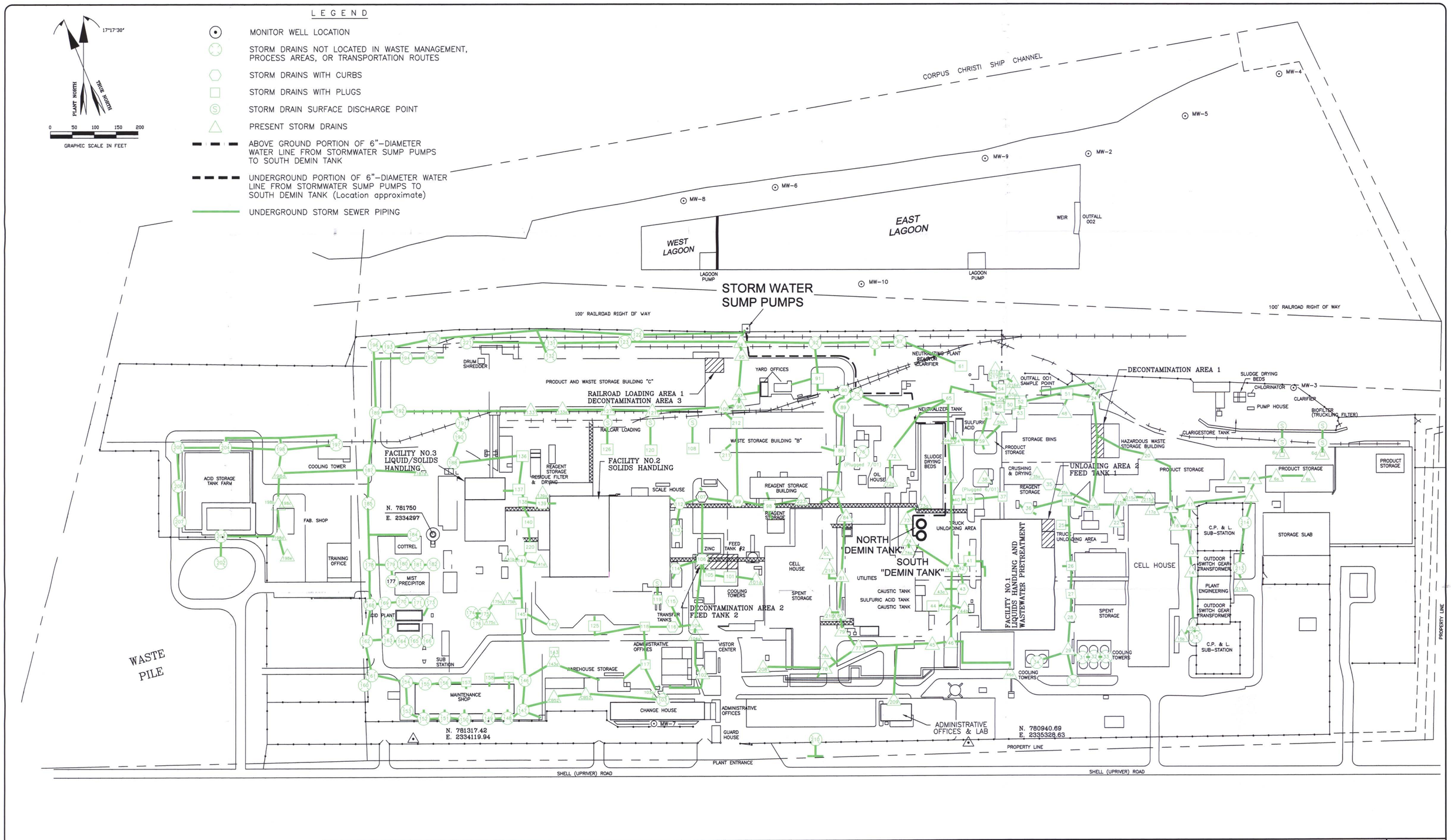
SURVEYED ELEVATIONS TAKEN BY NAISMITH ENGINEERING REGISTERED PUBLIC SURVEYOR ON MAY 20, 1999.

ARCADIS

EAST AND WEST LAGOONS PLAN VIEW

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 2



ARCADIS

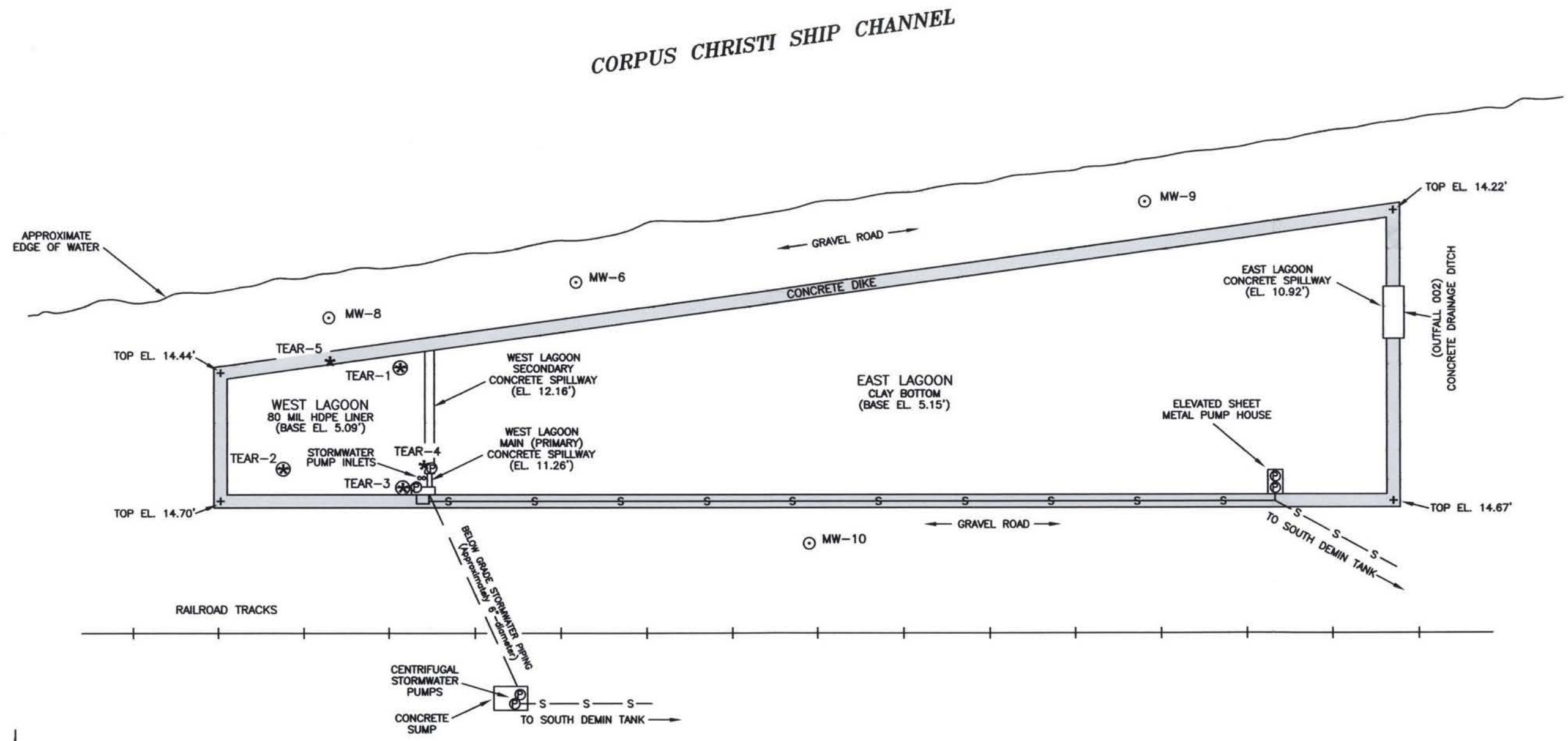
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000643.0001	FILE NO:
DRAWING: STORM-DRN	PLOT SIZE: 1=1200
DRAFTED BY: LGF	DATE: 16OCT01(10JUL02)
CHECKED BY: K. BRANDNER	DATE:
APPROVED BY: K. BRANDNER	DATE:

STORM SEWER SYSTEM MAP
(UPDATED OCTOBER 2001)

ENCYCLE/TEXAS INC.
CORPUS CHRISTI, TEXAS

FIGURE
3



LEGEND

- MONITOR WELL
- CENTRIFUGAL PUMP (STORMWATER PUMP)
- BELOW-GRADE 6" DIAMETER STORMWATER PIPING
- ABOVE-GRADE 6" DIAMETER STORMWATER PIPING
- WEST LAGOON HDPE LINER TEAR LOCATION
- SOIL SAMPLE LOCATION (November 2003)

SURVEYED ELEVATIONS TAKEN BY NAISMITH ENGINEERING REGISTERED PUBLIC SURVEYOR ON MAY 20, 1999.

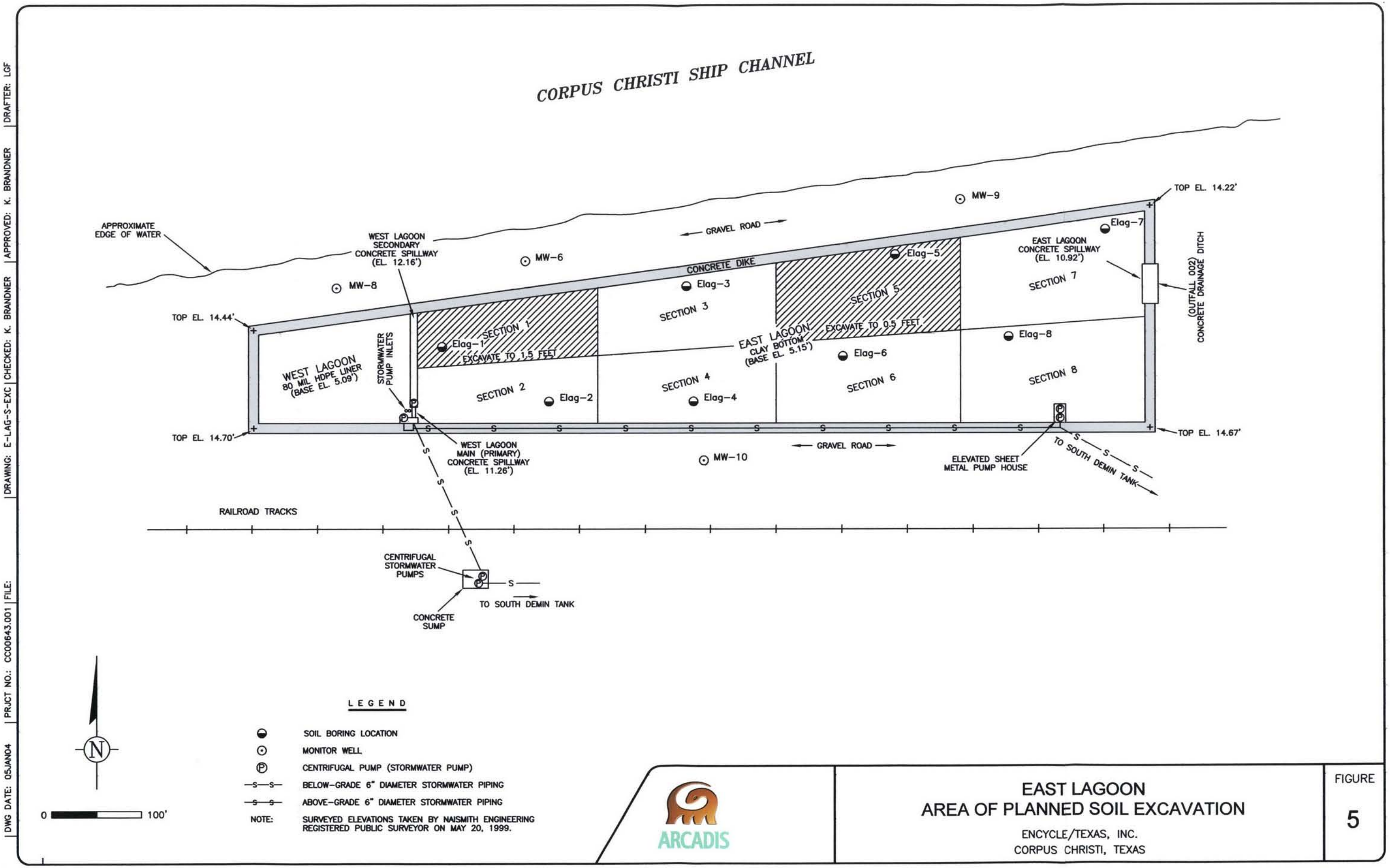
ARCADIS

EAST AND WEST LAGOONS HDPE LINER TEAR LOCATIONS

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 4

DWG DATE: 05JAN04 | PRJCT NO.: CC00643.001 | FILE: | DRAWING: LA-TEAR-LOC | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF



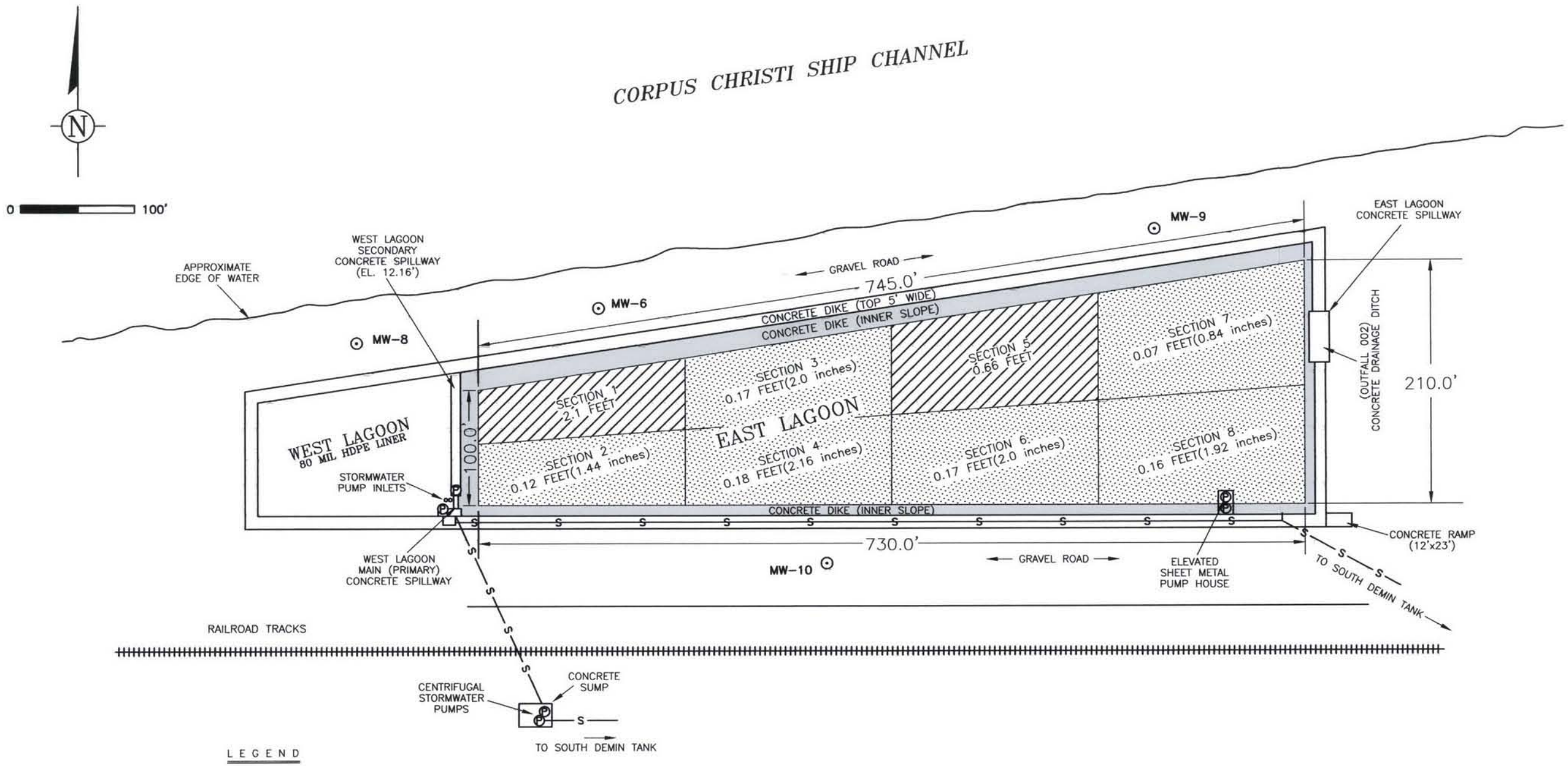
ARCADIS

EAST LAGOON
AREA OF PLANNED SOIL EXCAVATION

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 5

DWG DATE: 05JAN04 | PRJCT NO.: CC00643.001 | FILE: | DRAWING: E-LAG-S-EXC | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF



LEGEND

- AREA OF SEDIMENT EXCAVATION (UNDERLYING CLAY BOTTOM CONSTITUENT CONCENTRATIONS DID NOT EXCEED TCEQ APPROVED TARGET LEVELS)
- AREA OF SEDIMENT AND AFFECTED CLAY BOTTOM EXCAVATION
- MONITOR WELL
- CENTRIFUGAL PUMP (STORMWATER PUMP)
- —S—S— BELOW-GRADE 6" DIAMETER STORMWATER PIPING
- —S—S— ABOVE-GRADE 6" DIAMETER STORMWATER PIPING

NOTES:

(1) IN ADDITION TO EXCAVATION OF EAST LAGOON CLAY BOTTOM IN SECTION 1 AND 5, OVERLYING SEDIMENTS (1/2" TO 1" THICK) WERE EXCAVATED IN ALL EIGHT SECTIONS DURING MARCH 2004.

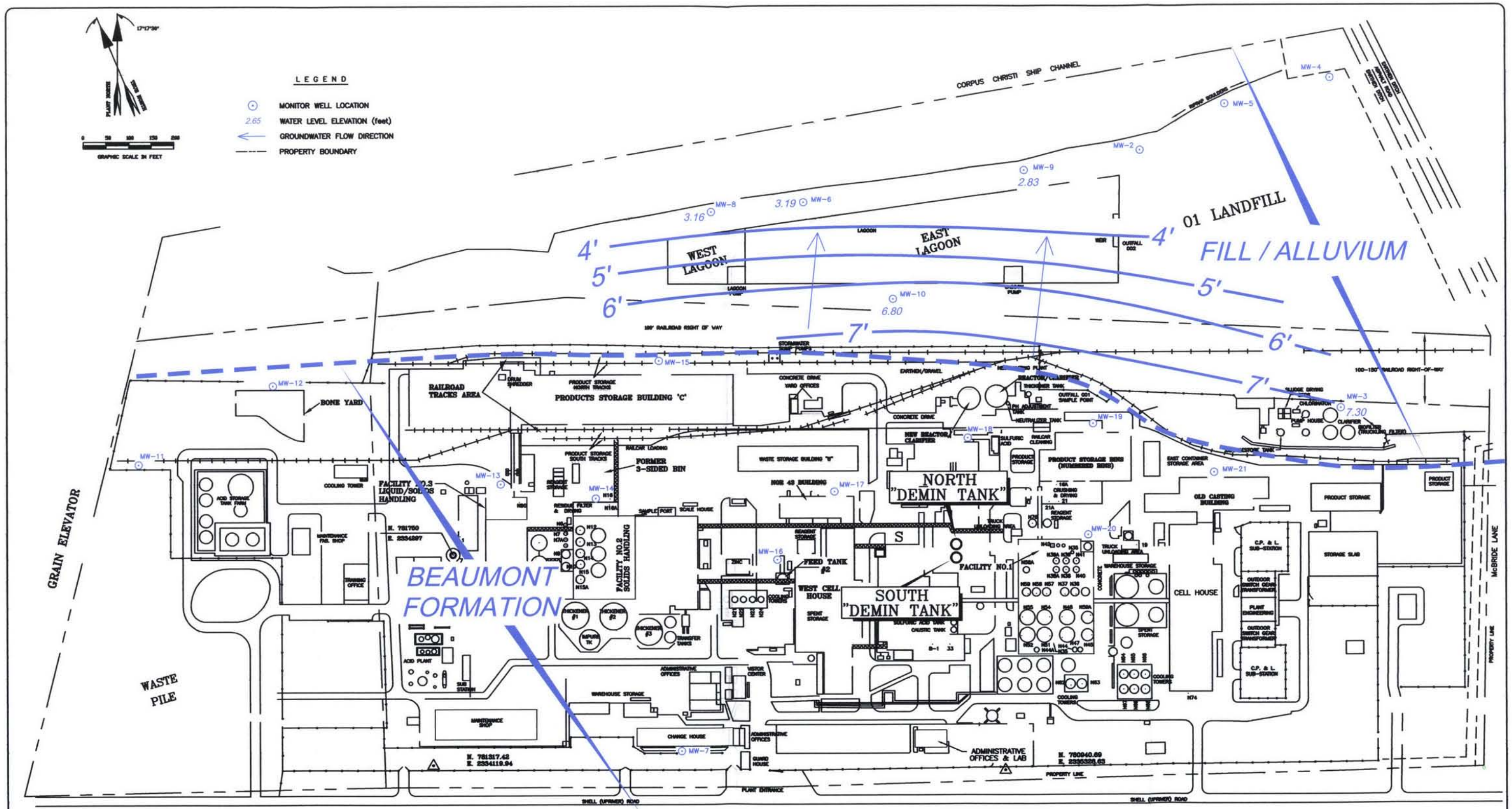
(2) FINAL EXCAVATION DEPTHS DETERMINED BY THE ELEVATION DIFFERENCE IN THE PRE-EXCAVATION SURVEY ON MARCH 24, 2004 AND THE POST-EXCAVATION SURVEY ON MARCH 30, 2004

ARCADIS

FINAL EXCAVATION DEPTHS
EAST LAGOON SEDIMENT AND CLAY BOTTOM
MARCH 31, 2004
ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
6

DWG DATE: 15ARP04 | PRJCT NO.: CC00643.001 | FILE: | DRAWING: E-LAG-FNL-EXC | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF



ARCADIS

SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000943.0001	FILE NO:
DRAWING: VTS-04	PLOT SCD: 1=1200
DRAFTED BY:	DATE: 2004.104
CHECKED BY:	DATE:
APPROVED BY:	DATE:

WATER TABLE MAP
JUNE 21, 2004

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
7

APPENDIX A

ARCADIS

Appendix A

Laboratory Reports – Soil Samples Collected during Storm Sewer Piping Repair Activities

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L010899

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010899-001	20-JUN-01	STORM DRAIN 38A	AG	6.2	ppm	EH	25-JUN-01		6010
			AS	50.	ppm	EH	25-JUN-01		6010
			BA	336.	ppm	EH	25-JUN-01		6010
			BI	7.4	ppm	EH	25-JUN-01		6010
			CD	55.	ppm	EH	25-JUN-01		6010
			CN-	1.0	ppm	DC	25-JUN-01		335.2
			CO	14.	ppm	EH	25-JUN-01		6010
			CR	35.	ppm	EH	25-JUN-01		6010
			CU	360.	ppm	EH	25-JUN-01		6010
			HG	6.1	ppm	MO	25-JUN-01		7470
			MN	930.	ppm	EH	25-JUN-01		6010
			NI	19.	ppm	EH	25-JUN-01		6010
			PB	1263.	ppm	EH	25-JUN-01		6010
			SB	21.	ppm	EH	25-JUN-01		6010
			SE	16.	ppm	EH	25-JUN-01		6010
			SN	129.	ppm	EH	25-JUN-01		6010
			TL	<1.0	ppm	MF	29-JUN-01		6020
			V	32.	ppm	EH	25-JUN-01		6010
			ZN	13330.	ppm	EH	25-JUN-01		6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010594

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010594-1		Matrix Spike	AG	111	%Recovery	EH	25-JUN-01		6010
			AS	101	%Recovery	EH	25-JUN-01		6010
			BA	99	%Recovery	EH	25-JUN-01		6010
			BI	104	%Recovery	EH	25-JUN-01		6010
			CD	106	%Recovery	EH	25-JUN-01		6010
			CN-	82	%Recovery	DC	25-JUN-01		335.2
			CO	99	%Recovery	EH	25-JUN-01		6010
			CR	112	%Recovery	EH	25-JUN-01		6010
			CU	98	%Recovery	EH	25-JUN-01		6010
			HG	104	%Recovery	MO	25-JUN-01		7470
			MN	76	%Recovery	EH	25-JUN-01		6010
			NI	102	%Recovery	EH	25-JUN-01		6010
			PB	SR>4SA	%Recovery	EH	25-JUN-01		6010
			SB	97	%Recovery	EH	05-JUL-01		6010
			SE	86	%Recovery	EH	25-JUN-01		6010
			SN	104	%Recovery	EH	25-JUN-01		6010
			TL	94	%Recovery	MF	29-JUN-01		6020
			V	109	%Recovery	EH	25-JUN-01		6010
			ZN	SR>4SA	%Recovery	EH	25-JUN-01		6010
WG010594-2		Prep Blank	AG	<0.5	ppm	EH	25-JUN-01		6010
			AS	<5.0	ppm	EH	25-JUN-01		6010
			BA	<5.0	ppm	EH	25-JUN-01		6010
			BI	<4.0	ppm	EH	25-JUN-01		6010
			CD	<1.0	ppm	EH	25-JUN-01		6010
			CN-	<0.4	ppm	DC	25-JUN-01		335.2
			CO	<5.0	ppm	EH	25-JUN-01		6010
			CR	<5.0	ppm	EH	25-JUN-01		6010
			CU	<5.0	ppm	EH	25-JUN-01		6010
			HG	<0.5	ppm	MO	25-JUN-01		7470
			MN	<5.0	ppm	EH	25-JUN-01		6010
			NI	<5.0	ppm	EH	25-JUN-01		6010
			PB	<5.0	ppm	EH	25-JUN-01		6010
			SB	<0.8	ppm	EH	25-JUN-01		6010
			SE	<0.8	ppm	EH	25-JUN-01		6010
			SN	<5.0	ppm	EH	25-JUN-01		6010
			TL	<1.0	ppm	MF	29-JUN-01		6020
			V	<5.0	ppm	EH	25-JUN-01		6010
			ZN	<5.0	ppm	EH	25-JUN-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010594

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010594-3		Lab Control Sample	AG	108	%Recovery	EH	25-JUN-01		6010
			AS	100	%Recovery	EH	25-JUN-01		6010
			BA	95	%Recovery	EH	25-JUN-01		6010
			BI	99	%Recovery	EH	25-JUN-01		6010
			CD	100	%Recovery	EH	25-JUN-01		6010
			CO	102	%Recovery	EH	25-JUN-01		6010
			CR	102	%Recovery	EH	25-JUN-01		6010
			CU	108	%Recovery	EH	25-JUN-01		6010
			HG	93	%Recovery	MO	25-JUN-01		7470
			MN	98	%Recovery	EH	25-JUN-01		6010
			NI	104	%Recovery	EH	25-JUN-01		6010
			PB	101	%Recovery	EH	25-JUN-01		6010
			SB	125*	%Recovery	EH	25-JUN-01		6010
			SE	89	%Recovery	EH	25-JUN-01		6010
			SN	100	%Recovery	EH	25-JUN-01		6010
			TL	98	%Recovery	MF	29-JUN-01		6020
			V	116	%Recovery	EH	25-JUN-01		6010
			ZN	98	%Recovery	EH	25-JUN-01		6010
WG010594-4		Matrix Spike Duplicate	AG	2.3	% RPD	EH	25-JUN-01		6010
			AS	2.2	% RPD	EH	25-JUN-01		6010
			BA	1.4	% RPD	EH	25-JUN-01		6010
			BI	2.7	% RPD	EH	25-JUN-01		6010
			CD	2.9	% RPD	EH	25-JUN-01		6010
			CN-	2.9	% RPD	DC	25-JUN-01		335.2
			CO	1.2	% RPD	EH	25-JUN-01		6010
			CR	1	% RPD	EH	25-JUN-01		6010
			CU	4.5	% RPD	EH	25-JUN-01		6010
			HG	1.7	% RPD	MO	25-JUN-01		7470
			MN	1.2	% RPD	EH	25-JUN-01		6010
			NI	1.6	% RPD	EH	25-JUN-01		6010
			PB	1.3	% RPD	EH	25-JUN-01		6010
			SB	1.2	% RPD	EH	25-JUN-01		6010
			SE	<1	% RPD	EH	25-JUN-01		6010
			SN	2.1	% RPD	EH	25-JUN-01		6010
			TL	<1	% RPD	MF	29-JUN-01		6020
			V	1.2	% RPD	EH	25-JUN-01		6010
			ZN	1.3	% RPD	EH	25-JUN-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010594

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010594-6		Reporting Limit	AG	0.5	ppm				6010
			AS	5.0	ppm				6010
			BA	5.0	ppm				6010
			BI	4.0	ppm				6010
			CD	1.0	ppm				6010
			CN-	0.4	ppm				335.2
			CO	5.0	ppm				6010
			CR	5.0	ppm				6010
			CU	5.0	ppm				6010
			HG	0.5	ppm				7470
			MN	5.0	ppm				6010
			NI	5.0	ppm				6010
			PB	5.0	ppm				6010
			SB	0.8	ppm				6010
			SE	0.8	ppm				6010
			SN	5.0	ppm				6010
			TL	1.0	ppm				6020
			V	5.0	ppm				6010
			ZN	5.0	ppm				6010

(*) LCS for Sb is within ERA 247 acceptance limits.

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name _____

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS G&M

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Be, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	C 2-8oz glass jars w/Teflon-lined lids					Remarks	Total
Storm Drain 38a	S	6/20/01 2:00		2							2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 2

Relinquished by: Ken Brandner	Organization: ARCADIS G&M, Inc	Date 6/20/01	Time PM	Seal Intact?	
Received by: [illegible]	Organization: ASARCO - TX Lab	Date 6/21/01	Time 1145A	(Yes) No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks: Samples shipped in cooler w/ice. Normal turnaround, results to Ken Brandner

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L010967

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010967-001	02-JUL-01	STORM DRAIN 78A	AG	<0.5	ppm	EH	20-JUL-01		6010
			AS	6.0	ppm	EH	20-JUL-01		6010
			BA	265.	ppm	EH	20-JUL-01		6010
			BI	<4	ppm	EH	20-JUL-01		6010
			CD	4.5	ppm	EH	20-JUL-01		6010
			CN-	0.11	ppm	DC	06-JUL-01		335.2
			CO	6.7	ppm	EH	20-JUL-01		6010
			CR	15.	ppm	EH	20-JUL-01		6010
			CU	75.	ppm	EH	20-JUL-01		6010
			HG	<0.05	ppm	MO	10-JUL-01		7471
			MN	467.	ppm	EH	20-JUL-01		6010
			NI	13.	ppm	EH	20-JUL-01		6010
			PB	65.	ppm	EH	20-JUL-01		6010
			SB	<0.8	ppm	MF	26-JUL-01		6020
			SE	<0.8	ppm	MF	26-JUL-01		6020
			SN	<5.0	ppm	EH	20-JUL-01		6010
			TL	<1.0	ppm	MF	16-JUL-01		6020
			V	25.	ppm	EH	20-JUL-01		6010
			ZN	800.	ppm	EH	20-JUL-01		6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010641

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010641-1		Matrix Spike	AG	107	%Recovery	EH	20-JUL-01		6010
			AS	103	%Recovery	EH	20-JUL-01		6010
			BA	104	%Recovery	EH	20-JUL-01		6010
			BI	108	%Recovery	EH	20-JUL-01		6010
			CD	102	%Recovery	EH	20-JUL-01		6010
			CN-	94	%Recovery	DC	06-JUL-01		335.2
			CO	103	%Recovery	EH	20-JUL-01		6010
			CR	110	%Recovery	EH	20-JUL-01		6010
			CU	114	%Recovery	EH	20-JUL-01		6010
			HG	89	%Recovery	MO	10-JUL-01		7471
			MN	119	%Recovery	EH	20-JUL-01		6010
			NI	104	%Recovery	EH	20-JUL-01		6010
			PB	104	%Recovery	EH	20-JUL-01		6010
			SB	110	%Recovery	MF	26-JUL-01		6020
			SE	103	%Recovery	MF	26-JUL-01		6020
			SN	104	%Recovery	EH	20-JUL-01		6010
			TL	93	%Recovery	MF	16-JUL-01		6020
			V	107	%Recovery	EH	20-JUL-01		6010
			ZN	106	%Recovery	EH	20-JUL-01		6010
WG010641-2		Prep Blank	AG	<0.5	ppm	EH	20-JUL-01		6010
			AS	<5.0	ppm	EH	20-JUL-01		6010
			BA	<5.0	ppm	EH	20-JUL-01		6010
			BI	<4.0	ppm	EH	20-JUL-01		6010
			CD	<1.0	ppm	EH	20-JUL-01		6010
			CN-	<0.04	ppm	DC	06-JUL-01		335.2
			CO	<5.0	ppm	EH	20-JUL-01		6010
			CR	<5.0	ppm	EH	20-JUL-01		6010
			CU	<5.0	ppm	EH	20-JUL-01		6010
			HG	<0.05	ppm	MO	10-JUL-01		7471
			MN	<5.0	ppm	EH	20-JUL-01		6010
			NI	<5.0	ppm	EH	20-JUL-01		6010
			PB	<5.0	ppm	EH	20-JUL-01		6010
			SB	<0.8	ppm	MF	26-JUL-01		6020
			SE	<0.8	ppm	MF	26-JUL-01		6020
			SN	<5.0	ppm	EH	20-JUL-01		6010
			TL	<1.0	ppm	MF	16-JUL-01		6020
			V	<5.0	ppm	EH	20-JUL-01		6010
			ZN	<5.0	ppm	EH	20-JUL-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010641

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010641-3		Lab Control Sample	AG	110	%Recovery	EH	20-JUL-01		6010
			AS	108	%Recovery	EH	20-JUL-01		6010
			BA	107	%Recovery	EH	20-JUL-01		6010
			BI	98	%Recovery	EH	20-JUL-01		6010
			CD	102	%Recovery	EH	20-JUL-01		6010
			CN-	96	%Recovery	DC	06-JUL-01		335.2
			CO	108	%Recovery	EH	20-JUL-01		6010
			CR	110	%Recovery	EH	20-JUL-01		6010
			CU	111	%Recovery	EH	20-JUL-01		6010
			HG	101	%Recovery	MO	10-JUL-01		7471
			MN	108	%Recovery	EH	20-JUL-01		6010
			NI	104	%Recovery	EH	20-JUL-01		6010
			PB	112	%Recovery	EH	20-JUL-01		6010
			SB	101	%Recovery	MF	26-JUL-01		6020
			SE	87	%Recovery	MF	26-JUL-01		6020
			SN	116	%Recovery	EH	20-JUL-01		6010
			TL	101	%Recovery	MF	16-JUL-01		6020
			V	116	%Recovery	EH	20-JUL-01		6010
			ZN	102	%Recovery	EH	20-JUL-01		6010
WG010641-4		Matrix Spike Duplicate	AG	<1	% RPD	EH	20-JUL-01		6010
			AS	<1	% RPD	EH	20-JUL-01		6010
			BA	1.5	% RPD	EH	20-JUL-01		6010
			BI	<1	% RPD	EH	20-JUL-01		6010
			CD	<1	% RPD	EH	20-JUL-01		6010
			CN-	<1	% RPD	DC	06-JUL-01		335.2
			CO	<1	% RPD	EH	20-JUL-01		6010
			CR	1.7	% RPD	EH	20-JUL-01		6010
			CU	3	% RPD	EH	20-JUL-01		6010
			HG	3.8	% RPD	MO	10-JUL-01		7471
			MN	1.2	% RPD	EH	20-JUL-01		6010
			NI	<1	% RPD	EH	20-JUL-01		6010
			PB	<1	% RPD	EH	20-JUL-01		6010
			SB	1.6	% RPD	MF	26-JUL-01		6020
			SE	1.2	% RPD	MF	26-JUL-01		6020
			SN	<1	% RPD	EH	20-JUL-01		6010
			TL	1.3	% RPD	MF	16-JUL-01		6020
			V	1.5	% RPD	EH	20-JUL-01		6010
			ZN	<1	% RPD	EH	20-JUL-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010641

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010641-6		Reporting Limit	AG	0.5	ppm				6010
			AS	5.0	ppm				6010
			BA	5.0	ppm				6010
			BI	4.0	ppm				6010
			CD	1.0	ppm				6010
			CN-	0.04	ppm				335.2
			CO	5.0	ppm				6010
			CR	5.0	ppm				6010
			CU	5.0	ppm				6010
			HG	0.05	ppm				7471
			MN	5.0	ppm				6010
			NI	5.0	ppm				6010
			PB	5.0	ppm				6010
			SB	0.8	ppm				6020
			SE	0.8	ppm				6020
			SN	5.0	ppm				6010
			TL	1.0	ppm				6020
			V	5.0	ppm				6010
			ZN	5.0	ppm				6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

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Project Number/Name CC 000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS G&M

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Se, Pb, Mn, Hg, Ni, Ag, Tl, Sn, V, Zn (2 - 8oz glass jars w/Teflon-lined lids)						Remarks	Total
Storm Drain 78a	S	7/2/01 3:45									2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 2

Relinquished by: Ken Brandner	Organization: ARCADIS G&M, Inc.	Date 7/2/01	Time PM	Seal Intact?
Received by: [illegible]	Organization: ASARCO	Date 7/2/01	Time	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Samples shipped in cooler with ice. Normal Turnaround, results to Ken Brandner

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L010988

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010988-001	06-JUL-01	STORM DRAIN 219	AG	28.	ppm	EH	20-JUL-01		6010
			AS	20.	ppm	EH	20-JUL-01		6010
			BA	440.	ppm	EH	20-JUL-01		6010
			BI	<4.0	ppm	EH	20-JUL-01		6010
			CD	33.	ppm	EH	20-JUL-01		6010
			CN-	<0.04	ppm	DC	16-JUL-01		335.2
			CO	18.	ppm	EH	20-JUL-01		6010
			CR	35.	ppm	EH	20-JUL-01		6010
			CU	350.	ppm	EH	20-JUL-01		6010
			HG	0.14	ppm	MO	16-JUL-01		7471
			MN	8108.	ppm	EH	20-JUL-01		6010
			NI	27.	ppm	EH	20-JUL-01		6010
			PB	4094.	ppm	EH	20-JUL-01		6010
			SB	3.1	ppm	MF	26-JUL-01		6020
			SE	1.3	ppm	MF	26-JUL-01		6020
			SN	14.	ppm	EH	20-JUL-01		6010
			TL	1.1	ppm	MF	17-JUL-01		6010
			V	25.	ppm	EH	20-JUL-01		6010
			ZN	15930.	ppm	EH	20-JUL-01		6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010673

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010673-1		Matrix Spike	AG	107	%Recovery	EH	20-JUL-01		6010
			AS	110	%Recovery	EH	20-JUL-01		6010
			BA	116	%Recovery	EH	20-JUL-01		6010
			BI	113	%Recovery	EH	20-JUL-01		6010
			CD	105	%Recovery	EH	20-JUL-01		6010
			CN-	100	%Recovery	DC	16-JUL-01		335.2
			CO	106	%Recovery	EH	20-JUL-01		6010
			CR	125	%Recovery	EH	20-JUL-01		6010
			CU	SR>4SA	%Recovery	EH	20-JUL-01		6010
			HG	82	%Recovery	MO	16-JUL-01		7471
			MN	119	%Recovery	EH	20-JUL-01		6010
			NI	112	%Recovery	EH	20-JUL-01		6010
			PB	SR>4SA	%Recovery	EH	20-JUL-01		6010
			SB	101	%Recovery	MF	26-JUL-01		6020
			SE	81	%Recovery	MF	26-JUL-01		6020
			SN	115	%Recovery	EH	20-JUL-01		6010
			TL	96	%Recovery	MF	17-JUL-01		6010
			V	112	%Recovery	EH	20-JUL-01		6010
			ZN	SR>4SA	%Recovery	EH	20-JUL-01		6010
WG010673-2		Prep Blank	AG	<0.5	ppm	EH	20-JUL-01		6010
			AS	<5.0	ppm	EH	20-JUL-01		6010
			BA	<5.0	ppm	EH	20-JUL-01		6010
			BI	<4.0	ppm	EH	20-JUL-01		6010
			CD	<1.0	ppm	EH	20-JUL-01		6010
			CN-	<0.04	ppm	DC	16-JUL-01		335.2
			CO	<5.0	ppm	EH	20-JUL-01		6010
			CR	<5.0	ppm	EH	20-JUL-01		6010
			CU	<5.0	ppm	EH	20-JUL-01		6010
			HG	<0.05	ppm	MO	16-JUL-01		7471
			MN	<5.0	ppm	EH	20-JUL-01		6010
			NI	<5.0	ppm	EH	20-JUL-01		6010
			PB	<5.0	ppm	EH	20-JUL-01		6010
			SB	<0.8	ppm	MF	26-JUL-01		6020
			SE	<0.8	ppm	MF	26-JUL-01		6020
			SN	<5.0	ppm	EH	20-JUL-01		6010
			TL	<1.0	ppm	MF	17-JUL-01		6010
			V	<5.0	ppm	EH	20-JUL-01		6010
			ZN	<5.0	ppm	EH	20-JUL-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010673

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010673-3		Lab Control Sample	AG	110	%Recovery	EH	20-JUL-01		6010
			AS	108	%Recovery	EH	20-JUL-01		6010
			BA	107	%Recovery	EH	20-JUL-01		6010
			BI	98	%Recovery	EH	20-JUL-01		6010
			CD	102	%Recovery	EH	20-JUL-01		6010
			CN-	97	%Recovery	DC	16-JUL-01		335.2
			CO	108	%Recovery	EH	20-JUL-01		6010
			CR	110	%Recovery	EH	20-JUL-01		6010
			CU	111	%Recovery	EH	20-JUL-01		6010
			HG	87	%Recovery	MO	16-JUL-01		7471
			MN	108	%Recovery	EH	20-JUL-01		6010
			NI	104	%Recovery	EH	20-JUL-01		6010
			PB	112	%Recovery	EH	20-JUL-01		6010
			SB	125	%Recovery	MF	26-JUL-01		6020
			SE	94	%Recovery	MF	26-JUL-01		6020
			SN	116	%Recovery	EH	20-JUL-01		6010
			TL	98	%Recovery	MF	17-JUL-01		6010
			V	116	%Recovery	EH	20-JUL-01		6010
			ZN	102	%Recovery	EH	20-JUL-01		6010
WG010673-4		Matrix Spike Duplicate	AG	<1	% RPD	EH	20-JUL-01		6010
			AS	3.3	% RPD	EH	20-JUL-01		6010
			BA	3.1	% RPD	EH	20-JUL-01		6010
			BI	2.6	% RPD	EH	20-JUL-01		6010
			CD	<1	% RPD	EH	20-JUL-01		6010
			CN-	<1	% RPD	DC	16-JUL-01		335.2
			CO	<1	% RPD	EH	20-JUL-01		6010
			CR	1.2	% RPD	EH	20-JUL-01		6010
			CU	1.5	% RPD	EH	20-JUL-01		6010
			HG	18	% RPD	MO	16-JUL-01		7471
			MN	<1	% RPD	EH	20-JUL-01		6010
			NI	3.5	% RPD	EH	20-JUL-01		6010
			PB	2.5	% RPD	EH	20-JUL-01		6010
			SB	1.6	% RPD	MF	26-JUL-01		6020
			SE	2.6	% RPD	MF	26-JUL-01		6020
			SN	8.1	% RPD	EH	20-JUL-01		6010
			TL	<1	% RPD	MF	17-JUL-01		6010
			V	1.5	% RPD	EH	20-JUL-01		6010
			ZN	<1	% RPD	EH	20-JUL-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010673

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010673-6		Reporting Limit	AG	0.5	ppm				6010
			AS	5.0	ppm				6010
			BA	5.0	ppm				6010
			BI	4.0	ppm				6010
			CD	1.0	ppm				6010
			CN-	0.04	ppm				335.2
			CO	5.0	ppm				6010
			CR	5.0	ppm				6010
			CU	5.0	ppm				6010
			HG	0.05	ppm				7471
			MN	5.0	ppm				6010
			NI	5.0	ppm				6010
			PB	5.0	ppm				6010
			SB	0.8	ppm				6020
			SE	0.8	ppm				6020
			SN	5.0	ppm				6010
			TL	1.0	ppm				6010
			V	5.0	ppm				6010
			ZN	5.0	ppm				6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

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Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN,	Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	(2-8oz wide mouth glass jars w/ Teflon-lined lids)				Remarks	Total
Storm Drain 219	S	7/6/01 12:00				2					2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 2

Relinquished by: [signature]	Organization: ARCADIS	Date 7/9/01	Time 1700	Seal Intact?
Received by: [signature]	Organization: ASARCO	Date 7/10/01	Time 1030	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Samples chopped in cooler with ice
Normal turnaround, results to Ken Brandner

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011112

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011112-001	31-JUL-01	STORM DRAIN 102	AG	1.1	ppm	EH	10-AUG-01		6010
			AS	15.	ppm	EH	10-AUG-01		6010
			BA	196.	ppm	EH	10-AUG-01		6010
			BI	<4.0	ppm	EH	10-AUG-01		6010
			CD	21.	ppm	EH	10-AUG-01		6010
			CN-	<0.04	ppm	DC	10-AUG-01		335.2
			CO	7.9	ppm	EH	10-AUG-01		6010
			CR	15.	ppm	EH	10-AUG-01		6010
			CU	89.	ppm	EH	10-AUG-01		6010
			HG	0.15	ppm	MO	10-AUG-01		7471
			MN	471.	ppm	EH	10-AUG-01		6010
			MOIST.	17.	%	AKH	06-AUG-01		GRAV.
			NI	16.	ppm	EH	10-AUG-01		6010
			PB	105.	ppm	EH	10-AUG-01		6010
			SB	<0.80	ppm	MF	21-AUG-01		6020
			SE	<0.80	ppm	MF	21-AUG-01		6020
			SN	<5.0	ppm	EH	10-AUG-01		6010
			TL	<1.0	ppm	MF	21-AUG-01		6020
			V	18.	ppm	EH	10-AUG-01		6010
			ZN	1166.	ppm	EH	10-AUG-01		6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010757

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010757-1		Matrix Spike	AG	107	%Recovery	EH	10-AUG-01		6010
			AS	99	%Recovery	EH	10-AUG-01		6010
			BA	106	%Recovery	EH	10-AUG-01		6010
			BI	105	%Recovery	EH	10-AUG-01		6010
			CD	101	%Recovery	EH	10-AUG-01		6010
			CN-	90	%Recovery	DC	10-AUG-01		335.2
			CO	102	%Recovery	EH	10-AUG-01		6010
			CR	114	%Recovery	EH	10-AUG-01		6010
			CU	124	%Recovery	EH	10-AUG-01		6010
			HG	SR>4SA	%Recovery	MO	10-AUG-01		7471
			MN	112	%Recovery	EH	10-AUG-01		6010
			NI	103	%Recovery	EH	10-AUG-01		6010
			PB	102	%Recovery	EH	10-AUG-01		6010
			SB	80	%Recovery	MF	21-AUG-01		6020
			SE	75	%Recovery	MF	21-AUG-01		6020
			SN	101	%Recovery	EH	10-AUG-01		6010
			TL	98	%Recovery	MF	21-AUG-01		6020
			V	108	%Recovery	EH	10-AUG-01		6010
			ZN	96	%Recovery	EH	10-AUG-01		6010
WG010757-2		Prep Blank	AG	<0.50	ppm	EH	10-AUG-01		6010
			AS	<5.0	ppm	EH	10-AUG-01		6010
			BA	<5.0	ppm	EH	10-AUG-01		6010
			BI	<4.0	ppm	EH	10-AUG-01		6010
			CD	<1.0	ppm	EH	10-AUG-01		6010
			CN-	<0.04	ppm	DC	10-AUG-01		335.2
			CO	<5.0	ppm	EH	10-AUG-01		6010
			CR	<5.0	ppm	EH	10-AUG-01		6010
			CU	<5.0	ppm	EH	10-AUG-01		6010
			HG	<0.05	ppm	MO	10-AUG-01		7471
			MN	<5.0	ppm	EH	10-AUG-01		6010
			NI	<5.0	ppm	EH	10-AUG-01		6010
			PB	<5.0	ppm	EH	10-AUG-01		6010
			SB	<0.80	ppm	MF	21-AUG-01		6020
			SE	<0.80	ppm	MF	21-AUG-01		6020
			SN	<5.0	ppm	EH	10-AUG-01		6010
			TL	<1.0	ppm	MF	21-AUG-01		6020
			V	<5.0	ppm	EH	10-AUG-01		6010
			ZN	<5.0	ppm	EH	10-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010757

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010757-3		Lab Control Sample	AG	111	%Recovery	EH	10-AUG-01		6010
			AS	107	%Recovery	EH	10-AUG-01		6010
			BA	104	%Recovery	EH	10-AUG-01		6010
			BI	99	%Recovery	EH	10-AUG-01		6010
			CD	101	%Recovery	EH	10-AUG-01		6010
			CN-	93	%Recovery	DC	10-AUG-01		335.2
			CO	104	%Recovery	EH	10-AUG-01		6010
			CR	104	%Recovery	EH	10-AUG-01		6010
			CU	112	%Recovery	EH	10-AUG-01		6010
			HG	84	%Recovery	MO	10-AUG-01		7471
			MN	105	%Recovery	EH	10-AUG-01		6010
			NI	103	%Recovery	EH	10-AUG-01		6010
			PB	102	%Recovery	EH	10-AUG-01		6010
			SB	93	%Recovery	MF	21-AUG-01		6020
			SE	90	%Recovery	MF	21-AUG-01		6020
			SN	109	%Recovery	EH	10-AUG-01		6010
			TL	100	%Recovery	MF	21-AUG-01		6020
			V	110	%Recovery	EH	10-AUG-01		6010
			ZN	100	%Recovery	EH	10-AUG-01		6010
WG010757-5		Matrix Spike Duplicate	AG	1.3	% RPD	EH	10-AUG-01		6010
			AS	<1	% RPD	EH	10-AUG-01		6010
			BA	<1	% RPD	EH	10-AUG-01		6010
			BI	<1	% RPD	EH	10-AUG-01		6010
			CD	4.5	% RPD	EH	10-AUG-01		6010
			CN-	6.8	% RPD	DC	10-AUG-01		335.2
			CO	<1	% RPD	EH	10-AUG-01		6010
			CR	1.2	% RPD	EH	10-AUG-01		6010
			CU	<1	% RPD	EH	10-AUG-01		6010
			HG	<1	% RPD	MO	10-AUG-01		7471
			MN	<1	% RPD	EH	10-AUG-01		6010
			NI	<1	% RPD	EH	10-AUG-01		6010
			PB	<1	% RPD	EH	10-AUG-01		6010
			SB	5.9	% RPD	MF	21-AUG-01		6020
			SE	1	% RPD	MF	21-AUG-01		6020
			SN	<1	% RPD	EH	10-AUG-01		6010
			TL	<1	% RPD	MF	21-AUG-01		6020
			V	1.2	% RPD	EH	10-AUG-01		6010
			ZN	<1	% RPD	EH	10-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010757

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010757-6		Reporting Limit	AG	0.50	ppm				6010
			AS	5.0	ppm				6010
			BA	5.0	ppm				6010
			BI	4.0	ppm				6010
			CD	1.0	ppm				6010
			CN-	0.04	ppm				335.2
			CO	5.0	ppm				6010
			CR	5.0	ppm				6010
			CU	5.0	ppm				6010
			HG	0.05	ppm				7471
			MN	5.0	ppm				6010
			NI	5.0	ppm				6010
			PB	5.0	ppm				6010
			SB	0.80	ppm				6020
			SE	0.80	ppm				6020
			SN	5.0	ppm				6010
			TL	1.0	ppm				6020
			V	5.0	ppm				6010
			ZN	5.0	ppm				6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. 1

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN,	Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	(2-8oz. w. demouth glass jars w/ Teflon-lined lids)		TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn	& Total Cyanide (2 8oz. glass w/ Teflon-lined lids)	Remarks	Total
Storm Drain 102	S	7/31/01 14:00				2					2
Concrete Composite	S	7/31/01 14:20							2		2
Storm Drain 102 soil	S	7/31/01 14:30							2		2
Storm Drain 78a soil	S	7/31/01 14:50							2		2
✓											

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 8

Relinquished by: Ken Brandner	Organization: ARCADIS G&M	Date 7/31/01	Time PM	Seal Intact?
Received by: [signature]	Organization: ASARCO	Date 8/01/01	Time 10 AM	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandner.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

APPENDIX B

ARCADIS

Appendix B

Laboratory Reports – Waste Characterization Analyses of Excess Soils and Concrete Excavated during Storm Sewer Piping Repair Activities

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011113

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011113-001	31-JUL-01	CONCRETE COMPOSITE (TCLP)	AG	<0.050	ppm	ESH	03-AUG-01		6010
			AS	<0.10	ppm	ESH	03-AUG-01		6010
			BA	0.33	ppm	ESH	03-AUG-01		6010
			CD	<0.050	ppm	ESH	03-AUG-01		6010
			CR	0.23	ppm	ESH	03-AUG-01		6010
			HG	<5.0	ppb	MO	06-AUG-01		7470
			NI	<0..10	ppm	ESH	03-AUG-01		6010
			PB	<0.10	ppm	ESH	03-AUG-01		6010
			PH	9.4	pH	MO	01-AUG-01		150.1
			SB	<0.10	ppm	ESH	03-AUG-01		6010
			SE	<0.10	ppm	ESH	03-AUG-01		6010
			TL	<0.10	ppm	ESH	03-AUG-01		6010
			V	<0.10	ppm	ESH	03-AUG-01		6010
			ZN	<0.10	ppm	ESH	03-AUG-01		6010
L011113-002	31-JUL-01	STORM DRAIN 102 SOIL (TCLP)	AG	<0.050	ppm	ESH	03-AUG-01		6010
			AS	<0.10	ppm	ESH	03-AUG-01		6010
			BA	1.1	ppm	ESH	03-AUG-01		6010
			CD	0.58	ppm	ESH	03-AUG-01		6010
			CR	<0.10	ppm	ESH	03-AUG-01		6010
			HG	<0.50	ppb	MO	06-AUG-01		7470
			NI	<0.10	ppm	ESH	03-AUG-01		6010
			PB	<0.10	ppm	ESH	03-AUG-01		6010
			PH	9.3	pH	MO	01-AUG-01		150.1
			SB	<0.10	ppm	ESH	03-AUG-01		6010
			SE	<0.10	ppm	ESH	03-AUG-01		6010
			TL	<0.10	ppm	ESH	03-AUG-01		6010
			V	<0.10	ppm	ESH	03-AUG-01		6010
			ZN	7.7	ppm	ESH	03-AUG-01		6010
L011113-003	31-JUL-01	STORM DRIAN 78A SOIL (TCLP)	AG	<0.050	ppm	ESH	03-AUG-01		6010
			AS	<0.10	ppm	ESH	03-AUG-01		6010
			BA	0.76	ppm	ESH	03-AUG-01		6010
			CD	0.06	ppm	ESH	03-AUG-01		6010
			CR	<0.10	ppm	ESH	03-AUG-01		6010
			HG	<0.50	ppb	MO	06-AUG-01		7470
			NI	<0.10	ppm	ESH	03-AUG-01		6010
			PB	0.15	ppm	ESH	03-AUG-01		6010
			PH	11.3	pH	MO	01-AUG-01		150.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011113

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011113-003	31-JUL-01	STORM DRIAN 78A SOIL (TCLP)	SB	<0.10	ppm	ESH	03-AUG-01		6010
			SE	<0.10	ppm	ESH	03-AUG-01		6010
			TL	<0.1	ppm	ESH	03-AUG-01		6010
			V	<0.10	ppm	ESH	03-AUG-01		6010
			ZN	5.3	ppm	ESH	03-AUG-01		6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010768

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010768-1		Matrix Spike	AG	100	%Recovery	ESH	03-AUG-01		6010
			AS	89	%Recovery	ESH	03-AUG-01		6010
			BA	91	%Recovery	ESH	03-AUG-01		6010
			CD	88	%Recovery	ESH	03-AUG-01		6010
			CR	91	%Recovery	ESH	03-AUG-01		6010
			HG	101	ppb	MO	06-AUG-01		7470
			NI	89	%Recovery	ESH	03-AUG-01		6010
			PB	91	%Recovery	ESH	03-AUG-01		6010
			SB	89	%Recovery	ESH	03-AUG-01		6010
			SE	80	%Recovery	ESH	03-AUG-01		6010
			TL	82	%Recovery	ESH	03-AUG-01		6010
			V	93	%Recovery	ESH	03-AUG-01		6010
			ZN	88	%Recovery	ESH	03-AUG-01		6010
WG010768-2		Prep Blank	AG	<0.050	ppm	ESH	03-AUG-01		6010
			AS	<0.10	ppm	ESH	03-AUG-01		6010
			BA	<0.10	ppm	ESH	03-AUG-01		6010
			CD	<0.050	ppm	ESH	03-AUG-01		6010
			CR	<0.10	ppm	ESH	03-AUG-01		6010
			HG	<0.50	ppb	MO	06-AUG-01		7470
			NI	<0.10	ppm	ESH	03-AUG-01		6010
			PB	<0.10	ppm	ESH	03-AUG-01		6010
			SB	<0.10	ppm	ESH	03-AUG-01		6010
			SE	<0.10	ppm	ESH	03-AUG-01		6010
			TL	<0.10	ppm	ESH	03-AUG-01		6010
			V	<0.10	ppm	ESH	03-AUG-01		6010
			ZN	<0.10	ppm	ESH	03-AUG-01		6010
WG010768-3		Lab Control Sample	AG	92	%Recovery	ESH	03-AUG-01		6010
			AS	90	%Recovery	ESH	03-AUG-01		6010
			BA	96	%Recovery	ESH	03-AUG-01		6010
			CD	95	%Recovery	ESH	03-AUG-01		6010
			CR	94	%Recovery	ESH	03-AUG-01		6010
			HG	96	%Recovery	MO	06-AUG-01		7470
			NI	94	%Recovery	ESH	03-AUG-01		6010
			PB	96	%Recovery	ESH	03-AUG-01		6010
			SB	92	%Recovery	ESH	03-AUG-01		6010
			SE	80	%Recovery	ESH	03-AUG-01		6010
			TL	90	%Recovery	ESH	03-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010768

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010768-1		Matrix Spike	AG	100	%Recovery	ESH	03-AUG-01		6010
			AS	89	%Recovery	ESH	03-AUG-01		6010
			BA	91	%Recovery	ESH	03-AUG-01		6010
			CD	88	%Recovery	ESH	03-AUG-01		6010
			CR	91	%Recovery	ESH	03-AUG-01		6010
			HG	101	ppb	MO	06-AUG-01		7470
			NI	89	%Recovery	ESH	03-AUG-01		6010
			PB	91	%Recovery	ESH	03-AUG-01		6010
			SB	89	%Recovery	ESH	03-AUG-01		6010
			SE	80	%Recovery	ESH	03-AUG-01		6010
			TL	82	%Recovery	ESH	03-AUG-01		6010
			V	93	%Recovery	ESH	03-AUG-01		6010
			ZN	88	%Recovery	ESH	03-AUG-01		6010
WG010768-2		Prep Blank	AG	<0.050	ppm	ESH	03-AUG-01		6010
			AS	<0.10	ppm	ESH	03-AUG-01		6010
			BA	<0.10	ppm	ESH	03-AUG-01		6010
			CD	<0.050	ppm	ESH	03-AUG-01		6010
			CR	<0.10	ppm	ESH	03-AUG-01		6010
			HG	<0.50	ppb	MO	06-AUG-01		7470
			NI	<0.10	ppm	ESH	03-AUG-01		6010
			PB	<0.10	ppm	ESH	03-AUG-01		6010
			SB	<0.10	ppm	ESH	03-AUG-01		6010
			SE	<0.10	ppm	ESH	03-AUG-01		6010
			TL	<0.10	ppm	ESH	03-AUG-01		6010
			V	<0.10	ppm	ESH	03-AUG-01		6010
			ZN	<0.10	ppm	ESH	03-AUG-01		6010
WG010768-3		Lab Control Sample	AG	92	%Recovery	ESH	03-AUG-01		6010
			AS	90	%Recovery	ESH	03-AUG-01		6010
			BA	96	%Recovery	ESH	03-AUG-01		6010
			CD	95	%Recovery	ESH	03-AUG-01		6010
			CR	94	%Recovery	ESH	03-AUG-01		6010
			HG	96	%Recovery	MO	06-AUG-01		7470
			NI	94	%Recovery	ESH	03-AUG-01		6010
			PB	96	%Recovery	ESH	03-AUG-01		6010
			SB	92	%Recovery	ESH	03-AUG-01		6010
			SE	80	%Recovery	ESH	03-AUG-01		6010
			TL	90	%Recovery	ESH	03-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010768

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010768-3		Lab Control Sample	V	93	%Recovery	ESH	03-AUG-01		6010
			ZN	93	%Recovery	ESH	03-AUG-01		6010
WG010768-5		Matrix Spike Duplicate	AG	1.5	% RPD	ESH	03-AUG-01		6010
			AS	1.2	% RPD	ESH	03-AUG-01		6010
			BA	1.8	% RPD	ESH	03-AUG-01		6010
			CD	<1	% RPD	ESH	03-AUG-01		6010
			CR	<1	% RPD	ESH	03-AUG-01		6010
			HG	<1	% RPD	MO	06-AUG-01		7470
			NI	<1	% RPD	ESH	03-AUG-01		6010
			PB	1.1	% RPD	ESH	03-AUG-01		6010
			SB	1.4	% RPD	ESH	03-AUG-01		6010
			SE	1.5	% RPD	ESH	03-AUG-01		6010
			TL	<1	% RPD	ESH	03-AUG-01		6010
			V	<1	% RPD	ESH	03-AUG-01		6010
			ZN	<1	% RPD	ESH	03-AUG-01		6010
WG010768-6		Reporting Limit	AG	0.050	ppm				6010
			AS	0.10	ppm				6010
			BA	0.10	ppm				6010
			CD	0.050	ppm				6010
			CR	0.10	ppm				6010
			HG	0.50	ppb				7470
			NI	0.10	ppm				6010
			PB	0.10	ppm				6010
			SB	0.10	ppm				6010
			SE	0.10	ppm				6010
			TL	0.10	ppm				6010
			V	0.10	ppm				6010
			ZN	0.10	ppm				6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (2-8oz. w. demarks glass jars w/ Teflon-lined lids)	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn & Total Cyanide (2 8oz. glass w/ Teflon-lined lids)	Remarks	Total
Storm Drain 102	S	7/31/01 14:00		2			2
Concrete Composite	S	7/31/01 14:20			2		2
Storm Drain 102 Sol.	S	7/31/01 14:30			2		2
Storm Drain 78 Sol.	S	7/31/01 14:50			2		2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 8

Relinquished by: Ken Brandner	Organization: ARCADIS G&M	Date 7/31/01	Time PM	Seal Intact?
Received by: [illegible]	Organization: ASARCO	Date 8/01/01	Time 10 AM	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandner.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

APPENDIX C

ARCADIS

Appendix C

Manifests for Excess Soils and Concrete Excavated during Storm Sewer Piping Repair Activities

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T.X.D.0.0.8.1.1.7.1.8.6 | Manifest Document No. [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UPRIVER ROAD CORPUS CHRISTI, TX 78407

4. Generator's Phone ( )

A. State Manifest Document Number: 02340017

B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: Plum Industrial Services

6. US EPA ID Number: T.X.D.9.8.0.8.6.8.4.6.7

C. State Transporter's ID: [illegible]

D. Transporter's Phone: [illegible]

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID: [illegible]

F. Transporter's Phone: [illegible]

9. Designated Facility Name and Site Address
TEXAS ECOLOGIST, INC
3.5 MILES SOUTH ON PETRONILLARD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: T.X.D.0.6.9.4.5.2.3.4.0

G. State Facility's ID: [illegible]

H. Facility's Phone: 361 [illegible]

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. WASTE CONCRETE AND DEBRIS NONHAZARDOUS CLASS I	001	CM	10,380	P
	b.				
	c.				
	d.				

J. Additional Descriptions: [illegible]

K. Handling Codes: [illegible]

15. Special Handling Instructions and Additional Information
ROLLOFF # M-99

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: BETH PAYNE | Signature: Beth Payne | Month 09 Day 06 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Hal Bracey | Signature: Hal Bracey | Date: Month 09 Day 06 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
[illegible] 10520

Printed/Typed Name: [illegible] | Signature: [illegible] | Date: Month 09 Day 07 Year 01

GENERATOR / TRANSPORTER / FACILITY

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD[illegible] | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ENCYCLE [illegible] P.O. BOX 476 CORPUS [illegible]

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 0234001[illegible]

B. State Generator's ID: 30003

5. Transporter 1 Company Name: Philip Industrial Services

6. US EPA ID Number: [illegible]

C. State Transporter's ID: 84236

D. Transporter's Phone: 361-265-[illegible]

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: TEXAS [illegible] INC 3 MILES SOUTH ON PETRONILLA ROAD ROBSTOWN, TEXAS 78380

10. US EPA ID Number: [illegible]

G. State Facility's ID: 50052

H. Facility's Phone: 361-357-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. CLASS 1, NON HAZARDOUS MATERIAL (CONCRETE)	[illegible]	M	2230.0	P	003[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: CONCRETE [illegible]

K. Handling Codes for Wastes Listed Above: M-132

15. Special Handling Instructions and Additional Information: ROLLOFF # M-[illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: BETH [illegible] | Signature: [illegible] | Month 09 Day 06 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Hal Bracey | Signature: Hal Bracey | Month 09 Day 06 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [illegible] | Signature: [illegible] | Date: Month 09 Day 07 Year 01

GENERATOR

TRANSPORTER

FACILITY

TNRCC-0311 (Rev. 07/01/97)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TX D 0 0 8 1 1 7 1 8 6 | Manifest Document No. [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address ENCYCLE/TEXAS
P.O. BOX 4767
CORPUS CHRISTI, TX 78469

4. Generator's Phone (361) 289-0380

A. State Manifest Document Number 0234001[illegible]

B. State Generator's ID

5. Transporter 1 Company Name Philip Industrial Service

6. US EPA ID Number TX D 9 8 0 8 6 8 4 6 7

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address TEXAS ECOLOGIST, INC
3.5 Miles South on Petronilla Rd
ROBSTOWN, TEXAS

10. US EPA ID Number TX D 0 6 9 4 5 2 3 4 0

G. State Facility's ID

H. Facility's Phone

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. CLASS 1, NON-HAZARDOUS MATERIAL (CONCRETE)	001	CM	26720	P
	b.				
	c.				
	d.				

GENERATOR

J. Additional Description

15. Special Handling Instructions and Additional Information
ROLLOFF # M-49

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
BETH PAYNE	Beth Payne	09	07	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Hal Bracey	Hal Bracey	09	07	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Tax wt = 26,980

Printed/Typed Name	Signature	Month	Day	Year
Luis Barrera	[illegible]	09	07	01

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

APPENDIX D

ARCADIS

Appendix D

Laboratory Report – Storm Sewer Rinseate Sample

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011140

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011140-001	03-AUG-01	STORM WATER SUMP	AG	<0.005	ppm	EH	08-AUG-01	180	6010
			AS	0.015	ppm	MF	17-AUG-01	180	6020M
			BA	0.14	ppm	EH	08-AUG-01	180	6010
			CR	0.016	ppm	MF	17-AUG-01	180	6020M
			HG	1.3	ppb	MO	08-AUG-01	28	7470
			PB	0.36	ppm	MF	17-AUG-01	180	6020M
			SE	<0.010	ppm	MF	17-AUG-01	180	6020M
L011140-002	03-AUG-01	FIELD BLANK	AG	<0.005	ppm	EH	08-AUG-01	180	6010
			AS	<0.005	ppm	MF	17-AUG-01	180	6020M
			BA	<0.050	ppm	EH	08-AUG-01	180	6010
			CR	<0.010	ppm	MF	17-AUG-01	180	6020M
			HG	<0.50	ppb	MO	08-AUG-01	28	7470
			PB	<0.020	ppm	MF	17-AUG-01	180	6020M
			SE	<0.010	ppm	MF	17-AUG-01	180	6020M
L011140-003	03-AUG-01	TRIP BLANK	AG	<0.005	ppm	EH	08-AUG-01	180	6010
			AS	<0.005	ppm	MF	17-AUG-01	180	6020M
			BA	<0.050	ppm	EH	08-AUG-01	180	6010
			CR	<0.010	ppm	MF	17-AUG-01	180	6020M
			HG	<0.50	ppb	MO	08-AUG-01	28	7470
			PB	<0.020	ppm	MF	17-AUG-01	180	6020M
			SE	<0.010	ppm	MF	17-AUG-01	180	6020M

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010776-1		Matrix Spike	AG	84	%Recovery	EH	08-AUG-01		6010
			AS	94	%Recovery	MF	17-AUG-01		6020M
			BA	98	%Recovery	EH	08-AUG-01		6010
			CR	100	%Recovery	MF	17-AUG-01		6020M
			HG	106	%Recovery	MO	08-AUG-01		7470
			PB	98	%Recovery	MF	17-AUG-01		6020M
			SE	84	%Recovery	MF	17-AUG-01		6020M
WG010776-2		Prep Blank	AG	<0.005	ppm	EH	08-AUG-01		6010
			AS	<0.005	ppm	MF	17-AUG-01		6020M
			BA	<0.050	ppm	EH	08-AUG-01		6010
			CR	<0.010	ppm	MF	17-AUG-01		6020M
			HG	<0.50	ppb	MO	08-AUG-01		7470
			PB	<0.020	ppm	MF	17-AUG-01		6020M
			SE	<0.010	ppm	MF	17-AUG-01		6020M
WG010776-3		Lab Control Sample	AG	94	%Recovery	EH	08-AUG-01		6010
			AS	102	%Recovery	MF	17-AUG-01		6020M
			BA	95	%Recovery	EH	08-AUG-01		6010
			CR	102	%Recovery	MF	17-AUG-01		6020M
			HG	106	%Recovery	MO	08-AUG-01		7470
			PB	97	%Recovery	MF	17-AUG-01		6020M
			SE	89	%Recovery	MF	17-AUG-01		6020M
WG010776-4		Matrix Spike Duplicate	AG	4.6	% RPD	EH	08-AUG-01		6010
			AS	<1	% RPD	MF	17-AUG-01		6020M
			BA	<1	% RPD	EH	08-AUG-01		6010
			CR	<1	% RPD	MF	17-AUG-01		6020M
			HG	<1	% RPD	MO	08-AUG-01		7470
			PB	<1	% RPD	MF	17-AUG-01		6020M
			SE	<1	% RPD	MF	17-AUG-01		6020M
WG010776-5		Reporting Limit	AG	0.005	ppm				6010
			AS	0.005	ppm				6020M
			BA	0.050	ppm				6010
			CR	0.010	ppm				6020M
			HG	0.50	ppb				7470
			PB	0.020	ppm				6020M
			SE	0.010	ppm				6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO, St. Lake City, UT

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total As, Ba, Cr, Pb, Hg, Se, Ag (1 pt. polyethylene w/ HNO3)						Remarks	Total
Storm Water Sump	L	8/3/01 15:00		1							1
Field Blank	L	8/3/01 15:15		1							1
Trip Blank	L	8/3/01		1							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 3

Relinquished by: Kenneth J Brandner	Organization: ARCADIS G&M	Date 8/6/01	Time PM	Seal Intact? Yes No N/A
Received by: [illegible]	Organization: ASARCO	Date 8/7/01	Time 1000	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Samples shipped in cooler with ice. Results to Ken Brandner.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

APPENDIX E

ARCADIS

Appendix E

Laboratory Report – West Lagoon Sediment Samples

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011363

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011363-001	27-SEP-01	W LAGOON COMP A	AG	91.	ppm	EH	08-OCT-01	6010
			AS	639.	ppm	EH	08-OCT-01	6010
			BA	1945.	ppm	EH	08-OCT-01	6010
			BI	69.	ppm	EH	08-OCT-01	6010
			CD	1980.	ppm	EH	10-OCT-01	6010
			CN-	0.72	ppm	DC	02-OCT-01	335.2
			CO	1705.	ppm	EH	10-OCT-01	6010
			CR	698.	ppm	EH	08-OCT-01	6010
			CU	12130.	ppm	EH	08-OCT-01	6010
			FLASH PT.	>200	deg f	AWL	11-OCT-01	1010
			HG	7.8	ppm	MO	04-OCT-01	7471
			MN	3360.	ppm	EH	08-OCT-01	6010
			MOIST.	48.	%	AKH	03-OCT-01	GRAV.
			NI	3289.	ppm	EH	08-OCT-01	6010
			PB	17750.	ppm	EH	08-OCT-01	6010
			PH	8.0	pH	MO	03-OCT-01	9040
			REAC CN-	<0.10	ppm	DC	02-OCT-01	9010
			REAC S=	<1.5	ppm	DC	02-OCT-01	9030
			SB	106.	ppm	EH	08-OCT-01	6010
			SE	40.	ppm	EH	08-OCT-01	6010
			SN	636.	ppm	EH	08-OCT-01	6010
			TL	13.	ppm	MF	12-OCT-01	6020
			V	114.	ppm	EH	08-OCT-01	6010
			ZN	43720.	ppm	EH	10-OCT-01	6010
L011363-002	27-SEP-01	W LAGOON COMP B	AG	54.	ppm	EH	08-OCT-01	6010
			AS	395.	ppm	EH	08-OCT-01	6010
			BA	1369.	ppm	EH	08-OCT-01	6010
			BI	35.	ppm	EH	08-OCT-01	6010
			CD	1337.	ppm	EH	10-OCT-01	6010
			CN-	0.80	ppm	DC	02-OCT-01	335.2
			CO	1067.	ppm	EH	10-OCT-01	6010
			CR	570.	ppm	EH	08-OCT-01	6010
			CU	7386.	ppm	EH	08-OCT-01	6010
			FLASH PT.	>200	deg f	AWL	11-OCT-01	1010
			HG	4.8	ppm	MO	04-OCT-01	7471
			MN	2697.	ppm	EH	08-OCT-01	6010
			MOIST.	46.	%	AKH	03-OCT-01	GRAV.
			NI	2402.	ppm	EH	08-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011363

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011363-002	27-SEP-01	W LAGOON COMP B	PB	11670.	ppm	EH	08-OCT-01	6010
			PH	7.6	pH	MO	03-OCT-01	9040
			REAC CN-	<0.10	ppm	DC	02-OCT-01	9010
			REAC S=	<1.5	ppm	DC	02-OCT-01	9030
			SB	60.	ppm	EH	08-OCT-01	6010
			SE	33.	ppm	EH	08-OCT-01	6010
			SN	319.	ppm	EH	08-OCT-01	6010
			TL	5.7	ppm	MF	12-OCT-01	6020
			V	73.	ppm	EH	08-OCT-01	6010
			ZN	39380.	ppm	EH	10-OCT-01	6010
L011363-003	27-SEP-01	W LAGOON COMP B DUP	AG	62.	ppm	EH	08-OCT-01	6010
			AS	450.	ppm	EH	08-OCT-01	6010
			BA	1534.	ppm	EH	08-OCT-01	6010
			BI	41.	ppm	EH	08-OCT-01	6010
			CD	1498.	ppm	EH	10-OCT-01	6010
			CN-	0.91	ppm	DC	02-OCT-01	335.2
			CO	1186.	ppm	EH	10-OCT-01	6010
			CR	602.	ppm	EH	08-OCT-01	6010
			CU	8796.	ppm	EH	08-OCT-01	6010
			FLASH PT.	>200	deg f	AWL	11-OCT-01	1010
			HG	4.6	ppm	MO	04-OCT-01	7471
			MN	3032.	ppm	EH	08-OCT-01	6010
			MOIST.	45.	%	AKH	03-OCT-01	GRAV.
			NI	2670.	ppm	EH	08-OCT-01	6010
			PB	12860.	ppm	EH	08-OCT-01	6010
			PH	7.1	pH	MO	03-OCT-01	9040
			REAC CN-	<0.10	ppm	DC	02-OCT-01	9010
			REAC S=	<1.5	ppm	DC	02-OCT-01	9030
			SB	59.	ppm	EH	08-OCT-01	6010
			SE	38.	ppm	EH	08-OCT-01	6010
			SN	375.	ppm	EH	08-OCT-01	6010
			TL	6.5	ppm	MF	12-OCT-01	6020
			V	77.	ppm	EH	08-OCT-01	6010
			ZN	43160.	ppm	EH	10-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011363

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010949

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010949-1		Matrix Spike	AG	SR>4SA	%Recovery	EH	08-OCT-01	6010
			AS	101	%Recovery	EH	08-OCT-01	6010
			BA	103	%Recovery	EH	08-OCT-01	6010
			BI	99	%Recovery	EH	08-OCT-01	6010
			CD	SR>4SA	%Recovery	EH	10-OCT-01	6010
			CN-	86	%Recovery	DC	02-OCT-01	335.2
			CO	SR>4SA	%Recovery	EH	10-OCT-01	6010
			CR	104	%Recovery	EH	08-OCT-01	6010
			CU	SR>4SA	%Recovery	EH	08-OCT-01	6010
			HG	SR>4SA	%Recovery	MO	04-OCT-01	7471
			MN	SR>4SA	%Recovery	EH	08-OCT-01	6010
			NI	SR>4SA	%Recovery	EH	08-OCT-01	6010
			PB	SR>4SA	%Recovery	EH	08-OCT-01	6010
			REAC S=	82	%Recovery	DC	02-OCT-01	9030
			SB	114	%Recovery	EH	08-OCT-01	6010
			SE	90	%Recovery	EH	08-OCT-01	6010
			SN	111	%Recovery	EH	08-OCT-01	6010
			TL	86	%Recovery	MF	12-OCT-01	6020
			V	112	%Recovery	EH	08-OCT-01	6010
			ZN	SR>4SA	%Recovery	EH	10-OCT-01	6010
WG010949-2		Prep Blank	AG	<0.50	ppm	EH	08-OCT-01	6010
			AS	<5.0	ppm	EH	08-OCT-01	6010
			BA	<5.0	ppm	EH	08-OCT-01	6010
			BI	<4.0	ppm	EH	08-OCT-01	6010
			CD	<1.0	ppm	EH	10-OCT-01	6010
			CN-	<0.4	ppm	DC	02-OCT-01	335.2
			CO	<5.0	ppm	EH	10-OCT-01	6010
			CR	<5.0	ppm	EH	08-OCT-01	6010
			CU	<5.0	ppm	EH	08-OCT-01	6010
			HG	<0.5	ppm	MO	04-OCT-01	7471
			MN	<5.0	ppm	EH	08-OCT-01	6010
			NI	<5.0	ppm	EH	08-OCT-01	6010
			PB	<5.0	ppm	EH	08-OCT-01	6010
			REAC CN-	<0.10	ppm	DC	02-OCT-01	9010
			REAC S=	<1.5	ppm	DC	02-OCT-01	9030
			SB	<0.80	ppm	EH	08-OCT-01	6010
			SE	<0.80	ppm	EH	08-OCT-01	6010
			SN	<5.0	ppm	EH	08-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010949

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010949-2		Prep Blank	TL	<1.0	ppm	MF	12-OCT-01	6020
			V	<5.0	ppm	EH	08-OCT-01	6010
			ZN	<5.0	ppm	EH	10-OCT-01	6010
WG010949-3		Lab Control Sample	AG	120	%Recovery	EH	08-OCT-01	6010
			AS	109	%Recovery	EH	08-OCT-01	6010
			BA	107	%Recovery	EH	08-OCT-01	6010
			BI	95	%Recovery	EH	08-OCT-01	6010
			CD	108	%Recovery	EH	10-OCT-01	6010
			CO	108	%Recovery	EH	10-OCT-01	6010
			CR	109	%Recovery	EH	08-OCT-01	6010
			CU	105	%Recovery	EH	08-OCT-01	6010
			HG	98	%Recovery	MO	04-OCT-01	7471
			MN	114	%Recovery	EH	08-OCT-01	6010
			NI	109	%Recovery	EH	08-OCT-01	6010
			PB	108	%Recovery	EH	08-OCT-01	6010
			SB	122*	%Recovery	EH	08-OCT-01	6010
			SE	96	%Recovery	EH	08-OCT-01	6010
			SN	113	%Recovery	EH	08-OCT-01	6010
			TL	91	%Recovery	MF	12-OCT-01	6020
			V	117	%Recovery	EH	08-OCT-01	6010
			ZN	108	%Recovery	EH	10-OCT-01	6010
WG010949-4		Matrix Spike Duplicate	AG	+/- PRDL	% RPD	EH	08-OCT-01	6010
			AS	2.2	% RPD	EH	08-OCT-01	6010
			BA	2.9	% RPD	EH	08-OCT-01	6010
			BI	2.9	% RPD	EH	08-OCT-01	6010
			CD	4.1	% RPD	EH	10-OCT-01	6010
			CO	4.1	% RPD	EH	10-OCT-01	6010
			CR	2.5	% RPD	EH	08-OCT-01	6010
			CU	1.2	% RPD	EH	08-OCT-01	6010
			HG	6.7	% RPD	MO	04-OCT-01	7471
			MN	1.7	% RPD	EH	08-OCT-01	6010
			NI	2.1	% RPD	EH	08-OCT-01	6010
			PB	2.1	% RPD	EH	08-OCT-01	6010
			REAC S=	<1	% RPD	DC	02-OCT-01	9030
			SB	3.4	% RPD	EH	08-OCT-01	6010
			SE	1.5	% RPD	EH	08-OCT-01	6010
			SN	2.5	% RPD	EH	08-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010949

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010949-4		Matrix Spike Duplicate	TL	1.1	% RPD	MF	12-OCT-01	6020
			V	<1	% RPD	EH	08-OCT-01	6010
			ZN	<1	% RPD	EH	10-OCT-01	6010
WG010949-5		Duplicate	CN-	5.4	% RPD	DC	02-OCT-01	335.2
			MOIST.	2.8	% RPD	AKH	03-OCT-01	GRAV.
WG010949-6		Reporting Limit	AG	0.50	ppm			6010
			AS	5.0	ppm			6010
			BA	5.0	ppm			6010
			BI	4.0	ppm			6010
			CD	1.0	ppm			6010
			CN-	0.40	ppm			335.2
			CO	5.0	ppm			6010
			CR	5.0	ppm			6010
			CU	5.0	ppm			6010
			HG	0.50	ppm			7471
			MN	5.0	ppm			6010
			NI	5.0	ppm			6010
			PB	5.0	ppm			6010
			REAC CN-	0.10	ppm			9010
			REAC S=	1.5	ppm			9030
			SB	0.80	ppm			6010
			SE	0.80	ppm			6010
			SN	5.0	ppm			6010
			TL	1.0	ppm			6020
			V	5.0	ppm			6010
			ZN	5.0	ppm			6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010949

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

(*) Sb LCS is within acceptance performance limits.

Approved

Reviewer

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
-mail: awal@xmission.com

Kyle F. Gross
Laboratory Manager

Peggy McNicol
QA Officer

Client: ASARCO, Inc.
Date Sampled: September 27, 2001
Project: Encycle

Contact: Terrie Mortensen
Date Received: October 1, 2001

Lab Sample ID:
L47758-01A

Field Sample ID:
L011363-001

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Amount Detected
Flashpoint	°F	10/11/01	1010	200	> 200

Released by: _____
Laboratory Supervisor

Report Date: October 11, 2001

All analysis applicable to the CWA, SDWA and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached Chain-of-Custody. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

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Toll Free (888) 263-8686
Fax (801) 263-8687
-mail: awal@xmission.com

Kyle F. Gross
Laboratory Manager

Peggy McNicol
QA Officer

Client: ASARCO, Inc.
Date Sampled: September 27, 2001
Project: Encycle

Contact: Terrie Mortensen
Date Received: October 1, 2001

Lab Sample ID:
L47758-02A

Field Sample ID:
L011363-002

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Amount Detected
Flashpoint	°F	10/11/01	1010	200	> 200

Released by: _____
Laboratory Supervisor

Report Date: October 11, 2001

All analysis applicable to the CWA, SDWA and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached Chain-of-Custody. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
-mail: awal@xmission.com

Kyle F. Gross
Laboratory Manager

Peggy McNicol
QA Officer

Client: ASARCO, Inc.
Date Sampled: September 27, 2001
Project: Encycle

Contact: Terrie Mortensen
Date Received: October 1, 2001

Lab Sample ID:
L47758-03A

Field Sample ID:
L011363-003

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Amount Detected
Flashpoint	°F	10/11/01	1010	200	> 200

Released by: _____
Laboratory Supervisor

Report Date: October 11, 2001

All analysis applicable to the CWA, SDWA and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached Chain-of-Custody. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

Client A[illegible] RCO

Address 3422 S 700 W

SLC UT 84119

City State Zip

Phone/Fax (801) 263-5252 Fax 264-9838

Contact Terrie

Project Name Encycle

Project Number/P.O.#

AMERICAN WEST ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, Utah 84115

(801) 263-8686
Fax (801) 263-8687

CHAIN OF CUSTODY

Lab Sample Set # 4 758

Page _____ f _____

Circle One:
TAT I II III S
LEVEL of QC I II III IV

Lab ID No. (Lab Only)	Sample ID	Date/Time Collected	Matrix	Number of Containers (Total)	Ignitability									COMMENTS
	L011363-001	9-27-01			X									
	L011363-002	9-27-01			X									
	L011363-003	9-27-01			X									

LABORATORY USE ONLY

SAMPLES WERE:
1 Shipped or hand delivered
Notes:
2 Ambient or Chilled
Notes:
3 Temperature _____
4 Received Broken/Leaking (Improperly Sealed)
Y N
Notes:
5 Properly Preserved
Y N
Notes:
6 Received Within Holding Times
Y N
Notes:

COC Tape Was:
1 Present on Outer Package
Y N NA
2 Unbroken on Outer Package
Y N NA
3 Present on Sample
Y N NA
4 Unbroken on Sample
Y N NA
Notes:

Discrepancies Between Sample Labels and COC Record?
Y N
Notes:

Relinquished By: Signature [signature] Date/Time 10-01-01 1035 ~~[illegible]~~
PRINT NAME T Mortensen

Received By: Signature Eric Holm Date/Time 10/1/01 10:35am
PRINT NAME Eric Holm

Relinquished By: Signature Eric Holm Date/Time 10/1/01 10:45
PRINT NAME Eric Holm

Received By: Signature [signature] Date/Time 10/1/01 10:45
PRINT NAME Rebekah Richardson

Special Instructions:

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Bryan Haney & Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn.	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)		Ignitability, Reactivity, Corrosivity (16 oz. glass w/ Teflon-lined lid)		Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (16 oz. poly container w/ HNO3)		Remarks	Total
West Lagoon Comp A	S	9/27/01 14:00			1		1					2
West Lagoon Comp B	S	14:40			1		1					2
West Lagoon Comp B-DUP	S	14:40			1		1					2
Equipment Blank	L	9/27/01 15:00							1			1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: Ken Brandner	Organization: ARCADIS G&M	Date 9/27/01	Time PM	Seal Intact?
Received by: James Mortensen	Organization: ASARCO	Date 10/01/01	Time 0745	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandner of ARCADIS. Samples shipped in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011365

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011365-001	27-SEP-01	EQUIPMENT BLANK	AG	<0.005	ppm	EH	08-OCT-01	6010
			AS	<0.005	ppm	MF	12-OCT-01	6020M
			BA	<0.050	ppm	EH	08-OCT-01	6010
			BI	<0.050	ppm	EH	08-OCT-01	6010
			CD	<0.010	ppm	EH	08-OCT-01	6010
			CO	<0.050	ppm	EH	08-OCT-01	6010
			CR	<0.010	ppm	EH	08-OCT-01	6010
			CU	<0.050	ppm	EH	08-OCT-01	6010
			HG	<0.50	ppb	MO	04-OCT-01	7470
			MN	<0.015	ppm	EH	08-OCT-01	6010
			NI	<0.050	ppm	EH	08-OCT-01	6010
			PB	<0.020	ppm	EH	08-OCT-01	6010
			SB	<0.050	ppm	MF	12-OCT-01	6020M
			SE	<0.010	ppm	MF	12-OCT-01	6020M
			SN	<0.050	ppm	EH	08-OCT-01	6010
			TL	<0.002	ppm	MF	12-OCT-01	6020M
			V	<0.050	ppm	EH	08-OCT-01	6010
			ZN	<0.050	ppm	EH	08-OCT-01	6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010950

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST		DATE ANALYZED	METHOD
WG010950-1		Matrix Spike	AG	96	%Recovery	EH		08-OCT-01	6010
			AS	90	%Recovery	MF		12-OCT-01	6020M
			BA	102	%Recovery	EH		08-OCT-01	6010
			BI	96	%Recovery	EH		08-OCT-01	6010
			CD	99	%Recovery	EH		08-OCT-01	6010
			CO	100	%Recovery	EH		08-OCT-01	6010
			CR	102	%Recovery	EH		08-OCT-01	6010
			CU	109	%Recovery	EH		08-OCT-01	6010
			HG	111	%Recovery	MO		04-OCT-01	7470
			MN	105	%Recovery	EH		08-OCT-01	6010
			NI	101	%Recovery	EH		08-OCT-01	6010
			PB	101	%Recovery	EH		08-OCT-01	6010
			SB	98	%Recovery	MF		12-OCT-01	6020M
			SE	85	%Recovery	MF		12-OCT-01	6020M
			SN	100	%Recovery	EH		08-OCT-01	6010
			TL	104	%Recovery	MF		12-OCT-01	6020M
			V	104	%Recovery	EH		08-OCT-01	6010
			ZN	97	%Recovery	EH	o	08-OCT-01	6010
WG010950-2		Prep Blank	AG	<0.005	ppm	EH		08-OCT-01	6010
			AS	<0.005	ppm	EH		08-OCT-01	6010
			BA	<0.050	ppm	EH		08-OCT-01	6010
			BI	<0.050	ppm	EH		08-OCT-01	6010
			CD	<0.010	ppm	EH		08-OCT-01	6010
			CO	<0.050	ppm	EH		08-OCT-01	6010
			CR	<0.010	ppm	EH		08-OCT-01	6010
			CU	<0.050	ppm	EH		08-OCT-01	6010
			HG	<0.50	ppb	MO		04-OCT-01	7470
			MN	<0.015	ppm	EH		08-OCT-01	6010
			NI	<0.050	ppm	EH		08-OCT-01	6010
			PB	<0.020	ppm	EH		08-OCT-01	6010
			SB	<0.050	ppm	MF		12-OCT-01	6020M
			SE	<0.010	ppm	MF		12-OCT-01	6020M
			SN	<0.050	ppm	EH		08-OCT-01	6010
			TL	<0.002	ppm	MF		12-OCT-01	6020M
			V	<0.050	ppm	EH		08-OCT-01	6010
			ZN	<0.050	ppm	EH		08-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010950

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010950-3		Lab Control Sample	AG	98	%Recovery	EH	08-OCT-01	6010
			AS	93	%Recovery	EH	08-OCT-01	6010
			BA	98	%Recovery	EH	08-OCT-01	6010
			BI	86	%Recovery	EH	08-OCT-01	6010
			CD	94	%Recovery	EH	08-OCT-01	6010
			CO	95	%Recovery	EH	08-OCT-01	6010
			CR	97	%Recovery	EH	08-OCT-01	6010
			CU	104	%Recovery	EH	08-OCT-01	6010
			HG	107	%Recovery	MO	04-OCT-01	7470
			MN	99	%Recovery	EH	08-OCT-01	6010
			NI	96	%Recovery	EH	08-OCT-01	6010
			PB	98	%Recovery	EH	08-OCT-01	6010
			SB	97	%Recovery	MF	12-OCT-01	6020M
			SE	86	%Recovery	MF	12-OCT-01	6020M
			SN	102	%Recovery	EH	08-OCT-01	6010
			TL	98	%Recovery	MF	12-OCT-01	6020M
			V	100	%Recovery	EH	08-OCT-01	6010
			ZN	100	%Recovery	EH	08-OCT-01	6010
WG010950-4		Matrix Spike Duplicate	AG	<1	% RPD	EH	08-OCT-01	6010
			AS	<1	% RPD	EH	08-OCT-01	6010
			BA	<1	% RPD	EH	08-OCT-01	6010
			BI	+/- PRDL	% RPD	EH	08-OCT-01	6010
			CD	<1	% RPD	EH	08-OCT-01	6010
			CO	<1	% RPD	EH	08-OCT-01	6010
			CR	<1	% RPD	EH	08-OCT-01	6010
			CU	2.7	% RPD	EH	08-OCT-01	6010
			HG	<1	% RPD	MO	04-OCT-01	7470
			MN	<1	% RPD	EH	08-OCT-01	6010
			NI	<1	% RPD	EH	08-OCT-01	6010
			PB	1.4	% RPD	EH	08-OCT-01	6010
			SB	<1	% RPD	MF	12-OCT-01	6020M
			SE	<1	% RPD	MF	12-OCT-01	6020M
			SN	12	% RPD	EH	08-OCT-01	6010
			TL	<1	% RPD	MF	12-OCT-01	6020M
			V	1.1	% RPD	EH	08-OCT-01	6010
			ZN	<1	% RPD	EH	08-OCT-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010950

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010950-6		Reporting Limit	AG	0.005	ppm			6010
			AS	0.005	ppm			6010
			BA	0.050	ppm			6010
			BI	0.050	ppm			6010
			CD	0.010	ppm			6010
			CO	0.050	ppm			6010
			CR	0.010	ppm			6010
			CU	0.050	ppm			6010
			HG	0.50	ppb			7470
			MN	0.015	ppm			6010
			NI	0.050	ppm			6010
			PB	0.020	ppm			6010
			SB	0.050	ppm			6020M
			SE	0.010	ppm			6020M
			SN	0.050	ppm			6010
			TL	0.002	ppm			6020M
			V	0.050	ppm			6010
			ZN	0.050	ppm			6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011364

LAB NO	DATE COLLECTED	DESCRIPTION		PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011364-001	27-SEP-01	W LAGOON COMP A	TCLP	AG	<0.050	ppm	ESH	04-OCT-01	6010
				AS	<0.10	ppm	ESH	04-OCT-01	6010
				BA	0.64	ppm	ESH	04-OCT-01	6010
				CD	2.7	ppm	ESH	04-OCT-01	6010
				CR	<0.10	ppm	ESH	04-OCT-01	6010
				HG	<0.50	ppb	MO	04-OCT-01	7470
				NI	3.1	ppm	ESH	04-OCT-01	6010
				PB	0.16	ppm	ESH	04-OCT-01	6010
				PH	8.0	pH	MO	04-OCT-01	150.1
				SB	<0.10	ppm	ESH	04-OCT-01	6010
				SE	<0.10	ppm	ESH	04-OCT-01	6010
				TL	0.10	ppm	ESH	04-OCT-01	6010
				V	<0.10	ppm	ESH	04-OCT-01	6010
				ZN	33	ppm	ESH	04-OCT-01	6010
L011364-002	27-SEP-01	W LAGOON COMP B	TCLP	AG	<0.050	ppm	ESH	04-OCT-01	6010
				AS	<0.10	ppm	ESH	04-OCT-01	6010
				BA	0.95	ppm	ESH	04-OCT-01	6010
				CD	12	ppm	ESH	04-OCT-01	6010
				CR	<0.10	ppm	ESH	04-OCT-01	6010
				HG	<0.50	ppb	MO	04-OCT-01	7470
				NI	4.1	ppm	ESH	04-OCT-01	6010
				PB	7.8	ppm	ESH	04-OCT-01	6010
				PH	7.6	pH	MO	04-OCT-01	150.1
				SB	<0.10	ppm	ESH	04-OCT-01	6010
				SE	<0.10	ppm	ESH	04-OCT-01	6010
				TL	<0.10	ppm	ESH	04-OCT-01	6010
				V	<0.10	ppm	ESH	04-OCT-01	6010
				ZN	189	ppm	ESH	15-OCT-01	6010
L011364-003	27-SEP-01	W LAGOON COMP B DUP	TCLP	AG	<0.050	ppm	ESH	04-OCT-01	6010
				AS	<0.10	ppm	ESH	04-OCT-01	6010
				BA	0.99	ppm	ESH	04-OCT-01	6010
				CD	13	ppm	ESH	04-OCT-01	6010
				CR	<0.10	ppm	ESH	04-OCT-01	6010
				HG	0.6	ppb	MO	04-OCT-01	7470
				NI	4.1	ppm	ESH	04-OCT-01	6010
				PB	12	ppm	ESH	04-OCT-01	6010
				PH	7.1	pH	MO	04-OCT-01	150.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011364

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011364-003	27-SEP-01	W LAGOON COMP B DUP TCLP	SB	<0.10	ppm	ESH	04-OCT-01	6010
			SE	<0.10	ppm	ESH	04-OCT-01	6010
			TL	<0.10	ppm	ESH	04-OCT-01	6010
			V	<0.10	ppm	ESH	04-OCT-01	6010
			ZN	187	ppm	ESH	15-OCT-01	6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG010971

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG010971-6		Reporting Limit	AG	0.050	ppm	ESH	04-OCT-01	6010
			AS	0.10	ppm	ESH	04-OCT-01	6010
			BA	0.10	ppm	ESH	04-OCT-01	6010
			CD	0.050	ppm	ESH	04-OCT-01	6010
			CR	0.10	ppm	ESH	04-OCT-01	6010
			HG	0.50	ppb	MO	04-OCT-01	7470
			NI	0.10	ppm	ESH	04-OCT-01	6010
			PB	0.10	ppm	ESH	04-OCT-01	6010
			SB	0.10	ppm	ESH	04-OCT-01	6010
			SE	0.10	ppm	ESH	04-OCT-01	6010
			TL	0.10	ppm	ESH	04-OCT-01	6010
			V	0.10	ppm	ESH	04-OCT-01	6010
			ZN	0.10	ppm	ESH	04-OCT-01	6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Bryan Haney & Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn.	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)		Ignitability, Reactivity, Corrosivity (16 oz. glass w/ Teflon-lined lid)		Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mg, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (16 oz. poly container w/ Hg)	Remarks	Total
West Lagoon Comp A	S	9/27/01 14:00			1		1				2
West Lagoon Comp B	S	14:40			1		1				2
West Lagoon Comp B-DUP	S	14:40			1		1				2
Equipment Blank	L	9/27/01 15:00							1		1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: Ken Brandner	Organization: ARCADIS G&M	Date 9/27/01	Time PM	Seal Intact?
Received by: Jamie Mortensen	Organization: ASARCO	Date 10/01/01	Time 0745	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandner of ARCADIS. Samples shipped in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

APPENDIX F

ARCADIS

Appendix F

Site Photographs

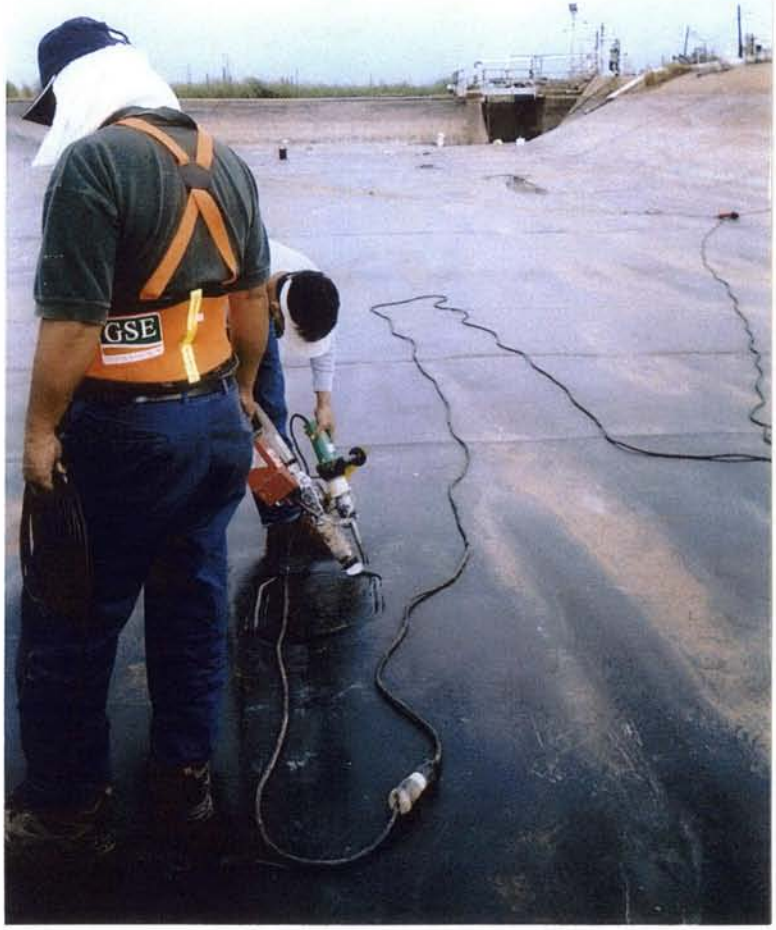
Photograph No. 1. West Lagoon prior to sediment removal, view facing west from northwest corner of East Lagoon. Photograph taken by K. Brandner, November 3, 2003.

Photograph No. 2. West Lagoon prior to sediment removal, view facing north from southeast corner of West Lagoon. Photograph taken by K. Brandner, November 3, 2003.

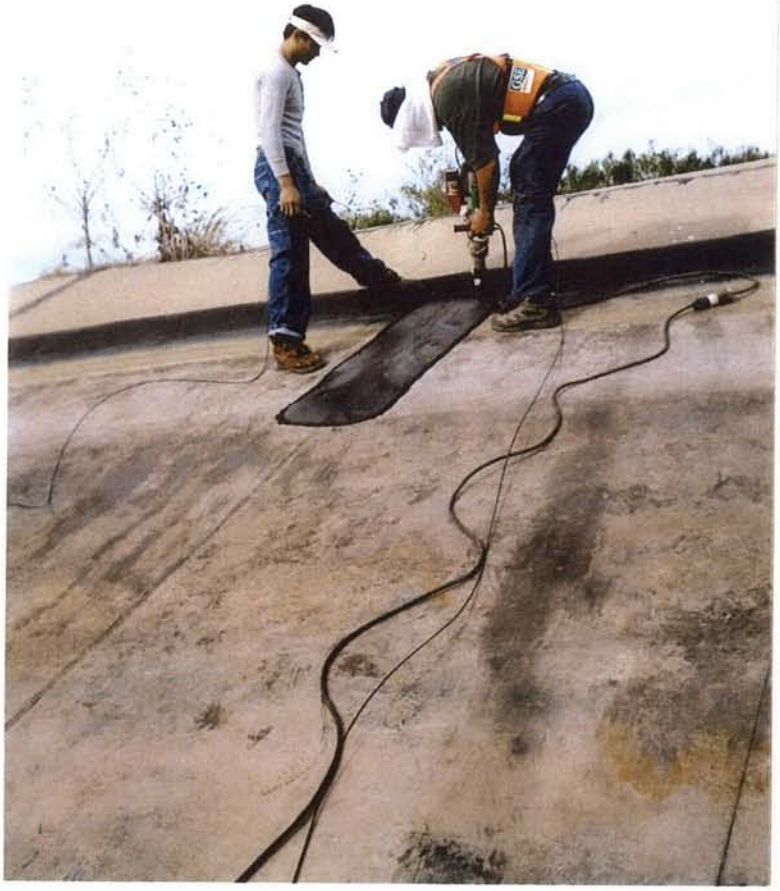
Photograph No. 3. Removal of sediment from West Lagoon using vacuum hoses attached to vacuum trucks, view facing west from southeast corner of West Lagoon. Photograph taken by K. Brandner, November 4, 2003.

Photograph No. 4. Steel roll-off box (green) and steel vacuum box (red) south of West Lagoon, view facing southeast from southeast corner of West Lagoon. Photograph taken by K. Brandner, November 4, 2003.

Photograph No. 5. West Lagoon following sediment removal, view facing southwest from northeast corner of West Lagoon. Photograph taken by A. Garcia, November 25, 2003.



Photograph No. 6. Repair of West Lagoon HDPE liner Tear 2, view facing east.
Photograph taken by A. Garcia, November 25, 2003.



Photograph No. 7. Repair of West Lagoon HDPE liner Tear 5, view facing north.
Photograph taken by A. Garcia, November 25, 2003.

Photograph No. 8. East Lagoon prior to sediment removal, view facing east from southwest corner of East Lagoon. Section 2 in foreground. Photograph taken by A. Garcia, March 22, 2004.

Photograph No. 9. Initiation of sediment excavation activities in East Lagoon, view facing north from southeast corner of East Lagoon. Section 8 in foreground. Photograph taken by A. Garcia, March 24, 2004.

Photograph No. 10. Excavation of sediment and affected clay bottom in East Lagoon, view facing east from northwest corner of East Lagoon. Section 1 in foreground. Photograph taken by A. Garcia, March 30, 2004.

Photograph No. 11. Backfilling of Section 5 in East Lagoon, view facing west. Photograph taken by A. Garcia, April 2, 2004.

Photograph No. 12. Backfilling of Section 1 in East Lagoon, view facing east. Photograph taken by A. Garcia, April 2, 2004.

Photograph No. 13. Backfilling of East Lagoon, view facing west from east-center end of East Lagoon. Photograph taken by A. Garcia, April 2, 2004.

Photograph No. 14. Concrete perimeter wall repair/crack sealing in progress, view facing west from northeast corner of East Lagoon. Photograph taken by K. Brandner, August 3, 2004.

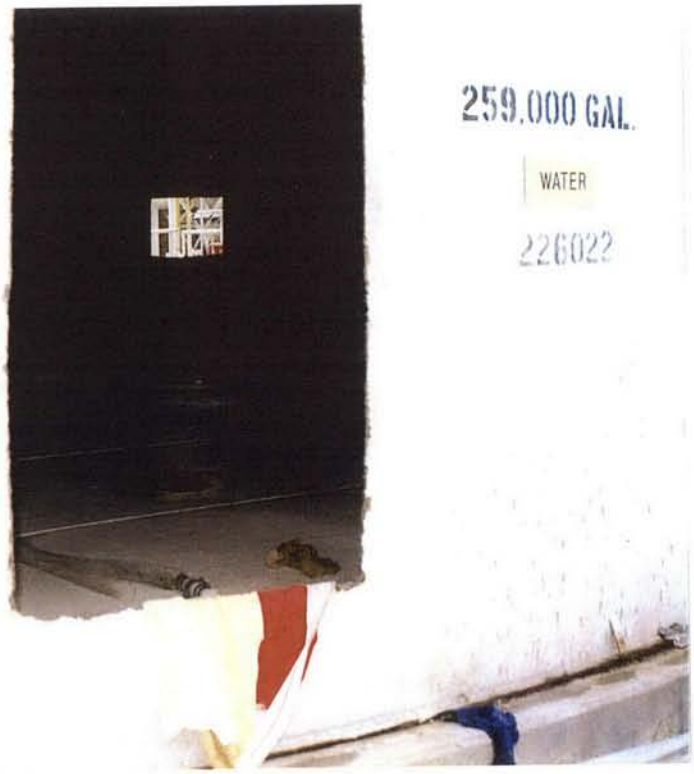
Photograph No. 15. Concrete perimeter wall repair/crack sealing in progress, view facing north from southeast corner of East Lagoon. Photograph taken by K. Brandner, August 3, 2004.

Photograph No. 16. South (foreground – white tank) and North (background – black tank) Demin Tanks, view facing northwest. Photograph taken by A. Garcia, June 9, 2004.

Photograph No. 17. Sediment in bottom of South Demin Tank. Photograph taken by A. Garcia, June 10, 2004.

Photograph No. 18. Sediment removal from South Demin Tank, view facing northwest.
Photograph taken by J. Clements, June 14, 2004.

Photograph No. 19. Sediment dewatering in roll-off boxes, view facing north.
Photograph taken by J. Clements, June 15, 2004.



Photograph No. 20. South Demin Tank following sediment removal. Photograph taken by J. Clements, June 16, 2004.

APPENDIX G

ARCADIS

Appendix G

Manifests for West Lagoon Sediment

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

WO#5148 ~~2827~~ Truck 2840

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 Manifest Document No. 3

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE / TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: Richard MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number 0250223

B. State Generator's ID 3008

5. Transporter 1 Company Name ONYX

6. US EPA ID Number TXR000025791

C. State Transporter's ID 25791

D. Transporter's Phone 713 923 3370

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3½ miles PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 2395

H. Facility's Phone 361 387 8518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE solids, NOS, 9, NA3077, PG III (SEE ATTACHED FOR EPA Cds)	001	CM	18920 24800	pp P	D002 D008
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

IN CASE OF EMERGENCY CONTACT: 361. 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Month Day Year: 1/12/03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Ricardo Ybarra — Signature: Ricardo Ybarra — Month Day Year: 1/12/03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
10 >10%
WT DISCREPT
per phone copy 1/12/03 sd

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. — Date

Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 1/12/03

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 4850

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 61410

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961410

B. State Generator's ID: 30003

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES

6. US EPA ID Number: TXD987983715

C. State Transporter's ID: 41981

D. Transporter's Phone: (800) 336-0909

7. Transporter 2 Company Name: Absolute Industries

8. US EPA ID Number: TXR000029728

E. State Transporter's ID: 85869

F. Transporter's Phone: 361.387.7717

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18040	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT: 21580 #

K. Handling Codes for Wastes Listed Above
M111 / M132
STABILIZATION

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300
BOL# PSYD80118

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Month Day Year: 11 10 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: EDWARD B. BAILEY — Signature: Edward B. Bailey — Month Day Year: 11 10 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DEN. — Signature: Sandra Den. — Date: Month Day Year: 11 10 03

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4951

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 6141

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES
6. US EPA ID Number: TXD987983715

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	22,340	P	[illegible]
	b.					
	c.					
	d.					

[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE Lopez — Signature: Jesse Lopez — Month Day Year: 11 13 03

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Perry Taylor — Signature: [signature] — Month Day Year: 11 13 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: Jill Albert — Signature: Jill Albert — Month Day Year: 11 13 03

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 08/01/02)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4952

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 67472

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV SERVICES~~ — 6. US EPA ID Number: ~~TXD987983715~~

7. Transporter 2 Company Name: ABSOLUTE INDUSTRIES — 8. US EPA ID Number: TXR000029728

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	23,720	P
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Month Day Year: 1.11.03

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Rodolfo Chapa Jr — Signature: Rodolfo Chapa Jr — Date: 1.11.03

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name: — Signature: — Date:

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. — Printed/Typed Name: Jill Albert — Signature: Jill Albert — Date: 1.11.03

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TCEQ 0311 (Rev. 09/01/00)

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#4943

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 61413

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961413
B. State Generator's ID: 30003
C. State Transporter's ID: 41081
D. Transporter's Phone: (800) 336-0909
E. State Transporter's ID: 85869
F. Transporter's Phone: 361 387-7747
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~
6. US EPA ID Number: ~~TXD987983715~~

7. Transporter 2 Company Name: Absolute Industries
8. US EPA ID Number: TXR000029728

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16,820	P	[illegible]
	b.					
	c.					
	d.					

[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE LOPEZ — Signature: [signature] — Month Day Year: 11 13 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rodolfo Chavera Jr — Signature: [signature] — Date: 11 13 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Date: Month Day Year: 11 13 03

GENERATOR — TRANSPORTER — FACILITY

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4942

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 6714

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961414
B. State Generator's ID: 30003
C. State Transporter's ID: 41981
D. Transporter's Phone: (800) 336-0909
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES
6. US EPA ID Number: TXD987983715

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	27,860	P	F-0021302H
	b.					
	c.					
	d.					

Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL TECO W/S# [illegible] TECO W/S# [illegible]

Handling Codes for Wastes Listed Above: 13

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE Lopez — Signature: [signature] — Month Day Year: 11 13 03

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Perry Taylor — Signature: [signature] — Month Day Year: 11 13 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
OK per Jesse Lopez 11-13-03 JS

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18. — Date

Printed/Typed Name: Jill Albert — Signature: [signature] — Month Day Year: 11 13 03

White - original Pink - TSD Facility Yellow - Transporter Green - Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WA# 5045

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 67975

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961415
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~ 60
6. US EPA ID Number: ~~TXD987983715~~ 60
C. State Transporter's ID: 60
D. Transporter's Phone: 60 (000) 136-0000

7. Transporter 2 Company Name: Absolute Industries
8. US EPA ID Number: TXR000029728
E. State Transporter's ID: 5565
F. Transporter's Phone: 361 387 7747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	24,020	P	D021 D002 H141
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL
K. Handling Codes for Wastes Listed Above: 1. 04111 2. 04111

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE Lopez
Signature: Jesse Lopez
Month Day Year: 11 19 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry G
Signature: Jerry G
Date: Month Day Year 11/19/03

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jill Albert
Signature: Jill Albert
Date: Month Day Year 11 19 03

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 5044

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 67476

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961416

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~

6. US EPA ID Number: ~~TXD987983715~~

C. State Transporter's ID: ~~41981~~

D. Transporter's Phone: ~~(800) 336-0909~~

7. Transporter 2 Company Name: Absolute Industries

8. US EPA ID Number: TX R000029728

E. State Transporter's ID: 85869

F. Transporter's Phone: 361 387-7747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~13,860~~ 18260	P sol	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL TECO W/S# 09-004-3340 TECO WT

K. Handling Codes for Wastes Listed Above: [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE LOPEZ
Signature: Jesse Lopez
Month Day Year: 11 19 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD B. BAILEY
Signature: Edward B. Bailey
Date: Month Day Year: 11 19 03

19. Discrepancy Indication Space
ION 13 > 10% WE... per Jesse Lopez 11/19/03

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jill Albert
Signature: Jill Albert
Date: Month Day Year: 11 19 03

GENERATOR

TRANSPORTER

FACILITY

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#5054

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 67477

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961417

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~

6. US EPA ID Number: ~~TXD987983715~~

C. State Transporter's ID:

D. Transporter's Phone:

7. Transporter 2 Company Name: Absolute Industries

8. US EPA ID Number: TXR000029728

E. State Transporter's ID: 5269

F. Transporter's Phone: 361 387 7747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3318

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	27,000	P	D021,D026,D038
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL — EPA WASTE CODES: D021 W/SAN'S 0.5 ppm, D026 W/ 2X TCLP, D038 W/ 2X TCLP

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Date: Month 1 Day 1 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY DIAZ — Signature: Jerry D — Date: Month 1 Day 1 Year 03

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Date: Month 1 Day 1 Year 03

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#5055

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 2 7 7 7 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number 029814185
B. State Generator's ID 30003
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone (361) 387-7747
G. State Facility's ID 30052
H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name
~~EAGLE CONSTRUCTION & ENV. SERVICES~~ 02

6. US EPA ID Number
~~TXD987983715~~ 50

7. Transporter 2 Company Name
ABSOLUTE INDUSTRIES

8. US EPA ID Number
TXR000029728

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number
TXD069452340

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	24,070	P	D001,D002,D003,D004,D005,D006,D007,D008,D009,D010,D011
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON SLUDGE MANDUE MATERIAL
EPCO [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: JESSE LOPEZ
Signature: Jesse Lopez
Month Day Year: 1 1 1 9 0 3

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:
Date

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD B. BAILEY
Signature: Edward B. Bailey
Month Day Year: 1 1 1 9 0 3
Date

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Date
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Month Day Year: 1 1 1 9 0 3

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#5068

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961419
B. State Generator's ID: 30003
C. State Transporter's ID: [illegible]
D. Transporter's Phone: (800) 336-0900
E. State Transporter's ID: 85567
F. Transporter's Phone: 361 387-7747
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~ GO
6. GO US EPA ID Number: ~~TXD987983715~~

7. Transporter 2 Company Name: Absolute Industries
8. US EPA ID Number: TXR000029728

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
X	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	25,860	P	[illegible]
	b.					
	c.					
	d.					

[illegible] LAGOON CLEANOUT MATERIAL [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE Lopez | Signature: [signature] | Month 11 Day 20 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: JERRY DIAZ | Signature: [signature] | Month 11 Day 20 Year 03

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: [signature] | Month 11 Day 20 Year 03

GENERATOR / TRANSPORTER / FACILITY

TCEQ 0311 (Rev. 08/01/03) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#5072

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Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 27920

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 029614 20
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~ — 6. US EPA ID Number: ~~TXD987983715~~
C. State Transporter's ID: ~~41203~~
D. Transporter's Phone: ~~(210) 226-0000~~

7. Transporter 2 Company Name: ABSOLUTE INDUSTRIES — 8. US EPA ID Number: TXR000029728
E. State Transporter's ID: 58869
F. Transporter's Phone: 5813877747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~13580~~ 7980	P sd	D021,D02H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above — K. Handling Codes for Wastes Listed Above
LAGOON CLEANOUT MATERIAL
FOR WS#0 [illegible] SITE ID

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: TESSE Lopez — Signature: Tesse Lopez — Month Day Year: 1 1 20 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Edward B. Bailey — Signature — Month Day Year: 1 1 20 03

FACILITY

19. Discrepancy Indication Space
TICN 13 > 10% WE[illegible]
VOLUME DISCREP[illegible]
per Jesse Lopez 1/20/03 sd

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA Day — Signature — Month Day Year: 1 20 03

TCEQ 0311 (Rev. 08/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#5147

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 29424

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 02961424
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~
6. US EPA ID Number: ~~TXD987983715~~
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name: ONYX
8. US EPA ID Number: TXR000025791
E. State Transporter's ID: 25791
F. Transporter's Phone: 972 242 3370

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: 361 387 3518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~17480~~ 12960	P	D021,D028
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WSR 02-04-3148

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: JESSE LOPEZ
Signature: Jesse Lopez
Month Day Year: 11 25 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:
Date:

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: RICARDO DIAZ
Signature:
Month Day Year: 11 25 03

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT VOLUME DISCREPANCY
per Jesse Lopez 11/25/03

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Month Day Year: 11 25 03
Date:

TCEQ-0311 (Rev. 09/01/02)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 17185

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 2994895

B. State Generator's ID: 30003

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES

6. US EPA ID Number: TXD987983715

C. State Transporter's ID: 41981

D. Transporter's Phone: (800) 336-0909

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	26,730	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT. 243404

K. Handling Codes for Wastes Listed Above
M111/M132
STABILIZATION

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Month 11 Day 06 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: GARY MAYO — Signature: Gary Mayo — Month 11 Day 06 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Date: Month 11 Day 06 Year 03

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4856

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 7489.6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 2994896

B. State Generator's ID: 30003

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES

6. US EPA ID Number: TXD987983715

C. State Transporter's ID: 41981

D. Transporter's Phone: (800) 336-0909

7. Transporter 2 Company Name: Absolute Industries

8. US EPA ID Number: TXR000029728

E. State Transporter's ID: 85869

F. Transporter's Phone: 361.387.7747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20,500	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT. 23360 #

K. Handling Codes for Wastes Listed Above
M111/M132
STABILIZATION

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JESSE LOPEZ — Signature: Jesse Lopez — Month Day Year: 11 10 03

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Leo Rendon — Signature: Leo Rendon — Month Day Year: 11 10 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Sandra Dom — Signature: [signature] — Month Day Year: 11 10 03

GENERATOR — TRANSPORTER — FACILITY

NOV-10-2003 18:13 FROM- T-648 P.023/049 F-860

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 4836

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 117185

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ENCYCLE/TEXAS, 5500 UP RIVER ROAD, CORPUS CHRISTI, TEXAS 78407, ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 2994897

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ~~EAGLE CONSTRUCTION & ENV. SERVICES~~

6. US EPA ID Number: ~~TXD987983715~~

C. State Transporter's ID: ~~41981~~

D. Transporter's Phone: (800) 336-0909

7. Transporter 2 Company Name: ENV. EVOL HOLDINGS.

8. US EPA ID Number: TXR000029728

E. State Transporter's ID: 85869

F. Transporter's Phone: 3613877747

9. Designated Facility Name and Site Address: US ECOLOGY TEXAS, 3 1/2 MILE S. PETRONILA ROAD, ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	22,820	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL, TECO W/S# 09-004-8340, TECO WT. 22480#

K. Handling Codes for Wastes Listed Above: 132 Stabilized

15. Special Handling Instructions and Additional Information: IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard Nelson — Signature: [signature] — Month Day Year: 11 07 03

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Mario Renaón Ramirez Ruiz — Signature: [signature] — Month Day Year: 11 07 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Jill Albert — Signature: Jill Albert — Month Day Year: 11 07 03

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4833

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 17185

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 2994898

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ENV. EVOL. HOLD ~~EAGLE CONSTRUCTION & ENV. SERVICES~~

6. US EPA ID Number: ~~TXD987983715~~

C. State Transporter's ID: 85869 ~~41981~~

D. Transporter's Phone: (800) 336-0909

7. Transporter 2 Company Name: TRANSP. 1 ENV. EVOL. HOLD.

8. US EPA ID Number: TXR000029728

E. State Transporter's ID:

F. Transporter's Phone: 361 387 7747

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~17650~~ 16,710	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT. 17620#

K. Handling Codes for Wastes Listed Above
132 ~~STABILIZATION~~ CPW

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: Richard Nelson — Signature: [signature] — Month Day Year: 11 07 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Mario Rendon — Signature: [signature] — Month Day Year: 11 07 03

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Jill Albert — Signature: [signature] — Month Day Year: 11 07 03

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#4803

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 99900 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number 2994900
B. State Generator's ID 30003
C. State Transporter's ID 41981
D. Transporter's Phone (800) 336-0909
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID 50052
H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name: EAGLE CONSTRUCTION & ENV. SERVICES
6. US EPA ID Number: TXD987983715
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	29,360	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WI. 26440#

K. Handling Codes for Wastes Listed Above
M111/M132
STABILIZATION

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-0300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR
Printed/Typed Name: JESSE LOPEZ | Signature: Jesse Lopez | Month Day Year: 11 06 03

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: GARY MAYO | Signature: Gary Mayo | Month Day Year: 11 6 03
18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month Day Year 11 06 03

APPENDIX H

ARCADIS

Appendix H

Laboratory Report – West Lagoon
HDPE Liner Rinseate Sample

ASARCO

November 21, 2003

Mr. Ken Brandner
ARCADIS GERAGHTY & MILLER, Inc.
711 North Carancahua, Suite 1700
Corpus Christi, Texas 78475-1801

Please find attached the analytical results and quality control data for the two water samples collected November 14, 2003 for Encycle/Texas Project. The laboratory received the samples on November 18, 2003.

The test results meet the requirements of the National Environmental Laboratory Accreditation Conference, in accordance with Chapter 5 of the 1999 NELAC Standard. Samples for method 6020 were digested in accordance with EPA 6020M. Digestion Method 6020M is not NELAC certified.

If you have any questions, I can be reached at 801-262-2459 ext. 21.

Sincerely,

Bilquis Dhedhy
Chemist

cc: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030630

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030630-001	14-NOV-03	18:15 WEST LAGOON RINSE	AG	<0.005	ppm	MK	20-NOV-03	6010B
			AS	0.017	ppm	MK	20-NOV-03	6020
			BA	0.14	ppm	MK	20-NOV-03	6010B
			CD	0.060	ppm	MK	20-NOV-03	6020
			CR	0.023	ppm	MK	20-NOV-03	6010B
			HG	1.8	ppb	EH	21-NOV-03	245.1
			PB	0.41	ppm	MK	20-NOV-03	6020
			SE	<0.005	ppm	MK	20-NOV-03	6020
L030630-002	14-NOV-03	18:30 FIELD BLANK	AG	<0.005	ppm	MK	20-NOV-03	6010B
			AS	<0.005	ppm	MK	20-NOV-03	6020
			BA	<0.010	ppm	MK	20-NOV-03	6010B
			CD	<0.005	ppm	MK	20-NOV-03	6020
			CR	<0.010	ppm	MK	20-NOV-03	6010B
			HG	<0.50	ppb	EH	21-NOV-03	245.1
			PB	<0.003	ppm	MK	20-NOV-03	6020
			SE	<0.005	ppm	MK	20-NOV-03	6020

Digestion Methods for totals - 3010 and 6020M.
Digestion conducted on Nov 19, 2003

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030572

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030572-1		QC Matrix Spike	AG	103	%Recovery	MK	20-NOV-03	6010B
			AS	112	%Recovery	MK	20-NOV-03	6020
			BA	101	%Recovery	MK	20-NOV-03	6010B
			CD	101	%Recovery	MK	20-NOV-03	6020
			CR	103	%Recovery	MK	20-NOV-03	6010B
			HG	94	%Recovery	EH	21-NOV-03	245.1
			PB	102	%Recovery	MK	20-NOV-03	6020
			SE	104	%Recovery	MK	20-NOV-03	6020
WG030572-2		QC Prep Blank	AG	<0.005	ppm	MK	20-NOV-03	6010B
			AS	<0.005	ppm	MK	20-NOV-03	6020
			BA	<0.010	ppm	MK	20-NOV-03	6010B
			CD	<0.005	ppm	MK	20-NOV-03	6020
			CR	<0.010	ppm	MK	20-NOV-03	6010B
			HG	<0.50	ppb	EH	21-NOV-03	245.1
			PB	<0.003	ppm	MK	20-NOV-03	6020
			SE	<0.005	ppm	MK	20-NOV-03	6020
WG030572-3		QC Lab Control Sample	AG	101	%Recovery	MK	20-NOV-03	6010B
			AS	115	%Recovery	MK	20-NOV-03	6020
			BA	100	%Recovery	MK	20-NOV-03	6010B
			CD	101	%Recovery	MK	20-NOV-03	6020
			CR	102	%Recovery	MK	20-NOV-03	6010B
			HG	95	%Recovery	EH	21-NOV-03	245.1
			PB	101	%Recovery	MK	20-NOV-03	6020
			SE	107	%Recovery	MK	20-NOV-03	6020
WG030572-4		QC Matrix Spike Duplicate	AG	<1	% RPD	MK	20-NOV-03	6010B
			AS	<1	% RPD	MK	20-NOV-03	6020
			BA	<1	% RPD	MK	20-NOV-03	6010B
			CD	<1	% RPD	MK	20-NOV-03	6020
			CR	1.9	% RPD	MK	20-NOV-03	6010B
			HG	2.1	% RPD	EH	21-NOV-03	245.1
			PB	1.5	% RPD	MK	20-NOV-03	6020
			SE	<1	% RPD	MK	20-NOV-03	6020
WG030572-5		QC Reporting Limit	AG	0.005	ppm			6010B
			AS	0.005	ppm			6020
			BA	0.010	ppm	MK	20-NOV-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030572

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030572-5		QC Reporting Limit	CD	0.005	ppm			6020
			CR	0.010	ppm			6010B
			HG	0.50	ppb			245.1
			PB	0.003	ppm			6020
			SE	0.005	ppm			6020

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO, Salt Lake City

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag						Remarks	Total
West Lagoon Rinse	L	11-14-2003 18:15		1							1
Field Blank	L	11-14-2003 18:30		1							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 2

Relinquished by: [signature]	Organization: ARCADIS	Date 11/17/2003	Time 17:23	Seal Intact?
Received by: 15230	Organization: FEDEX	Date 11/17/2003	Time 17:23	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by: Mottley	Organization: ASARCO TSC	Date 11/18/03	Time 11:15	Yes No N/A

Special Instructions/Remarks: Samples shipped in cooler with ice. Rush-need 2 day turnaround time

Delivery Method: ☐ In Person ☒ Common Carrier Fedex/Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

APPENDIX B

ARCADIS

Appendix I

Laboratory Report – West Lagoon Soil Samples Below HDPE Liner Tears

ASARCO

RECEIVED
DEC 17 2003
BY:

December 9, 2003

Mr. Ken Brandner
Arcadis Geraghty & Miller

Attached are the analytical results and quality control data for three (3) sediment samples collected on 11/13/03 and 11/14/03, in association with the Asarco Encycle RFI project and received by the laboratory on 11/18/03.

Oven dried, sieved, and ground sediment samples were digested on 12/01/03 in accordance with EPA Method 3050 for ICP or ICP-MS analysis. A soil portion was digested on 11/21/03 and analyzed for Hg per Method 7471A. Metals are reported on a dry weight basis with the exception of Hg which is reported on an as received basis.

The analytical results meet the requirements of the National Environmental Laboratory Accreditation Conference in accordance with Chapter 5 of the 1999 NELAC Standard with the following exceptions; gravimetric analysis for moisture and digestion method 6020M.

If you need further information, please call me at (801) 262-2459, Extension 19.

Sincerely,

T.J. Jacobi
Sr. Chemist

cc: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030633

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030633-001	13-NOV-03 15:00	W LAGOON TEAR 1	AG	<2	ppm	TJJ	02-DEC-03	6010B
			AS	14	ppm	TJJ	02-DEC-03	6010B
			BA	896	ppm	TJJ	02-DEC-03	6010B
			BI	<6	ppm	TJJ	02-DEC-03	6010B
			CD	66	ppm	TJJ	02-DEC-03	6010B
			CN-	0.1	ppm	VPK	25-NOV-03	335.2
			CO	27	ppm	TJJ	02-DEC-03	6010B
			CR	17	ppm	TJJ	02-DEC-03	6010B
			CU	205	ppm	TJJ	02-DEC-03	6010B
			HG	2.5	ppm	TJJ	21-NOV-03	7471
			MN	351	ppm	TJJ	02-DEC-03	6010B
			MOIST.	19.7	%	TJJ	01-DEC-03	GRAV.
			NI	20	ppm	TJJ	02-DEC-03	6010B
			PB	211	ppm	TJJ	02-DEC-03	6010B
			SB	<5	ppm	TJJ	02-DEC-03	6010B
			SE	<5	ppm	TJJ	02-DEC-03	6010B
			SN	8	ppm	TJJ	02-DEC-03	6020
			TL	<5	ppm	TJJ	02-DEC-03	6010B
			V	27	ppm	TJJ	02-DEC-03	6010B
			ZN	2890	ppm	TJJ	05-DEC-03	6010B
L030633-002	13-NOV-03 16:10	W LAGOON TEAR 2	AG	<2	ppm	TJJ	02-DEC-03	6010B
			AS	20	ppm	TJJ	02-DEC-03	6010B
			BA	208	ppm	TJJ	02-DEC-03	6010B
			BI	<6	ppm	TJJ	02-DEC-03	6010B
			CD	70	ppm	TJJ	02-DEC-03	6010B
			CN-	<0.1	ppm	VPK	25-NOV-03	335.2
			CO	8	ppm	TJJ	02-DEC-03	6010B
			CR	18	ppm	TJJ	02-DEC-03	6010B
			CU	104	ppm	TJJ	02-DEC-03	6010B
			HG	<0.5	ppm	TJJ	21-NOV-03	7471
			MN	541	ppm	TJJ	02-DEC-03	6010B
			MOIST.	19.4	%	TJJ	01-DEC-03	GRAV.
			NI	12	ppm	TJJ	02-DEC-03	6010B
			PB	182	ppm	TJJ	02-DEC-03	6010B
			SB	<5	ppm	TJJ	02-DEC-03	6010B
			SE	<5	ppm	TJJ	02-DEC-03	6010B
			SN	13	ppm	TJJ	02-DEC-03	6020
			TL	<5	ppm	TJJ	02-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030633

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030633-002	13-NOV-03	16:10 W LAGOON TEAR 2	V	32	ppm	TJJ	02-DEC-03	6010B
			ZN	8030	ppm	TJJ	05-DEC-03	6010B
L030633-003	14-NOV-03	10:00 W LAGOON TEAR 3	AG	<2	ppm	TJJ	02-DEC-03	6010B
			AS	10	ppm	TJJ	02-DEC-03	6010B
			BA	156	ppm	TJJ	02-DEC-03	6010B
			BI	<6	ppm	TJJ	02-DEC-03	6010B
			CD	36	ppm	TJJ	02-DEC-03	6010B
			CN-	<0.1	ppm	VPK	25-NOV-03	335.2
			CO	27	ppm	TJJ	02-DEC-03	6010B
			CR	18	ppm	TJJ	02-DEC-03	6010B
			CU	78	ppm	TJJ	02-DEC-03	6010B
			HG	0.9	ppm	TJJ	21-NOV-03	7471
			MN	276	ppm	TJJ	02-DEC-03	6010B
			MOIST.	23.6	%	TJJ	01-DEC-03	GRAV.
			NI	21	ppm	TJJ	02-DEC-03	6010B
			PB	192	ppm	TJJ	02-DEC-03	6010B
			SB	<5	ppm	TJJ	02-DEC-03	6010B
			SE	<5	ppm	TJJ	02-DEC-03	6010B
			SN	9	ppm	TJJ	02-DEC-03	6020
			TL	<5	ppm	TJJ	02-DEC-03	6010B
			V	22	ppm	TJJ	02-DEC-03	6010B
			ZN	2450	ppm	TJJ	05-DEC-03	6010B

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030584

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030584-1		QC Matrix Spike	AG	107	%Recovery	TJJ	02-DEC-03	6010B
			AS	96	%Recovery	TJJ	02-DEC-03	6010B
			BA	99	%Recovery	TJJ	02-DEC-03	6010B
			BI	102	%Recovery	TJJ	02-DEC-03	6010B
			CD	99	%Recovery	TJJ	02-DEC-03	6010B
			CN-	95	%Recovery	VPK	25-NOV-03	335.2
			CO	97	%Recovery	TJJ	02-DEC-03	6010B
			CR	104	%Recovery	TJJ	02-DEC-03	6010B
			CU	105	%Recovery	TJJ	02-DEC-03	6010B
			HG	102	%Recovery	TJJ	08-DEC-03	7471
			MN	100	%Recovery	TJJ	02-DEC-03	6010B
			NI	98	%Recovery	TJJ	02-DEC-03	6010B
			PB	87	%Recovery	TJJ	02-DEC-03	6010B
			SB	64	%Recovery	TJJ	02-DEC-03	6010B
			SE	78	%Recovery	TJJ	02-DEC-03	6010B
			SN	111	%Recovery	TJJ	02-DEC-03	6020
			TL	87	%Recovery	TJJ	02-DEC-03	6010B
			V	106	%Recovery	TJJ	02-DEC-03	6010B
			ZN	107	%Recovery	TJJ	05-DEC-03	6010B
WG030584-2		QC Prep Blank	AG	<2	ppm	TJJ	02-DEC-03	6010B
			AS	<5	ppm	TJJ	02-DEC-03	6010B
			BA	<5	ppm	TJJ	02-DEC-03	6010B
			BI	<6	ppm	TJJ	02-DEC-03	6010B
			CD	<1	ppm	TJJ	02-DEC-03	6010B
			CN-	<0.1	ppm	VPK	25-NOV-03	335.2
			CO	<5	ppm	TJJ	02-DEC-03	6010B
			CR	<5	ppm	TJJ	02-DEC-03	6010B
			CU	<5	ppm	TJJ	02-DEC-03	6010B
			HG	<0.5	ppm	TJJ	21-NOV-03	7471
			MN	<5	ppm	TJJ	02-DEC-03	6010B
			NI	<5	ppm	TJJ	02-DEC-03	6010B
			PB	<5	ppm	TJJ	02-DEC-03	6010B
			SB	<5	ppm	TJJ	02-DEC-03	6010B
			SE	<5	ppm	TJJ	02-DEC-03	6010B
			SN	<5	ppm	TJJ	02-DEC-03	6020
			TL	<5	ppm	TJJ	02-DEC-03	6010B
			V	<5	ppm	TJJ	02-DEC-03	6010B
			ZN	<5	ppm	TJJ	05-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030584

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030584-3		QC Lab Control Sample	AG	115	%Recovery	TJJ	02-DEC-03	6010B
			AS	103	%Recovery	TJJ	02-DEC-03	6010B
			BA	108	%Recovery	TJJ	02-DEC-03	6010B
			BI	101	%Recovery	TJJ	02-DEC-03	6010B
			CD	105	%Recovery	TJJ	02-DEC-03	6010B
			CN-	113	%Recovery	VPK	25-NOV-03	335.2
			CO	107	%Recovery	TJJ	02-DEC-03	6010B
			CR	106	%Recovery	TJJ	02-DEC-03	6010B
			CU	107	%Recovery	TJJ	02-DEC-03	6010B
			HG	107	%Recovery	TJJ	21-NOV-03	7471
			MN	108	%Recovery	TJJ	02-DEC-03	6010B
			NI	105	%Recovery	TJJ	02-DEC-03	6010B
			PB	113	%Recovery	TJJ	02-DEC-03	6010B
			SB	96	%Recovery	TJJ	02-DEC-03	6010B
			SE	87	%Recovery	TJJ	02-DEC-03	6010B
			SN	115	%Recovery	TJJ	02-DEC-03	6020
			TL	100	%Recovery	TJJ	02-DEC-03	6010B
			V	109	%Recovery	TJJ	02-DEC-03	6010B
			ZN	103	%Recovery	TJJ	05-DEC-03	6010B
WG030584-4		QC Duplicate	CN-	<0.1	% RPD	VPK	25-NOV-03	335.2
			MOIST.	5.0	% RPD	TJJ	01-DEC-03	GRAV.
WG030584-5		QC Matrix Spike Duplicate	AG	1.3	% RPD	TJJ	02-DEC-03	6010B
			AS	1.3	% RPD	TJJ	02-DEC-03	6010B
			BA	0.1	% RPD	TJJ	02-DEC-03	6010B
			BI	10.8	% RPD	TJJ	02-DEC-03	6010B
			CD	1.6	% RPD	TJJ	02-DEC-03	6010B
			CO	0.4	% RPD	TJJ	02-DEC-03	6010B
			CR	1.0	% RPD	TJJ	02-DEC-03	6010B
			CU	9.3	% RPD	TJJ	02-DEC-03	6010B
			HG	20.6	% RPD	TJJ	08-DEC-03	7471
			MN	10.4	% RPD	TJJ	02-DEC-03	6010B
			NI	0.1	% RPD	TJJ	02-DEC-03	6010B
			PB	0.5	% RPD	TJJ	02-DEC-03	6010B
			SB	0.8	% RPD	TJJ	02-DEC-03	6010B
			SE	3.0	% RPD	TJJ	02-DEC-03	6010B
			SN	6.2	% RPD	TJJ	02-DEC-03	6020
			TL	4.8	% RPD	TJJ	02-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030584

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030584-5		QC Matrix Spike Duplicate	V	2.3	% RPD	TJJ	02-DEC-03	6010B
			ZN	2.8	% RPD	TJJ	05-DEC-03	6010B
WG030584-6		QC Reporting Limit	AG	2	ppm			6010B
			AS	5	ppm			6010B
			BA	5	ppm			6010B
			BI	6	ppm			6010B
			CD	1	ppm			6010B
			CN-	0.1	ppm			335.2
			CO	5	ppm			6010B
			CR	5	ppm			6010B
			CU	5	ppm			6010B
			HG	0.5	ppm			7471
			MN	5	ppm			6010B
			NI	5	ppm			6010B
			PB	5	ppm			6010B
			SB	5	ppm			6010B
			SE	5	ppm			6010B
			SN	5	ppm			6020
			TL	5	ppm			6010B
			V	5	ppm			6010B
			ZN	5	ppm			6010B

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

A..CADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO lab, Salt Lake City

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (16 oz glass w/teflon lined lid)						Remarks	Total
W Lagoon Tear 1	S	11/13/03 15:40		1							1
W Lagoon Tear 2	S	11/13/03 16:10		1							1
W Lagoon Tear 3	S	11-14-03 10:00		1							

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: [signature]	Organization: ARCADIS	Date 11/17/2003	Time 17:23	Seal Intact?
Received by: 15230	Organization: FEDEX	Date 11/17/2003	Time 17:23	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by: Mottley	Organization: ASARCO TSC	Date 11/18/03	Time 11:15	Yes No N/A

Special Instructions/Remarks: Samples shipped in cooler with ice - normal turnaround. Results to Ken Brandner of ARCADIS

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/03

APPENDIX J

ARCADIS

Appendix J

Laboratory Report – East Lagoon Sediment Samples

ASARCO

November 19, 2001

NOV 26 2001

Mr. Ken Brandner
Arcadis, Geraghty & Miller

Please find attached the results of TCLP analyses for the East Lagoon samples collected November 05, 2001, and received by the laboratory on November 06, 2001.

Note that TCLP (Toxic Characteristic Leaching Procedure) analysis was conducted according to EPA method 1311 and the extract digested according to EPA method 3010 prior to analysis by ICP-OES.

If you have any questions regarding the handling or analysis of the samples, please call me (801) 263-5296

Sincerely,

Maureen Ottley

Maureen Ottley
Laboratory Technician

Attach.

cc: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011512

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011512-001	05-NOV-01	EAST LAGOON COMP A TCLP	AG	<0.05	ppm	ESH	13-NOV-01	6010
			AS	<0.10	ppm	ESH	13-NOV-01	6010
			BA	0.83	ppm	ESH	13-NOV-01	6010
			CD	6.3	ppm	ESH	13-NOV-01	6010
			CR	<0.10	ppm	ESH	13-NOV-01	6010
			HG	<0.50	ppb	MO	13-NOV-01	7470
			NI	0.80	ppm	ESH	13-NOV-01	6010
			PB	2.9	ppm	ESH	13-NOV-01	6010
			PH	7.6	pH	MO	08-NOV-01	150.1
			SB	<0.10	ppm	ESH	13-NOV-01	6010
			SE	<0.10	ppm	ESH	13-NOV-01	6010
			TL	<0.10	ppm	ESH	13-NOV-01	6010
			V	<0.10	ppm	ESH	13-NOV-01	6010
			ZN	73	ppm	ESH	13-NOV-01	6010
L011512-002	05-NOV-01	EAST LAGOON COMP B TCLP	AG	<0.05	ppm	ESH	13-NOV-01	6010
			AS	<0.10	ppm	ESH	13-NOV-01	6010
			BA	1.4	ppm	ESH	13-NOV-01	6010
			CD	5.3	ppm	ESH	13-NOV-01	6010
			CR	<0.10	ppm	ESH	13-NOV-01	6010
			HG	<0.50	ppb	MO	13-NOV-01	7470
			NI	1.0	ppm	ESH	13-NOV-01	6010
			PB	2.9	ppm	ESH	13-NOV-01	6010
			PH	8.5	pH	MO	08-NOV-01	150.1
			SB	<0.10	ppm	ESH	13-NOV-01	6010
			SE	<0.10	ppm	ESH	13-NOV-01	6010
			TL	0.10	ppm	ESH	13-NOV-01	6010
			V	<0.10	ppm	ESH	13-NOV-01	6010
			ZN	74	ppm	ESH	13-NOV-01	6010
L011512-003	05-NOV-01	E. LAGOON COMP B-DUP TCLP	AG	<0.05	ppm	ESH	13-NOV-01	6010
			AS	<0.10	ppm	ESH	13-NOV-01	6010
			BA	1.3	ppm	ESH	13-NOV-01	6010
			CD	5.3	ppm	ESH	13-NOV-01	6010
			CR	<0.10	ppm	ESH	13-NOV-01	6010
			HG	<0.50	ppb	MO	13-NOV-01	7470
			NI	1.0	ppm	ESH	13-NOV-01	6010
			PB	3.0	ppm	ESH	13-NOV-01	6010
			PH	8.3	pH	MO	08-NOV-01	150.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011512

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011512-003	05-NOV-01	E. LAGOON COMP B-DUP TCLP	SB	<0.10	ppm	ESH	13-NOV-01	6010
			SE	<0.10	ppm	ESH	13-NOV-01	6010
			TL	<0.10	ppm	ESH	13-NOV-01	6010
			V	<0.10	ppm	ESH	13-NOV-01	6010
			ZN	75	ppm	ESH	13-NOV-01	6010

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011099

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011099-1		Matrix Spike	AG	109	%Recovery	ESH	13-NOV-01	6010
			AS	95	%Recovery	ESH	13-NOV-01	6010
			BA	94	%Recovery	ESH	13-NOV-01	6010
			CD	96	%Recovery	ESH	13-NOV-01	6010
			CR	97	%Recovery	ESH	13-NOV-01	6010
			HG	99	%Recovery	MO	13-NOV-01	7470
			NI	96	%Recovery	ESH	13-NOV-01	6010
			PB	100	%Recovery	ESH	13-NOV-01	6010
			SB	93	%Recovery	ESH	13-NOV-01	6010
			SE	84	%Recovery	ESH	13-NOV-01	6010
			TL	88	%Recovery	ESH	13-NOV-01	6010
			V	102	%Recovery	ESH	13-NOV-01	6010
			ZN	SR>4SA	%Recovery	ESH	13-NOV-01	6010
WG011099-2		Prep Blank	AG	<0.05	ppm	ESH	13-NOV-01	6010
			AS	<0.10	ppm	ESH	13-NOV-01	6010
			BA	<0.10	ppm	ESH	13-NOV-01	6010
			CD	<0.05	ppm	ESH	13-NOV-01	6010
			CR	<0.10	ppm	ESH	13-NOV-01	6010
			HG	<0.50	ppb	MO	13-NOV-01	7470
			NI	<0.10	ppm	ESH	13-NOV-01	6010
			PB	<0.10	ppm	ESH	13-NOV-01	6010
			SB	<0.10	ppm	ESH	13-NOV-01	6010
			SE	<0.10	ppm	ESH	13-NOV-01	6010
			TL	<0.10	ppm	ESH	13-NOV-01	6010
			V	<0.10	ppm	ESH	13-NOV-01	6010
			ZN	<0.10	ppm	ESH	13-NOV-01	6010
WG011099-3		Lab Control Sample	AG	97	%Recovery	ESH	13-NOV-01	6010
			AS	88	%Recovery	ESH	13-NOV-01	6010
			BA	94	%Recovery	ESH	13-NOV-01	6010
			CD	92	%Recovery	ESH	13-NOV-01	6010
			CR	95	%Recovery	ESH	13-NOV-01	6010
			HG	96	%Recovery	MO	13-NOV-01	7470
			NI	95	%Recovery	ESH	13-NOV-01	6010
			PB	96	%Recovery	ESH	13-NOV-01	6010
			SB	91	%Recovery	ESH	13-NOV-01	6010
			SE	77	%Recovery	ESH	13-NOV-01	6010
			TL	90	%Recovery	ESH	13-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011099

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011099-3		Lab Control Sample	V	97	%Recovery	ESH	13-NOV-01	6010
			ZN	93	%Recovery	ESH	13-NOV-01	6010
WG011099-5		Matrix Spike Duplicate	AG	3.5	% RPD	ESH	13-NOV-01	6010
			AS	4.3	% RPD	ESH	13-NOV-01	6010
			BA	2.1	% RPD	ESH	13-NOV-01	6010
			CD	4.1	% RPD	ESH	13-NOV-01	6010
			CR	4.9	% RPD	ESH	13-NOV-01	6010
			HG	4.1	% RPD	MO	13-NOV-01	7470
			NI	4.4	% RPD	ESH	13-NOV-01	6010
			PB	4.2	% RPD	ESH	13-NOV-01	6010
			SB	4.1	% RPD	ESH	13-NOV-01	6010
			SE	5.3	% RPD	ESH	13-NOV-01	6010
			TL	3.4	% RPD	ESH	13-NOV-01	6010
			V	3.7	% RPD	ESH	13-NOV-01	6010
			ZN	4.1	% RPD	ESH	13-NOV-01	6010
WG011099-6		Reporting Limit	AG	0.05	ppm	ESH	13-NOV-01	6010
			AS	0.10	ppm	ESH	13-NOV-01	6010
			BA	0.10	ppm	ESH	13-NOV-01	6010
			CD	0.05	ppm	ESH	13-NOV-01	6010
			CR	0.10	ppm	ESH	13-NOV-01	6010
			HG	0.50	ppb	MO	13-NOV-01	7470
			NI	0.10	ppm	ESH	13-NOV-01	6010
			PB	0.10	ppm	ESH	13-NOV-01	6010
			SB	0.10	ppm	ESH	13-NOV-01	6010
			SE	0.10	ppm	ESH	13-NOV-01	6010
			TL	0.10	ppm	ESH	13-NOV-01	6010
			V	0.10	ppm	ESH	13-NOV-01	6010
			ZN	0.10	ppm	ESH	13-NOV-01	6010

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name CC000643.0001

Project Location Corpus Christi, Texas

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Robert Reina / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Ti, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Ti, V, Zn (8 oz glass w/ Teflon-lined (i.d.))	Teflon-lined (i.d.)	Ignitability, Reactivity, Corrosivity (8 oz glass w/ Teflon-lined (i.d.))	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Ti, Sn, V, Zn (16 oz poly w/ HNO3)	CN - (poly w/ NAOH)	Remarks	Total
East Lagoon Comp A	S	11/5/01 1615			1		1				2
East Lagoon Comp B	S	1645			1		1				2
East Lagoon Comp B-DUP	S	1645			1		1				2
Equipment Blank	L	11/5/01 1655						1	1		2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 6

Relinquished by: Robert Reina	Organization: ARCADIS G&M	Date 11/5/01	Time PM	Seal Intact?
Received by: [signature]	Organization: ASARCO	Date 11/6/01	Time	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: NORMAL Turnaround - Results to Ken Brandner @ ARCADIS
Samples were shipped in a cooler w/ ice.

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex #8794765066 (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

DATE [illegible] - Robert Reina

ASARCO

December 18, 2001

Mr. Ken Brandner
Arcadis Geraghty & Miller

Attached are the analytical results and quality control data for (1), one water sample collected on November 05, 2001, in association with the Encycle Project # CC 000643.0001 and received by the laboratory on November 06, 2001.

The sample was digested in accordance with EPA methods 3010 and 6020M for ICP and ICP-MS analyses respectively.

If you need further information, please call me at (801) 263 5266.

Sincerely,

Adil Harami
Senior Chemist

Attach.

cc: GRStanga (w/attach.)

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ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011511

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011511-001	05-NOV-01	EQUIPMENT BLANK	AG	<0.005	ppm	EH	29-NOV-01	6010
			AS	<0.005	ppm	MF	03-DEC-01	6020M
			BA	<0.050	ppm	EH	29-NOV-01	6010
			BI	<0.050	ppm	EH	29-NOV-01	6010
			CD	<0.010	ppm	EH	29-NOV-01	6010
			CN-	<0.004	ppm	DC	08-NOV-01	335.2
			CO	<0.050	ppm	EH	29-NOV-01	6010
			CR	<0.010	ppm	EH	29-NOV-01	6010
			CU	<0.050	ppm	EH	29-NOV-01	6010
			HG	<0.0005	ppm	MO	12-NOV-01	7470
			MN	<0.015	ppm	EH	29-NOV-01	6010
			NI	<0.050	ppm	EH	29-NOV-01	6010
			PB	<0.050	ppm	EH	29-NOV-01	6010
			SB	<0.050	ppm	MF	03-DEC-01	6020M
			SE	<0.010	ppm	MF	03-DEC-01	6020M
			SN	<0.050	ppm	EH	29-NOV-01	6010
			TL	<0.002	ppm	MF	03-DEC-01	6020M
			V	<0.050	ppm	EH	29-NOV-01	6010
			ZN	<0.050	ppm	EH	29-NOV-01	6010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011055

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011055-1		Matrix Spike	AG	94	%Recovery	EH	29-NOV-01	6010
			AS	80	%Recovery	MF	03-DEC-01	6020M
			BA	97	%Recovery	EH	29-NOV-01	6010
			BI	98	%Recovery	EH	29-NOV-01	6010
			CD	96	%Recovery	EH	29-NOV-01	6010
			CN-	100	%Recovery	DC	08-NOV-01	335.2
			CO	95	%Recovery	EH	29-NOV-01	6010
			CR	97	%Recovery	EH	29-NOV-01	6010
			CU	102	%Recovery	EH	29-NOV-01	6010
			HG	101	%Recovery	MO	12-NOV-01	7470
			MN	101	%Recovery	EH	29-NOV-01	6010
			NI	96	%Recovery	EH	29-NOV-01	6010
			PB	96	%Recovery	EH	29-NOV-01	6010
			SB	93	%Recovery	MF	03-DEC-01	6020M
			SE	81	%Recovery	MF	03-DEC-01	6020M
			SN	100	%Recovery	EH	29-NOV-01	6010
			TL	113	%Recovery	MF	03-DEC-01	6020M
			V	99	%Recovery	EH	29-NOV-01	6010
			ZN	89	%Recovery	EH	29-NOV-01	6010
WG011055-2		Prep Blank	AG	<0.005	ppm	EH	29-NOV-01	6010
			AS	<0.005	ppm	MF	03-DEC-01	6020M
			BA	<0.050	ppm	EH	29-NOV-01	6010
			BI	<0.050	ppm	EH	29-NOV-01	6010
			CD	<0.010	ppm	EH	29-NOV-01	6010
			CN-	<0.004	ppm	DC	08-NOV-01	335.2
			CO	<0.050	ppm	EH	29-NOV-01	6010
			CR	<0.010	ppm	EH	29-NOV-01	6010
			CU	<0.050	ppm	EH	29-NOV-01	6010
			HG	<0.0005	ppm	MO	12-NOV-01	7470
			MN	<0.015	ppm	EH	29-NOV-01	6010
			NI	<0.050	ppm	EH	29-NOV-01	6010
			PB	<0.050	ppm	EH	29-NOV-01	6010
			SB	<0.050	ppm	MF	03-DEC-01	6020M
			SE	<0.010	ppm	MF	03-DEC-01	6020M
			SN	<0.050	ppm	EH	29-NOV-01	6010
			TL	<0.002	ppm	MF	03-DEC-01	6020M
			V	<0.050	ppm	EH	29-NOV-01	6010
			ZN	<0.050	ppm	EH	29-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011055

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011055-3		Lab Control Sample	AG	101	%Recovery	EH	29-NOV-01	6010
			AS	94	%Recovery	MF	03-DEC-01	6020M
			BA	102	%Recovery	EH	29-NOV-01	6010
			BI	97	%Recovery	EH	29-NOV-01	6010
			CD	97	%Recovery	EH	29-NOV-01	6010
			CN-	76	%Recovery	DC	08-NOV-01	335.2
			CO	98	%Recovery	EH	29-NOV-01	6010
			CR	101	%Recovery	EH	29-NOV-01	6010
			CU	106	%Recovery	EH	29-NOV-01	6010
			HG	104	%Recovery	MO	12-NOV-01	7470
			MN	101	%Recovery	EH	29-NOV-01	6010
			NI	99	%Recovery	EH	29-NOV-01	6010
			PB	98	%Recovery	EH	29-NOV-01	6010
			SB	97	%Recovery	MF	03-DEC-01	6020M
			SE	87	%Recovery	MF	03-DEC-01	6020M
			SN	102	%Recovery	EH	29-NOV-01	6010
			TL	99	%Recovery	MF	03-DEC-01	6020M
			V	102	%Recovery	EH	29-NOV-01	6010
			ZN	94	%Recovery	EH	29-NOV-01	6010
WG011055-5		Matrix Spike Duplicate	AG	2.1	% RPD	EH	29-NOV-01	6010
			AS	<1	% RPD	MF	03-DEC-01	6020M
			BA	1	% RPD	EH	29-NOV-01	6010
			BI	1.7	% RPD	EH	29-NOV-01	6010
			CD	<1	% RPD	EH	29-NOV-01	6010
			CN-	<1	% RPD	DC	08-NOV-01	335.2
			CO	1.3	% RPD	EH	29-NOV-01	6010
			CR	<1	% RPD	EH	29-NOV-01	6010
			CU	1.6	% RPD	EH	29-NOV-01	6010
			HG	<1	% RPD	MO	12-NOV-01	7470
			MN	<1	% RPD	EH	29-NOV-01	6010
			NI	1.4	% RPD	EH	29-NOV-01	6010
			PB	1.7	% RPD	EH	29-NOV-01	6010
			SB	<1	% RPD	MF	03-DEC-01	6020M
			SE	<1	% RPD	MF	03-DEC-01	6020M
			SN	<1	% RPD	EH	29-NOV-01	6010
			TL	<1	% RPD	MF	03-DEC-01	6020M
			V	<1	% RPD	EH	29-NOV-01	6010
			ZN	1.3	% RPD	EH	29-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011055

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011055-6		Reporting Limit	AG	0.005	ppm			6010
			AS	0.005	ppm			6020M
			BA	0.050	ppm			6010
			BI	0.050	ppm			6010
			CD	0.010	ppm			6010
			CN-	0.004	ppm			335.2
			CO	0.050	ppm			6010
			CR	0.010	ppm			6010
			CU	0.050	ppm			6010
			HG	0.0005	ppm			7470
			MN	0.015	ppm			6010
			NI	0.050	ppm			6010
			PB	0.050	ppm			6010
			SB	0.050	ppm			6020M
			SE	0.010	ppm			6020M
			SN	0.050	ppm			6010
			TL	0.002	ppm			6020M
			V	0.050	ppm			6010
			ZN	0.050	ppm			6010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO

December 19, 2001

Mr. Ken Brandner
Arcadis Geraghty & Miller

Attached are the analytical results and associated quality control data for three (3) soil samples collected on November 5, 2001, in association with the Encycle Project # CC 000643.0001. The laboratory received the samples November 6, 2001.

The samples were digested in accordance with EPA method 3050 and analyzed using inductively coupled argon plasma emission spectroscopy. The results were reported on a dry weight basis.

The samples were digested as received in accordance with EPA method 7471, and analyzed using cold vapor atomic absorption spectroscopy for Hg. The results are reported on an as received basis.

For the CN-, reactive CN- and reactive S= the samples were distilled and analyzed according to EPA methods 335.2, 9010, and 9030 respectively.

If you need further information, please call (801) 263-5208.

Sincerely,

Mary Collier
Chemical Technician

CC: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011510

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011510-001	05-NOV-01	EAST LAGOON COMP A	AG	21	ppm	EH	12-DEC-01	6010
			AS	140	ppm	EH	12-DEC-01	6010
			BA	1590	ppm	EH	12-DEC-01	6010
			BI	25	ppm	EH	12-DEC-01	6010
			CD	571	ppm	EH	12-DEC-01	6010
			CN-	0.26	ug/g	DC	07-NOV-01	335.2
			CO	509	ppm	EH	17-DEC-01	6010
			CR	257	ppm	EH	12-DEC-01	6010
			CU	2389	ppm	EH	12-DEC-01	6010
			FLASH PT.	>200	deg f	AW	19-NOV-01	1010
			HG	3.4	ppm	MO	13-NOV-01	7471
			MN	1647	ppm	EH	17-DEC-01	6010
			MOIST.	32	%	AH	08-NOV-01	GRAV.
			NI	460	ppm	EH	12-DEC-01	6010
			PB	3137	ppm	EH	12-DEC-01	6010
			REAC CN-	<0.1	ug/g	DC	07-NOV-01	9010
			REAC S=	<1.5	ug/g	DC	08-NOV-01	9030
			SB	*20	ppm	EH	12-DEC-01	6010
			SE	14	ppm	EH	12-DEC-01	6010
			SN	144	ppm	EH	12-DEC-01	6010
			TL	20	ppm	EH	12-DEC-01	6010
			V	52	ppm	EH	12-DEC-01	6010
			ZN	22900	ppm	EH	17-DEC-01	6010
L011510-002	05-NOV-01	EAST LAGOON COMP B	AG	5.1	ppm	EH	12-DEC-01	6010
			AS	29	ppm	EH	12-DEC-01	6010
			BA	654	ppm	EH	12-DEC-01	6010
			BI	9.8	ppm	EH	12-DEC-01	6010
			CD	209	ppm	EH	12-DEC-01	6010
			CN-	0.12	ug/g	DC	07-NOV-01	335.2
			CO	100	ppm	EH	12-DEC-01	6010
			CR	53	ppm	EH	12-DEC-01	6010
			CU	435	ppm	EH	12-DEC-01	6010
			FLASH PT.	>200	deg f	AW	19-NOV-01	1010
			HG	0.80	ppm	MO	13-NOV-01	7471
			MN	489	ppm	EH	17-DEC-01	6010
			MOIST.	26	%	AH	08-NOV-01	GRAV.
			NI	95	ppm	EH	12-DEC-01	6010
			PB	743	ppm	EH	12-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011510

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011510-002	05-NOV-01	EAST LAGOON COMP B	REAC CN-	<0.1	ug/g	DC	07-NOV-01	9010
			REAC S=	<1.5	ug/g	DC	08-NOV-01	9030
			SB	*<5	ppm	EH	12-DEC-01	6010
			SE	<5	ppm	EH	12-DEC-01	6010
			SN	50	ppm	EH	12-DEC-01	6010
			TL	13	ppm	EH	12-DEC-01	6010
			V	33	ppm	EH	12-DEC-01	6010
			ZN	6264	ppm	EH	17-DEC-01	6010
L011510-003	05-NOV-01	E. LAGOON COMP B-DUP	AG	4.3	ppm	EH	12-DEC-01	6010
			AS	22	ppm	EH	12-DEC-01	6010
			BA	690	ppm	EH	12-DEC-01	6010
			BI	6.5	ppm	EH	12-DEC-01	6010
			CD	206	ppm	EH	12-DEC-01	6010
			CN-	0.15	ug/g	DC	07-NOV-01	335.2
			CO	92	ppm	EH	12-DEC-01	6010
			CR	46	ppm	EH	12-DEC-01	6010
			CU	539	ppm	EH	12-DEC-01	6010
			FLASH PT.	>200	deg f	AW	19-NOV-01	1010
			HG	0.74	ppm	MO	13-NOV-01	7471
			MN	479	ppm	EH	17-DEC-01	6010
			MOIST.	26	%	AH	08-NOV-01	GRAV.
			NI	87	ppm	EH	12-DEC-01	6010
			PB	680	ppm	EH	12-DEC-01	6010
			REAC CN-	<0.1	ug/g	DC	07-NOV-01	9010
			REAC S=	<1.5	ug/g	DC	08-NOV-01	9030
			SB	*<5	ppm	EH	12-DEC-01	6010
			SE	<5	ppm	EH	12-DEC-01	6010
			SN	36	ppm	EH	12-DEC-01	6010
			TL	10	ppm	EH	12-DEC-01	6010
			V	32	ppm	EH	12-DEC-01	6010
			ZN	5300	ppm	EH	12-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011510

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

*Antimony spike results outside of control limits. Results may be subject to bias.

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011057

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011057-1		Matrix Spike	AG	105	%Recovery	EH	12-DEC-01	6010
			AS	99	%Recovery	EH	12-DEC-01	6010
			BA	90	%Recovery	EH	12-DEC-01	6010
			BI	98	%Recovery	EH	12-DEC-01	6010
			CD	*SR>4X SA	%Recovery	EH	12-DEC-01	6010
			CN-	96	%Recovery	DC	07-NOV-01	335.2
			CO	90	%Recovery	EH	12-DEC-01	6010
			CR	100	%Recovery	EH	12-DEC-01	6010
			CU	*SR>4X SA	%Recovery	EH	12-DEC-01	6010
			HG	*SR > 4X SA	%Recovery	MO	13-NOV-01	7471
			MN	*SR>4X SA	%Recovery	EH	12-DEC-01	6010
			NI	93	%Recovery	EH	12-DEC-01	6010
			PB	*SR>4X SA	%Recovery	EH	12-DEC-01	6010
			REAC CN-	96	%Recovery	DC	07-NOV-01	9010
			REAC S=	73	%Recovery	DC	08-NOV-01	9030
			SB	**56	%Recovery	EH	12-DEC-01	6010
			SE	84	%Recovery	EH	12-DEC-01	6010
			SN	97	%Recovery	EH	12-DEC-01	6010
			TL	95	%Recovery	EH	12-DEC-01	6010
			V	109	%Recovery	EH	12-DEC-01	6010
			ZN	*SR>4X SA	%Recovery	EH	12-DEC-01	6010
WG011057-2		Prep Blank	AG	<2	ppm	EH	12-DEC-01	6010
			AS	<5	ppm	EH	12-DEC-01	6010
			BA	<5	ppm	EH	12-DEC-01	6010
			BI	<5	ppm	EH	12-DEC-01	6010
			CD	<1	ppm	EH	12-DEC-01	6010
			CN-	<.05	ug/g	DC	07-NOV-01	335.2
			CO	<5	ppm	EH	12-DEC-01	6010
			CR	<5	ppm	EH	12-DEC-01	6010
			CU	<5	ppm	EH	12-DEC-01	6010
			HG	<.05	ppm	MO	13-NOV-01	7471
			MN	<5	ppm	EH	12-DEC-01	6010
			NI	<5	ppm	EH	12-DEC-01	6010
			PB	<5	ppm	EH	12-DEC-01	6010
			REAC CN-	<.1	ug/g	DC	07-NOV-01	9010
			REAC S=	<1.5	ug/g	DC	08-NOV-01	9030
			SB	<5	ppm	EH	12-DEC-01	6010
			SE	<5	ppm	EH	12-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011057

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011057-2		Prep Blank	SN	<5	ppm	EH	12-DEC-01	6010
			TL	<5	ppm	EH	12-DEC-01	6010
			V	<5	ppm	EH	12-DEC-01	6010
			ZN	<5	ppm	EH	12-DEC-01	6010
WG011057-3		Lab Control Sample	AG	***144	%Recovery	EH	12-DEC-01	6010
			AS	108	%Recovery	EH	12-DEC-01	6010
			BA	116	%Recovery	EH	12-DEC-01	6010
			BI	109	%Recovery	EH	12-DEC-01	6010
			CD	112	%Recovery	EH	12-DEC-01	6010
			CN-	93	%Recovery	DC	07-NOV-01	335.2
			CO	111	%Recovery	EH	12-DEC-01	6010
			CR	114	%Recovery	EH	12-DEC-01	6010
			CU	103	%Recovery	EH	12-DEC-01	6010
			HG	103	%Recovery	MO	13-NOV-01	7471
			MN	112	%Recovery	EH	12-DEC-01	6010
			NI	112	%Recovery	EH	12-DEC-01	6010
			PB	102	%Recovery	EH	12-DEC-01	6010
			REAC CN-	113	%Recovery	DC	07-NOV-01	9010
			REAC S=	79	%Recovery	DC	08-NOV-01	9030
			SB	108	%Recovery	EH	12-DEC-01	6010
			SE	95	%Recovery	EH	12-DEC-01	6010
			SN	112	%Recovery	EH	12-DEC-01	6010
			TL	112	%Recovery	EH	12-DEC-01	6010
			V	***125	%Recovery	EH	12-DEC-01	6010
			ZN	103	%Recovery	EH	12-DEC-01	6010
WG011057-4		Duplicate	MOIST.	6.1	% RPD	AH	08-NOV-01	GRAV.
WG011057-5		Matrix Spike Duplicate	AG	<1.0	% RPD	EH	12-DEC-01	6010
			AS	<1.0	% RPD	EH	12-DEC-01	6010
			BA	<1.0	% RPD	EH	12-DEC-01	6010
			BI	2.6	% RPD	EH	12-DEC-01	6010
			CD	2.2	% RPD	EH	12-DEC-01	6010
			CN-	28	% RPD	DC	07-NOV-01	335.2
			CO	<1.0	% RPD	EH	12-DEC-01	6010
			CR	1.4	% RPD	EH	12-DEC-01	6010
			CU	2.0	% RPD	EH	12-DEC-01	6010
			HG	9.7	% RPD	MO	13-NOV-01	7471

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011057

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011057-5		Matrix Spike Duplicate	MN	1.5	% RPD	EH	17-DEC-01	6010
			NI	<1.0	% RPD	EH	12-DEC-01	6010
			PB	1.6	% RPD	EH	12-DEC-01	6010
			REAC S=	<1.0	% RPD	DC	08-NOV-01	9030
			SB	<1.0	% RPD	EH	12-DEC-01	6010
			SE	<1.0	% RPD	EH	12-DEC-01	6010
			SN	<1.0	% RPD	EH	12-DEC-01	6010
			TL	<1.0	% RPD	EH	12-DEC-01	6010
			V	1.8	% RPD	EH	12-DEC-01	6010
			ZN	2.4	% RPD	EH	12-DEC-01	6010
WG011057-6		Reporting Limit	AG	2	ppm			
			AS	5	ppm			
			BA	5	ppm			
			BI	5	ppm			
			CD	1	ppm			
			CN-	.05	ug/g			
			CO	5	ppm			
			CR	5	ppm			
			CU	5	ppm			
			FLASH PT.	200	deg F			
			HG	.05	ppm			
			MN	5	ppm			
			NI	5	ppm			
			PB	5	ppm			
			REAC CN-	0.1	ug/g			
			REAC S=	1.5	ug/g			
			SB	5	ppm			
			SE	5	ppm			
			SN	5	ppm			
			TL	5	ppm			
			V	5	ppm			
			ZN	5	ppm			

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011057

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

*SR > 4X SA; spike not evaluated.
**Antimony spike results outside of control limits. Results may be subject to bias.
*** Silver and vanadium LCS is within acceptance limits.

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, Texas

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Robert Reina / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Be, Bi, Cd, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Be, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, Zn (8 oz glass) or Teflon-lined (1 L)	Ignitability, Reactivity, Corrosivity (8 oz glass w/ Teflon-lined)	Total Sb, As, Be, Bi, Cd, Cr, Cu, CN, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (16 oz poly w/ HNO3)	CN- (poly w/ NaOH) (1 liter)	Remarks	Total
East Lagoon Comp A	S	11/5/01 1615			1	1				2
East Lagoon Comp B	S	↓ 1645			1	1				2
East Lagoon Comp B-DUP	S	↓ 1645			1	1				2
Equipment Blank	L	11/5/01 1655					1	1		2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 6

Relinquished by: Robert Reina	Organization: ARCADIS G&M	Date 11/5/01	Time PM	Seal Intact? Yes No N/A
Received by: [signature]	Organization: ASARCO	Date 11/6/01	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal Turnaround - Results to Ken Brandner @ ARCADIS
Samples were shipped in a cooler w/ ice.

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex #879476506 ☐ Lab Courier ☐ Other _____ (SPECIFY)

DATE Change Per Robert Reina

AG 05-0597

APPENDIX K

ARCADIS

Appendix K

Soil Boring Logs – East Lagoon

Boring Log

Depth (Feet)	Sample Description	
	0-0.5'	Loose, brown and gray, clayey, very fine-grained sand (SC).
5	0.5-2'	Firm, brown and gray, very fine-grained sandy clay (CL). Some silt.
	2-2.5'	Loose, brown to gray, silty, very fine to medium grained sand with shell fragments (SM). Saturated at 2 feet.
	TD @ 2.5 feet.	

Elag-1
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Depth (Feet)	Sample Description	
	0-0.5'	Firm, mottled brown, light gray, and dark gray clayey silt and silty clay (CL).
5	0.5-3'	Stiff, plastic, light brown, silty clay (CH).
	3-3.5'	Loose, gray, silty, very fine to medium-grained sand with shell gragments (SM). Saturated at 3 feet.
	TD @ 3.5 feet.	

Boring Log

Elag-2
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-0.5'	Firm, mottled brown, light gray and dark gray clayey silt and silty clay (ML/CL).
5	0.5-2.5'	Stiff, light brown, plastic, silty clay (CH).
	2.5-3'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 2.5 feet.
	TD @ 3 feet.	

Elag-3
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-0.5'	Firm, mottled light gray, dark gray and brown clayey silt (ML).
5	0.5-2.5'	Stiff, brown, plastic, silty clay (CH).
	2.5-3'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 2.5 feet.
	TD @ 3 feet.	

Elag-4
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-0.5'	Firm, mottled brown and gray, clayey, very fine-grained sandy silt (ML).
5	0.5-2'	Stiff, light brown, plastic, silty clay (CH).
	2-2.5'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 2 feet.
	TD @ 2.5 feet.	

Elag-5
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-1'	Firm, mottled brown and gray, clayey, very fine-grained sandy silt (ML).
5	1-3'	Stiff, light brown, plastic, silty clay (CH).
	3-3.5'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 3 feet.
	TD @ 3.5 feet.	

Elag-6
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-1'	Firm, mottled brown and dark gray clayey silt and very fine-grained sandy silt (ML).
5	1-2'	Stiff to very stiff brown silty clay (CH).
	2-2.5'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 2 feet.
	TD @ 2.5 feet.	

Elag-7
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Boring Log

Depth (Feet)	Sample Description	
	0-0.5'	Medium dense, mottled brown and dark gray, clayey, very fine-grained sand (SC).
5	0.5-2'	Stiff to very stiff, brown, plastic, silty clay (CH).
	2-2.5'	Loose, gray, silty, very fine to medium-grained sand with shell fragments (SM). Saturated at 2 feet.
	TD @ 2.5 feet.	

Elag-8
Boring

Encycle, Inc.
Client

CC000643.0001
Project

Corpus Christi, Texas
Location

11/2/01
Date

Hand Auger
Drilling Method

Ken Brandner, ARCADIS
Logged By

JEDI
Contract Driller

Comments:

Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.

Texas Department of License and Regulation

Water Well Driller/Pump Installer Program
P.O. Box 12157 Austin, Texas 78711 (512)463-7880 FAX (512)463-8616
Toll free (800)803-9202
Email address: water.well@license.state.tx.us

This form must be completed and filed with the department and owner within 60 days upon completion of the well.

WELL REPORT

A. WELL IDENTIFICATION AND LOCATION DATA

1) OWNER

Name	Address	City	State	Zip
ENLYCLE, INC.	5500 UPRIVER RD.	CORPUS CHRISTI	TX.	

2) WELL LOCATION

County	Physical Address	City	State	Zip
Nueces	5500 UPRIVER Rd.	CORPUS CHRISTI	TX.	

3) Type of Work ELAG 1-8
☐ New Well ☐ Reconditioning ☐ Replacement ☑ Deepening

Lat. Long. Grid # 83-12-2

4) Proposed Use (check) ☐ Monitor ☑ Environmental Soil Boring ☐ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell ☐ Rig Supply
If Public Supply well, were plans submitted? ☐ Yes ☐ No

5) NT

6) Drilling Date
Started 11/2/01
Completed 11/2/01

Diameter of Hole

Dia.(in)	From (ft)	To (ft)
3	0	3.5

7) Drilling Method (check) ☐ Driven ☐ Air Rotary ☐ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☑ Other HAND AUGER

From (ft)	To (ft)	Description and color of for mation material
0	0.5'	FIRM MOTTLED BROWN + DARK GRAY CLAY
0.5'	2'	STIFF BROWN CLAY
2'	2.5'	LOOSE GRAY MED SAND
2.5	3.5'	LOOSE GRAY SILTY SAND
		ELAG 3,4 - TD 3'
		NOTE: ELAG 1,5,28 - TD 2.5'

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion ☑ Open Hole ☐ Straight Wall
☐ Under-reamed ☐ Gravel Packed ☐ Other
If Gravel Packed give the interval from ft. to ft.

Casing, Blank Pipe, and Well Screen Data

Dia. (in.)	New Or Used	Steel, Plastic, etc. Perf., Slotted, etc Screen Mfg., if commercial	Setting (ft) From	Setting (ft) To	Gage Casing Screen

9) Cementing Data
Cementing from 0 ft. to 3.5 ft. # of sacks used 1/2 Bag
ft. to ft. # of sacks used
Method Used HAND
Cementing By JEDI
Distance to septic system field or other concentrated contamination ft.
Method of verification of above distance

13) Plugged ☐ Well plugged within 48 hours
Casing left in well: Cement/Bentonite placed in well:

From (ft)	To (ft)	From (ft)	To (ft)	Sacks used

10) Surface Completion
☐ Specified Surface Slab Installed
☐ Specified Surface Sleeve Installed
☐ Pitless Adapter Used
☐ Approved Alternative Procedure Used

14) Type Pump
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other
Depth to pump bowls, cylinder, jet etc. ft.

11) Water Level
Static level ft. below Date / /
Artesian Flow gpm. Date / /

15) Water Test
Typetest ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: gpm with ft. drawdown after hrs.

16) Water Quality
Did you knowingly penetrate a strata which contain undesirable constituents.
☐ YES ☑ NO If yes, did you submit a REPORT OF UNDESIRABLE WATER
Type of water Depth of Strata
Was a chemical analysis made ☐ Yes ☑ No

12) Packers Type Depth

Company or individual's Name (type or print)	JEDI, INC	Lic. No. 4931-M
Address 1911 N. Lexington Blvd	City Corpus Christi	State TX Zip 78409

Signature (Licensed Driller/Pump Installer)	Date	Signature (Apprentice)	Date
Paul Daniels	12/18/01	Carlos Cantu	12/18/01

TDLR FORM -001WWD White - TDLR Yellow - Owner Pink - Driller/Pump Installer

APPENDIX L

ARCADIS

Appendix L

Soil Background Concentrations

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

October 15, 2001

Mr. Richard Marcus
Divisional Environmental Manager
Encycle - Texas Inc.
P. O. Box 4767
Corpus Christi, TX 78469

Re: *RCRA Facility Investigation Background Soil Sampling Results* - July 19,2001
TNRCC SWR No. 30003
TNRCC Hazardous Waste Permit No. HW- 50221
EPA ID No. TXD008117186
Civil Action No. H-99-1136, Enf. ID No. 1017
Agreed Consent Decree Entered October 7, 1999

Dear Mr. Marcus:

The Texas Natural Resource Conservation Commission (TNRCC) has reviewed the above referenced report dated July 19, 2001. The TNRCC approves the revised background values at this time. Please reference these background concentrations when conducting your investigation.

An original and one copy of future plans and reports that are required to be submitted by the Consent Decree should be submitted to the TNRCC Waste Section of the Enforcement Division at the letterhead address using Mail Code MC-219. An additional copy should be submitted to the Waste Program Manager, TNRCC, Region 14 Office, 6300 Ocean Dr. Ste. 1200, Corpus Christi, TX 78412-5503. The facility name, location and identification number(s) in the TNRCC reference line above should be included with the submittal.

Questions concerning this letter should be directed to me at (512) 239-2350. Please use Mail Code 127 (MC-127) when responding by mail.

Sincerely,

Brad Wilkinson, Project Manager
Team I, Corrective Action Section
Remediation Division

BW/bw

cc: Waste Program Manager, TNRCC Region 14 Office, Corpus Christi

Table 4. Soil Background Concentrations (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Constituent	0-0.5 feet[a]	2-2.5 feet[b]	Unsaturated soil sample[c]	Saturated soil sample[d]	Clay/Silt Strata[e]	SP SW Clean sand strata[f]
Antimony					*0.77*	*0.80*
Arsenic	16.65	8.01	21.86	9.8		
Barium					*720*	*202*
Bismuth	4.90					
Cadmium	11.70	4.47	4.97	3.64		
Chromium					*14.9*	*35.9*
Cobalt	9.72					
Copper	40.33	17.20	16.15	18.26		
Cyanide	0.24					
Lead	109.16	54.36	38.96	30.92		
Manganese	333.73	360.83	592.50	686.68		
Mercury	0.09					
Nickel	25.80	27.21	29.74	25.86		
Selenium	0.89					
Silver					*0.54*	*0.50*
Thallium					*1.02*	*1.0*
Tin	7.65					
Vanadium					*35.6*	*15.7*
Zinc	---	---	---	---	---	---

Table 4. Soil Background Concentrations (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

a Concentrations approved in an April 28, 1997 TNRCC letter, except for antimony, barium, chromium, silver, thallium, and vanadium which were re-calculated following collection of additional background samples on January 15, 2001.

b Concentrations taken from Encycle May 19, 1993 letter report regarding background sampling program.

c Variable depth representative of soil conditions above the uppermost water table (K. W. Brown September 1993 RFI Report).

d Variable depth representative of soil conditions at top of the water table (K. W. Brown September 1993 RFI Report).

e Lithology-specific concentration for clay/silt strata (not depth-specific). Includes strata with a Unified Soil Classification System (USCS) description of "ML", "CL", "SM", and "SC".

f Lithology-specific concentration for clean sand strata (not depth-specific). Strata with a USCS description of "SP" and "SW".

Notes:

1) April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at this site. Therefore, zinc background level not given.
2) Concentrations shown on 0-0.5 feet column shall be used as background concentration for all soil depth intervals for bismuth, cobalt, cyanide, mercury, selenium, and tin as shown above.
3) Soil background concentrations were re-calculated for antimony, barium, chromium, silver, thallium, and vanadium as specified in the ARCADIS October 17, 2000 work plan and the TNRCC January 4, 2001 letter regarding the work plan. Revised background concentrations for these constituents are shown in ***bold italics***.
4) As specified in the TNRCC June 14, 2001 letter, soil background concentrations for antimony, barium, chromium, silver, thallium, and vanadium were calculated for each lithologic unit encountered at the facility which consisted of clay/silt strata and clean sand strata at the background soil sample locations.
5) Soil samples obtained from clay strata, silt strata, clay/sand mixtures, and silt/sand mixtures for antimony, barium, chromium, silver, thallium, and vanadium will be compared to background values for clay/silt strata as shown above. This will include fine-grained soils with the USCS of "ML" and "CL", and sands with fines (USCS of "SM" and "SC").
6) Soil samles obtained from clean sand strata (i.e., well sorted sands with little or no fines) for antimony, barium, chromium, silver, thallium, and vanadium will be compared to background values for clean sand strata as shown above. This will consist of well-sorted (poorly graded) sand strata with a USCS of "SP" and "SW".

APPENDIX M

ARCADIS

Appendix M

Target Levels For East Lagoon Clay Bottom and Subsurface Soils (Taken from December 22, 1999 Closure Plan)

Table 1. Target Levels for Lagoon Clay Bottom and Subsurface Soils Exceeding Background Levels, Encycle/Texas, Inc., Corpus Christi, Texas

Constituent	RRS2 SAI-Ind (mg/kg)	RRS2 adjusted GWP-Ind (mg/kg)	RRS2 adjusted Groundwater MSC (mg/L)	Alternate LDR Treatment Standards for Contaminated Soil* (units shown below)
Antimony	490	60	0.6	11.5 mg/L TCLP
Arsenic	200	500	5	50 mg/L TCLP
Barium	58,000	20,000	200	210 mg/L TCLP
Cadmium	410	50	0.5	1.1 mg/L TCLP
Chromium	230,000	1,000	10	6 mg/L TCLP
Cobalt	61,000	61,000	610	(not given)
Copper	74,000	13,000	130	(not given)
Cyanide	37,000	2,000	20	5,900 mg/kg (total cyanide)
Lead	1,000	150	1.5	7.5 mg/L TCLP
Manganese	81,000	140,000	1,400	(not given)
Mercury	9.6	20	0.2	.25 mg/L TCLP
Nickel	12,000	20,000	200	110 mg/L TCLP
Selenium	9,200	500	5	57 mg/L TCLP
Silver	2,800	5,100	51	1.4 mg/L TCLP
Thallium	150	20	0.2	2 mg/L TCLP
Tin	610,000	610,000	6,100	(not given)
Vanadium	2,900	7,200	72	16 mg/L TCLP
Zinc	410,000	310,000	3,100	43 mg/L TCLP

*Alternate LDR Treatment Standards for Contaminated Soils (40 Code of Federal Regulations, Part 268.49 (c)(1)(C))

RRS2	Risk Reduction Standard No. 2
SAI-Ind	Soil MSC for Industrial Use Based on Inhalation, Ingestion, and Dermal Contact
GWP-Ind	Soil MSC for Industrial Use Based on Groundwater Protection
MSC	Medium-Specific Concentrations
TCLP	Toxicity Characteristic Leaching Procedure

Notes:

(1) RRS2 values, except bismuth, taken from "Updated Examples of Standard No. 2, Appendix II Medium-Specific Concentrations (MSCs), Last Update: April 7, 1999"

(2) RRS2 GWP-Ind and Groundwater MSC values adjusted by a factor of 100 because the average background total dissolved solids concentration of the fill/alluvium at the site exceeds 10,000 mg/L.

APPENDIX N

ARCADIS

Appendix N

Laboratory Report – East Lagoon Soil Samples

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-001	02-NOV-01	ELAG-2,0-0.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	5.5	ppm	EH	06-DEC-01	6010
			BA	235.	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	15.	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	12.	ppm	EH	06-DEC-01	6010
			CR	18.	ppm	EH	06-DEC-01	6010
			CU	35.*	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	08-NOV-01	7471
			MN	274.	ppm	EH	06-DEC-01	6010
			MOIST.	20.	%	AKH	08-NOV-01	GRAV.
			NI	14.	ppm	EH	06-DEC-01	6010
			PB	34.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	6.0	ppm	EH	06-DEC-01	6010
			TL	6.0	ppm	EH	06-DEC-01	6010
			V	22.	ppm	EH	06-DEC-01	6010
			ZN	331.	ppm	EH	06-DEC-01	6010
L011506-002	02-NOV-01	ELAG-2,0.5-2'	AG	4.6	ppm	EH	06-DEC-01	6010
			CD	130.	ppm	EH	06-DEC-01	6010
			CO	5.5	ppm	EH	06-DEC-01	6010
			CR	17.	ppm	EH	06-DEC-01	6010
			SB	6.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			TL	6.5	ppm	EH	06-DEC-01	6010
			ZN	7204.	ppm	EH	06-DEC-01	6010
L011506-003	02-NOV-01	ELAG-2,2-2.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			CD	4.1	ppm	EH	06-DEC-01	6010
			CR	16.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			TL	10.	ppm	EH	06-DEC-01	6010
			ZN	473.	ppm	EH	06-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-007	02-NOV-01	ELAG-3,0-0.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	7.9	ppm	EH	06-DEC-01	6010
			BA	810.	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	17.	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	10.	ppm	EH	06-DEC-01	6010
			CR	10.	ppm	EH	06-DEC-01	6010
			CU	40.*	ppm	EH	06-DEC-01	6010
			HG	0.60	ppm	MO	08-NOV-01	7471
			MN	450.	ppm	EH	06-DEC-01	6010
			MOIST.	23.	%	AKH	08-NOV-01	GRAV.
			NI	11.	ppm	EH	06-DEC-01	6010
			PB	45.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	<5.0	ppm	EH	06-DEC-01	6010
			TL	8.7	ppm	EH	06-DEC-01	6010
			V	23.	ppm	EH	06-DEC-01	6010
			ZN	605.	ppm	EH	06-DEC-01	6010
L011506-008	02-NOV-01	ELAG-3,0.5-2'	AG	<2.0	ppm	EH	06-DEC-01	6010
			BA	294.	ppm	EH	06-DEC-01	6010
			CD	23.	ppm	EH	06-DEC-01	6010
			CO	8.2	ppm	EH	06-DEC-01	6010
			HG	0.15	ppm	MO	16-NOV-01	7471
			MN	476.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			TL	12.	ppm	EH	06-DEC-01	6010
			ZN	2497.	ppm	EH	06-DEC-01	6010
L011506-009	02-NOV-01	ELAG-3,2-2.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			CD	1.3	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	16-NOV-01	7471
			MN	275.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			TL	9.7	ppm	EH	06-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-009	02-NOV-01	ELAG-3,2-2.5'	ZN	348.	ppm	EH	06-DEC-01	6010
L011506-011	02-NOV-01	ELAG-3,1.0-1.5'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-012	02-NOV-01	ELAG-3,1.5-2'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-013	02-NOV-01	ELAG-4,0-0.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	7.7	ppm	EH	06-DEC-01	6010
			BA	419.	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	11.	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	6.2	ppm	EH	06-DEC-01	6010
			CR	18.	ppm	EH	06-DEC-01	6010
			CU	45.*	ppm	EH	06-DEC-01	6010
			HG	0.26	ppm	MO	08-NOV-01	7471
			MN	220.	ppm	EH	06-DEC-01	6010
			MOIST.	19.	%	AKH	08-NOV-01	GRAV.
			NI	15.	ppm	EH	06-DEC-01	6010
			PB	62.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	7.7	ppm	EH	06-DEC-01	6010
			TL	5.6	ppm	EH	06-DEC-01	6010
			V	25.	ppm	EH	06-DEC-01	6010
			ZN	679.	ppm	EH	06-DEC-01	6010
L011506-014	02-NOV-01	ELAG-4DUP,0-0.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	7.2	ppm	EH	06-DEC-01	6010
			BA	710.	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	9.4	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	6.0	ppm	EH	06-DEC-01	6010
			CR	13.	ppm	EH	06-DEC-01	6010
			CU	30.*	ppm	EH	06-DEC-01	6010
			HG	0.15	ppm	MO	16-NOV-01	7471
			MN	214.	ppm	EH	06-DEC-01	6010
			MOIST.	17.	%	AKH	08-NOV-01	GRAV.

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-014	02-NOV-01	ELAG-4DUP,0-0.5'	NI	9.9	ppm	EH	06-DEC-01	6010
			PB	41.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	6.6	ppm	EH	06-DEC-01	6010
			TL	5.8	ppm	EH	06-DEC-01	6010
			V	23.	ppm	EH	06-DEC-01	6010
			ZN	538.	ppm	EH	06-DEC-01	6010
L011506-015	02-NOV-01	ELAG-4,0.5-2'	AG	3.2	ppm	EH	06-DEC-01	6010
			CD	50.	ppm	EH	06-DEC-01	6010
			CR	16.	ppm	EH	06-DEC-01	6010
			CU	179.*	ppm	EH	06-DEC-01	6010
			HG	0.96	ppm	MO	16-NOV-01	7471
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	19.	ppm	EH	06-DEC-01	6010
			TL	7.8	ppm	EH	06-DEC-01	6010
			ZN	3700.	ppm	EH	06-DEC-01	6010
L011506-016	02-NOV-01	ELAG-4,2-2.5	AG	<2.0	ppm	EH	06-DEC-01	6010
			CD	2.1	ppm	EH	06-DEC-01	6010
			CR	15.	ppm	EH	06-DEC-01	6010
			CU	20.*	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	16-NOV-01	7471
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	5.5	ppm	EH	06-DEC-01	6010
			TL	11.	ppm	EH	06-DEC-01	6010
			ZN	306.	ppm	EH	06-DEC-01	6010
L011506-018	02-NOV-01	ELAG-4,1-1.5'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-019	02-NOV-01	ELAG-4,1.5-2'	HG	0.085	ppm	MO	16-NOV-01	7471
L011506-020	02-NOV-01	ELAG-5,0-0.5'	AG	7.0	ppm	EH	06-DEC-01	6010
			AS	52.	ppm	EH	06-DEC-01	6010
			BA	312.	ppm	EH	06-DEC-01	6010
			BI	7.0	ppm	EH	06-DEC-01	6010

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Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-020	02-NOV-01	ELAG-5,0-0.5'	CD	312.	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	9.5	ppm	EH	06-DEC-01	6010
			CR	29.	ppm	EH	06-DEC-01	6010
			CU	327.*	ppm	EH	06-DEC-01	6010
			HG	1.4	ppm	MO	08-NOV-01	7471
			MN	525.	ppm	EH	06-DEC-01	6010
			MOIST.	27.	%	AKH	08-NOV-01	GRAV.
			NI	14.	ppm	EH	06-DEC-01	6010
			PB	808.	ppm	EH	06-DEC-01	6010
			SB	9.1*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	41.	ppm	EH	06-DEC-01	6010
			TL	11.	ppm	EH	06-DEC-01	6010
			V	32.	ppm	EH	06-DEC-01	6010
			ZN	10250.	ppm	EH	06-DEC-01	6010
L011506-021	02-NOV-01	ELAG-5,0.5-2'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	7.2	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	3.9	ppm	EH	06-DEC-01	6010
			CR	8.9	ppm	EH	06-DEC-01	6010
			CU	18.*	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	16-NOV-01	7471
			MN	215.	ppm	EH	06-DEC-01	6010
			PB	32.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	5.4	ppm	EH	06-DEC-01	6010
			TL	5.4	ppm	EH	06-DEC-01	6010
			ZN	490.	ppm	EH	06-DEC-01	6010
L011506-022	02-NOV-01	ELAG-5,2-2.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			CU	13.*	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	16-NOV-01	7471
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			TL	<5.0	ppm	EH	06-DEC-01	6010
			ZN	330.	ppm	EH	06-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-023	02-NOV-01	ELAG-5,1-1.5'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-024	02-NOV-01	ELAG-5,1.5-2'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-025	02-NOV-01	ELAG-6,0-0.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	11.	ppm	EH	06-DEC-01	6010
			BA	233.	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	25.	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	6.3	ppm	EH	06-DEC-01	6010
			CR	16.	ppm	EH	06-DEC-01	6010
			CU	58.*	ppm	EH	06-DEC-01	6010
			HG	0.26	ppm	MO	08-NOV-01	7471
			MN	299.	ppm	EH	06-DEC-01	6010
			MOIST.	21.	%	AKH	08-NOV-01	GRAV.
			NI	10.	ppm	EH	06-DEC-01	6010
			PB	132.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	13.	ppm	EH	06-DEC-01	6010
			TL	5.0	ppm	EH	06-DEC-01	6010
			V	22.	ppm	EH	06-DEC-01	6010
			ZN	1224.	ppm	EH	06-DEC-01	6010
L011506-026	02-NOV-01	ELAG-6,0.5-2'	AG	<2.0	ppm	EH	06-DEC-01	6010
			CD	5.4	ppm	EH	06-DEC-01	6010
			CR	15.	ppm	EH	06-DEC-01	6010
			CU	39.*	ppm	EH	06-DEC-01	6010
			HG	.075	ppm	MO	08-NOV-01	7471
			MOIST.	25.	%	AKH	08-NOV-01	GRAV.
			PB	42.	ppm	EH	06-DEC-01	6010
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	6.3	ppm	EH	06-DEC-01	6010
			TL	9.6	ppm	EH	06-DEC-01	6010
			ZN	471.	ppm	EH	06-DEC-01	6010

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Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-027	02-NOV-01	ELAG-6,2-2.5'	AG	<2.0	ppm	EH	06-DEC-01	6010
			CD	2.1	ppm	EH	06-DEC-01	6010
			CR	11.	ppm	EH	06-DEC-01	6010
			CU	17.*	ppm	EH	06-DEC-01	6010
			HG	0.066	ppm	MO	16-NOV-01	7471
			SB	<5.0*	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	<5.0	ppm	EH	06-DEC-01	6010
			TL	7.2	ppm	EH	06-DEC-01	6010
			ZN	315.	ppm	EH	06-DEC-01	6010
L011506-028	02-NOV-01	ELAG-6,3-3.5'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-029	02-NOV-01	ELAG-6,1-1.5'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-030	02-NOV-01	ELAG-6,1.5-2'	HG	<0.05	ppm	MO	16-NOV-01	7471
L011506-031	02-NOV-01	ELAG-7,0-0.5'	AG	<2.0	ppm	EH	21-DEC-01	6010
			AS	11.	ppm	EH	21-DEC-01	6010
			BA	4824.	ppm	EH	21-DEC-01	6010
			BI	7.2	ppm	EH	21-DEC-01	6010
			CD	36.	ppm	EH	21-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	9.2	ppm	EH	21-DEC-01	6010
			CR	17.	ppm	EH	21-DEC-01	6010
			CU	43.*	ppm	EH	21-DEC-01	6010
			HG	0.19	ppm	MO	08-NOV-01	7471
			MN	581.	ppm	EH	21-DEC-01	6010
			MOIST.	24.	%	AKH	08-NOV-01	GRAV.
			NI	11.	ppm	EH	21-DEC-01	6010
			PB	158.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	6.8	ppm	EH	21-DEC-01	6010
			TL	11.	ppm	EH	21-DEC-01	6010
			V	30.	ppm	EH	21-DEC-01	6010
			ZN	1682.*	ppm	EH	21-DEC-01	6010

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-032	02-NOV-01	ELAG-7,0.5-2'	AG	<2.0	ppm	EH	21-DEC-01	6010
			BA	152.	ppm	EH	21-DEC-01	6010
			BI	<5.0	ppm	EH	21-DEC-01	6010
			CD	4.2	ppm	EH	21-DEC-01	6010
			CR	12.	ppm	EH	21-DEC-01	6010
			CU	67.*	ppm	EH	21-DEC-01	6010
			HG	0.057	ppm	MO	16-NOV-01	7471
			MN	177.	ppm	EH	21-DEC-01	6010
			PB	52.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			TL	8.0	ppm	EH	21-DEC-01	6010
			ZN	1028.*	ppm	EH	21-DEC-01	6010
L011506-033	02-NOV-01	ELAG-7,2-2.5'	AG	<2.0	ppm	EH	21-DEC-01	6010
			CU	9.5*	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	<5.0	ppm	EH	21-DEC-01	6010
			TL	<5.0	ppm	EH	21-DEC-01	6010
			ZN	114.*	ppm	EH	21-DEC-01	6010
L011506-036	02-NOV-01	ELAG-8,0-0.5'	AG	2.7	ppm	EH	21-DEC-01	6010
			AS	13.	ppm	EH	21-DEC-01	6010
			BA	226.	ppm	EH	21-DEC-01	6010
			BI	5.0	ppm	EH	21-DEC-01	6010
			CD	61.	ppm	EH	21-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	7.1	ppm	EH	21-DEC-01	6010
			CR	16.	ppm	EH	21-DEC-01	6010
			CU	82.*	ppm	EH	21-DEC-01	6010
			HG	1.5	ppm	MO	08-NOV-01	7471
			MN	440.	ppm	EH	21-DEC-01	6010
			MOIST	20.	%	AKM	08-NOV-01	GRAV.
			NI	10.	ppm	EH	21-DEC-01	6010
			PB	298.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	14.	ppm	EH	21-DEC-01	6010

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Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-036	02-NOV-01	ELAG-8,0-0.5'	TL	8.3	ppm	EH	21-DEC-01	6010
			V	29.	ppm	EH	21-DEC-01	6010
			ZN	2879.*	ppm	EH	21-DEC-01	6010
L011506-037	02-NOV-01	ELAG-8DUP,0-0.5'	AG	2.7	ppm	EH	21-DEC-01	6010
			AS	13.	ppm	EH	21-DEC-01	6010
			BA	261.	ppm	EH	21-DEC-01	6010
			BI	<5.0	ppm	EH	21-DEC-01	6010
			CD	53.	ppm	EH	21-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	8.8	ppm	EH	21-DEC-01	6010
			CR	26.	ppm	EH	21-DEC-01	6010
			CU	91.*	ppm	EH	21-DEC-01	6010
			HG	1.0	ppm	MO	08-NOV-01	7471
			MN	334.	ppm	EH	21-DEC-01	6010
			MOIST.	19.	%	AKH	08-NOV-01	GRAV.
			NI	14.	ppm	EH	21-DEC-01	6010
			PB	307.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	18.	ppm	EH	21-DEC-01	6010
			TL	7.3	ppm	EH	21-DEC-01	6010
			V	28.	ppm	EH	21-DEC-01	6010
			ZN	2668.*	ppm	EH	21-DEC-01	6010
L011506-038	02-NOV-01	ELAG-8,0.5-2'	AG	<2.0	ppm	EH	21-DEC-01	6010
			BI	6.3	ppm	EH	21-DEC-01	6010
			CD	3.4	ppm	EH	21-DEC-01	6010
			CR	16.	ppm	EH	21-DEC-01	6010
			CU	39.*	ppm	EH	21-DEC-01	6010
			HG	0.057	ppm	MO	08-NOV-01	7471
			MN	445.	ppm	EH	21-DEC-01	6010
			MOIST.	23.	%	AKH	08-NOV-01	GRAV.
			PB	32.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	<5.0	ppm	EH	21-DEC-01	6010
			TL	11.	ppm	EH	21-DEC-01	6010
			ZN	858.*	ppm	EH	21-DEC-01	6010

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Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-039	02-NOV-01	ELAG-8,2-2.5'	AG	<2.0	ppm	EH	21-DEC-01	6010
			BI	<5.0	ppm	EH	21-DEC-01	6010
			CR	13.	ppm	EH	21-DEC-01	6010
			CU	32.*	ppm	EH	21-DEC-01	6010
			MN	180.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			TL	7.5	ppm	EH	21-DEC-01	6010
			ZN	852.*	ppm	EH	21-DEC-01	6010
L011506-042	02-NOV-01	ELAG-1,0-0.5	AG	35.	ppm	EH	21-DEC-01	6010
			AS	152.	ppm	EH	02-JAN-02	6010
			BA	729.	ppm	EH	02-JAN-02	6010
			BI	19.	ppm	EH	21-DEC-01	6010
			CD	1319.	ppm	EH	02-JAN-02	6010
			CN-	3.5	ppm	DC	08-NOV-01	335.2
			CO	1179.	ppm	EH	02-JAN-02	6010
			CR	1943.	ppm	EH	02-JAN-02	6010
			CU	6774.*	ppm	EH	02-JAN-02	6010
			HG	2.2	ppm	MO	08-NOV-01	7471
			MN	2838.	ppm	EH	02-JAN-02	6010
			MOIST.	30.	%	AKH	08-NOV-01	GRAV.
			NI	1608.	ppm	EH	02-JAN-02	6010
			PB	4728.	ppm	EH	02-JAN-02	6010
			SB	66.*	ppm	EH	21-DEC-01	6010
			SE	21.	ppm	EH	21-DEC-01	6010
			SN	375.	ppm	EH	02-JAN-02	6010
			TL	19.	ppm	EH	21-DEC-01	6010
			V	39.	ppm	EH	21-DEC-01	6010
			ZN	38050.	ppm	EH	02-JAN-02	6010
L011506-043	02-NOV-01	ELAG-1,0.5-2'	AG	3.8	ppm	EH	21-DEC-01	6010
			AS	18.	ppm	EH	21-DEC-01	6010
			BA	360.	ppm	EH	21-DEC-01	6010
			BI	<5.0	ppm	EH	21-DEC-01	6010
			CD	74.	ppm	EH	21-DEC-01	6010
			CN-	0.13	ppm	DC	08-NOV-01	335.2
			CO	33.	ppm	EH	21-DEC-01	6010
			CR	48.	ppm	EH	21-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

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Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011506-043	02-NOV-01	ELAG-1,0.5-2'	CU	287.*	ppm	EH	21-DEC-01	6010
			HG	1.2	ppm	MO	08-NOV-01	7471
			MN	419.	ppm	EH	21-DEC-01	6010
			MOIST.	23.	%	AKH	08-NOV-01	GRAV
			NI	42.	ppm	EH	21-DEC-01	6010
			PB	412.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	20.	ppm	EH	21-DEC-01	6010
			TL	7.9	ppm	EH	21-DEC-01	6010
			V	23.	ppm	EH	21-DEC-01	6010
			ZN	4094.*	ppm	EH	21-DEC-01	6010
L011506-044	02-NOV-01	ELAG-1,2-2.5'	AG	<2.0	ppm	EH	21-DEC-01	6010
			AS	12.	ppm	EH	21-DEC-01	6010
			CD	53.	ppm	EH	21-DEC-01	6010
			CO	35.	ppm	EH	21-DEC-01	6010
			CR	60.	ppm	EH	21-DEC-01	6010
			CU	279.*	ppm	EH	21-DEC-01	6010
			HG	0.13	ppm	MO	08-NOV-01	7471
			MN	321.	ppm	EH	21-DEC-01	6010
			MOIST.	24.	%	AKH	08-NOV-01	GRAV.
			NI	54.	ppm	EH	21-DEC-01	6010
			PB	271.	ppm	EH	21-DEC-01	6010
			SB	<5.0*	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	15.	ppm	EH	21-DEC-01	6010
			TL	8.7	ppm	EH	21-DEC-01	6010
			ZN	2716.*	ppm	EH	21-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011506

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

* Sb, Cu, & Zn spikes recoveries outside acceptnace limits.
Results may be subject to bias.

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011051

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011051-1		Matrix Spike	AG	118	%Recovery	EH	06-DEC-01	6010
			AS	105	%Recovery	EH	06-DEC-01	6010
			BA	105	%Recovery	EH	06-DEC-01	6010
			BI	103	%Recovery	EH	06-DEC-01	6010
			CD	104	%Recovery	EH	06-DEC-01	6010
			CN-	100	%Recovery	DC	07-NOV-01	335.2
			CO	102	%Recovery	EH	06-DEC-01	6010
			CR	93	%Recovery	EH	06-DEC-01	6010
			CU	139*	%Recovery	EH	06-DEC-01	6010
			HG	SR>4SA	%Recovery	MO	08-NOV-01	7471
			MN	125	%Recovery	EH	06-DEC-01	6010
			NI	106	%Recovery	EH	06-DEC-01	6010
			PB	104	%Recovery	EH	06-DEC-01	6010
			SB	64*	%Recovery	EH	06-DEC-01	6010
			SE	87	%Recovery	EH	06-DEC-01	6010
			SN	106	%Recovery	EH	06-DEC-01	6010
			TL	97	%Recovery	EH	06-DEC-01	6010
			V	115	%Recovery	EH	06-DEC-01	6010
			ZN	SR>4SA	%Recovery	EH	06-DEC-01	6010
WG011051-2		Prep Blank	AG	<2.0	ppm	EH	06-DEC-01	6010
			AS	<5.0	ppm	EH	06-DEC-01	6010
			BA	<5.0	ppm	EH	06-DEC-01	6010
			BI	<5.0	ppm	EH	06-DEC-01	6010
			CD	<1.0	ppm	EH	06-DEC-01	6010
			CN-	<0.05	ppm	DC	07-NOV-01	335.2
			CO	<5.0	ppm	EH	06-DEC-01	6010
			CR	<5.0	ppm	EH	06-DEC-01	6010
			CU	<5.0	ppm	EH	06-DEC-01	6010
			HG	<0.05	ppm	MO	08-NOV-01	7471
			MN	<5.0	ppm	EH	06-DEC-01	6010
			NI	<5.0	ppm	EH	06-DEC-01	6010
			PB	<5.0	ppm	EH	06-DEC-01	6010
			SB	<5.0	ppm	EH	06-DEC-01	6010
			SE	<5.0	ppm	EH	06-DEC-01	6010
			SN	<5.0	ppm	EH	06-DEC-01	6010
			TL	<5.0	ppm	EH	06-DEC-01	6010
			V	<5.0	ppm	EH	06-DEC-01	6010
			ZN	<5.0	ppm	EH	06-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011051

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011051-3		Lab Control Sample	AG	115	%Recovery	EH	06-DEC-01	6010
			AS	104	%Recovery	EH	06-DEC-01	6010
			BA	105	%Recovery	EH	06-DEC-01	6010
			BI	97	%Recovery	EH	06-DEC-01	6010
			CD	102	%Recovery	EH	06-DEC-01	6010
			CN-	97	%Recovery	DC	07-NOV-01	335.2
			CO	102	%Recovery	EH	06-DEC-01	6010
			CR	105	%Recovery	EH	06-DEC-01	6010
			CU	116	%Recovery	EH	06-DEC-01	6010
			HG	98	%Recovery	MO	08-NOV-01	7471
			MN	106	%Recovery	EH	06-DEC-01	6010
			NI	104	%Recovery	EH	06-DEC-01	6010
			PB	103	%Recovery	EH	06-DEC-01	6010
			SB	150**	%Recovery	EH	06-DEC-01	6010
			SE	88.	%Recovery	EH	06-DEC-01	6010
			SN	105	%Recovery	EH	06-DEC-01	6010
			TL	103	%Recovery	EH	06-DEC-01	6010
			V	117	%Recovery	EH	06-DEC-01	6010
			ZN	105	%Recovery	EH	06-DEC-01	6010
WG011051-4		Duplicate	HG	<1	% RPD	MO	08-NOV-01	7471
			MOIST.	<1	% RPD	AKH	08-NOV-01	GRAV.
WG011051-5		Matrix Spike Duplicate	AG	<1	% RPD	EH	06-DEC-01	6010
			AS	<1	% RPD	EH	06-DEC-01	6010
			BA	<1	% RPD	EH	06-DEC-01	6010
			BI	1.5	% RPD	EH	06-DEC-01	6010
			CD	<1	% RPD	EH	06-DEC-01	6010
			CN-	<1	% RPD	DC	07-NOV-01	335.2
			CO	<1	% RPD	EH	06-DEC-01	6010
			CR	1.9	% RPD	EH	06-DEC-01	6010
			CU	<1	% RPD	EH	06-DEC-01	6010
			MN	2	% RPD	EH	06-DEC-01	6010
			NI	6.6	% RPD	EH	06-DEC-01	6010
			PB	<1	% RPD	EH	06-DEC-01	6010
			SB	<1	% RPD	EH	06-DEC-01	6010
			SE	<1	% RPD	EH	06-DEC-01	6010
			SN	<1	% RPD	EH	06-DEC-01	6010
			TL	<1	% RPD	EH	06-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011051

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011051-5		Matrix Spike Duplicate	V	2	% RPD	EH	06-DEC-01	6010
			ZN	<1	% RPD	EH	06-DEC-01	6010
WG011051-6		Reporting Limit	AG	2.0	ppm			6010
			AS	5.0	ppm			6010
			BA	5.0	ppm			6010
			BI	5.0	ppm			6010
			CD	1.0	ppm			6010
			CN-	0.05	ppm			335.2
			CO	5.0	ppm			6010
			CR	5.0	ppm			6010
			CU	5.0	ppm			6010
			HG	0.05	ppm			7471
			MN	5.0	ppm			6010
			NI	5.0	ppm			6010
			PB	5.0	ppm			6010
			SB	5.0	ppm			6010
			SE	5.0	ppm			6010
			SN	5.0	ppm			6010
			TL	5.0	ppm			6010
			V	5.0	ppm			6010
			ZN	5.0	ppm			6010
WG011051-7		Matrix Spike	AG	122	%Recovery	EH	21-DEC-01	6010
			AS	102	%Recovery	EH	21-DEC-01	6010
			BA	99	%Recovery	EH	21-DEC-01	6010
			BI	114	%Recovery	EH	21-DEC-01	6010
			CD	100	%Recovery	EH	21-DEC-01	6010
			CO	103	%Recovery	EH	21-DEC-01	6010
			CR	112	%Recovery	EH	21-DEC-01	6010
			CU	146*	%Recovery	EH	21-DEC-01	6010
			HG	SR>4SA	%Recovery	MO	16-NOV-01	7471
			MN	112	%Recovery	EH	21-DEC-01	6010
			NI	106	%Recovery	EH	21-DEC-01	6010
			PB	108	%Recovery	EH	21-DEC-01	6010
			SB	64*	%Recovery	EH	21-DEC-01	6010
			SE	83	%Recovery	EH	21-DEC-01	6010
			SN	109	%Recovery	EH	21-DEC-01	6010
			TL	97	%Recovery	EH	21-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011051

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011051-7		Matrix Spike	V	115	%Recovery	EH	21-DEC-01	6010
			ZN	173*	%Recovery	EH	21-DEC-01	6010
WG011051-8		Prep Blank	AG	<2.0	ppm	EH	21-DEC-01	6010
			AS	<5.0	ppm	EH	21-DEC-01	6010
			BA	<5.0	ppm	EH	21-DEC-01	6010
			BI	<5.0	ppm	EH	21-DEC-01	6010
			CD	<1.0	ppm	EH	21-DEC-01	6010
			CO	<5.0	ppm	EH	21-DEC-01	6010
			CR	<5.0	ppm	EH	21-DEC-01	6010
			CU	<5.0	ppm	EH	21-DEC-01	6010
			HG	<0.05	ppm	MO	16-NOV-01	7471
			MN	<5.0	ppm	EH	21-DEC-01	6010
			NI	<5.0	ppm	EH	21-DEC-01	6010
			PB	<5.0	ppm	EH	21-DEC-01	6010
			SB	<5.0	ppm	EH	21-DEC-01	6010
			SE	<5.0	ppm	EH	21-DEC-01	6010
			SN	<5.0	ppm	EH	21-DEC-01	6010
			TL	<5.0	ppm	EH	21-DEC-01	6010
			V	<5.0	ppm	EH	21-DEC-01	6010
			ZN	<5.0	ppm	EH	21-DEC-01	6010
WG011051-9		Lab Control Sample	AG	126**	%Recovery	EH	21-DEC-01	6010
			AS	96	%Recovery	EH	21-DEC-01	6010
			BA	103	%Recovery	EH	21-DEC-01	6010
			BI	101	%Recovery	EH	21-DEC-01	6010
			CD	104	%Recovery	EH	21-DEC-01	6010
			CO	104	%Recovery	EH	21-DEC-01	6010
			CR	109	%Recovery	EH	21-DEC-01	6010
			CU	120	%Recovery	EH	21-DEC-01	6010
			HG	87	%Recovery	MO	16-NOV-01	7471
			MN	102	%Recovery	EH	21-DEC-01	6010
			NI	107	%Recovery	EH	21-DEC-01	6010
			PB	103	%Recovery	EH	21-DEC-01	6010
			SB	108	%Recovery	EH	21-DEC-01	6010
			SE	84	%Recovery	EH	21-DEC-01	6010
			SN	105	%Recovery	EH	21-DEC-01	6010
			TL	107	%Recovery	EH	21-DEC-01	6010
			V	117	%Recovery	EH	21-DEC-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011051

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011051-9		Lab Control Sample	ZN	105	%Recovery	EH	21-DEC-01	6010
WG011051-10		Duplicate	AG	2.4	% RPD	EH	21-DEC-01	6010
			AS	1.4	% RPD	EH	21-DEC-01	6010
			BA	2.8	% RPD	EH	21-DEC-01	6010
			BI	<1	% RPD	EH	21-DEC-01	6010
			CD	2.4	% RPD	EH	21-DEC-01	6010
			CO	2.8	% RPD	EH	21-DEC-01	6010
			CR	2.5	% RPD	EH	21-DEC-01	6010
			CU	1.5	% RPD	EH	21-DEC-01	6010
			HG	+/- PRDL	% RPD	MO	08-NOV-01	7471
			MN	2.2	% RPD	EH	21-DEC-01	6010
			NI	2.6	% RPD	EH	21-DEC-01	6010
			PB	2.8	% RPD	EH	21-DEC-01	6010
			SB	9.1	ppm	EH	21-DEC-01	6010
			SE	1.8	% RPD	EH	21-DEC-01	6010
			SN	1.7	% RPD	EH	21-DEC-01	6010
			TL	2.9	% RPD	EH	21-DEC-01	6010
			V	2.6	% RPD	EH	21-DEC-01	6010
			ZN	1.8	% RPD	EH	21-DEC-01	6010

** Antimony and Silver LCS's within acceptance limits.
* Copper,antimony, and zinc spike results outside of control limits. Results may be subject to bias.

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 4

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)			~~Total~~ KOB	Total CN (1 liter poly w/ NaOH)	Remarks	Total
ELag-2, 0-0.5'	S	11/2/01, 8:10			1					Analyze 0-0.5' first	1
ELag-2, 0.5-2'					[HOLD]						1
ELag-2, 2-2.5'											1
ELag-2, 3-3.5'											1
ELag-2, 1-1.5'											1
ELag-2, 1.5-2'											1
ELag-3, 0-0.5'		9:00			1					Analyz 0-0.5' first	1
ELag-3, 0.5-2'					[HOLD]						1
ELag-3, 2-2.5'											1
ELag-3, 2.5-3'											1
ELag-3, 1-1.5'											1
ELag 3, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 12

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact?
Received by: [signature]	Organization: ASARCO	Date 11/6/01	Time 1000	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice.
General note: Selected samples may be analyzed for SPLP - do not discard any samples.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name: CC000643.0001

Project Location: Corpus Christi, TX

Laboratory: ASARCO

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16oz glass w/ Teflon lined lid)			Total Sb, As, Ba, Be, Cd, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (0.5-liter poly w/ HNO3)	Total Cyanide (1-liter poly w/ NaOH)	Remarks	Total
E Lag-4, 0-0.5'	S	11/2/01 9:50			1					Analyze 0-0.5' first	1
ELag-4 DUP, 0-0.5'					1					Analyze 0-0.5' first	1
ELag-4, 0.5-2'					[HOLD]						1
ELag-4, 2-2.5'											1
ELag-4, 2.5-3'											1
ELag-4, 1-1.5'											1
ELag-4, 1.5-2'											1
Equipment Blank-1	L	10:30						1	1	Analyze	2
ELag-5, 0-0.5'	S	10:45			1					Analyze 0-0.5' first	1
ELag-5, 0.5-2'					[HOLD]						1
ELag-5, 2-2.5'											1
ELag-5, 1-1.5'											1
ELag-5, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 14

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact?	
Received by: [illegible]	Organization: ASARCO	Date 11/6/01	Time 1000	(Yes) No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks: Normal turnaround. Samples shipped in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ARCADIS ERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 3 of 4

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)					Remarks	Total
ELag-6, 0-0.5'	S	11/2/01 11:20			1					Analyze 0-0.5' first	1
ELag-6, 0.5-2'					[HOLD]						1
ELag-6, 2-2.5'											1
ELag-6, 3-3.5'											1
ELag-6, 1-1.5'											1
ELag-6, 1.5-2'											1
ELag-7, 0-0.5'		12:05			1					Analyze 0-0.5' first	1
ELag-7, 0.5-2'					[HOLD]						1
ELag-7, 2-2.5'											1
ELag-7, 1-1.5'											1
ELag-7, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact? Yes No N/A
Received by: [illegible]	Organization: ASARCO	Date 11/6/01	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)			Total Sb, As, Ba, Be, Cd, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (1 liter poly w/HNO3)	Total Cyanide (1-liter poly w/NaOH)	Remarks	Total
ELag-8, 0-0.5'	S	11/2/01 13:50			1					Analyze 0-0.5' first	1
ELag-8, DUP, 0-0.5'					1					Analyze 0-0.5' first	1
ELag-8, 0.5-2'					[HOLD]						1
ELag-8, 2-2.5'											1
ELag-8, 1-1.5'											1
ELag-8, 1.5-2'											1
Equipment Blank-2	L	14:10						1	1	Analyze	2
ELag-1, 0-0.5'	S	15:00			1					Analyze 0-0.5' first	1
ELag-1, 0.5-2'					[HOLD]						1
ELag-1, 2-2.5'											1
ELag-1, 1-1.5'											1
ELag-1, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 13

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact?	
Received by: Mortensen	Organization: ASARCO	Date 11/6/01	Time 1000	Yes No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO

December 18, 2001

Mr. Ken Brandner
Arcadis Geraghty & Miller

Attached are the analytical results and quality control data for (2), two water samples collected on November 02, 2001, in association with the Encycle Project # CC 000643.0001 and received by the laboratory on November 06, 2001.

The samples were digested in accordance with EPA methods 3010 and 6020M for ICP and ICP-MS analyses respectively.

If you need further information, please call me at (801) 263 5266.

Sincerely,

Adil Harami
Senior Chemist

Attach.

cc: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011507

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L011507-001	02-NOV-01	EQUIP BLANK-1	AG	<0.005	ppm	EH	29-NOV-01	6010
			AS	<0.005	ppm	MF	03-DEC-01	6020M
			BA	<0.050	ppm	EH	29-NOV-01	6010
			BI	<0.050	ppm	EH	29-NOV-01	6010
			CD	<0.010	ppm	EH	29-NOV-01	6010
			CN-	<0.004	ppm	DC	08-NOV-01	335.2
			CO	<0.050	ppm	EH	29-NOV-01	6010
			CR	<0.010	ppm	EH	29-NOV-01	6010
			CU	<0.050	ppm	EH	29-NOV-01	6010
			HG	<0.0005	ppm	MO	12-NOV-01	7470
			MN	<0.015	ppm	EH	29-NOV-01	6010
			NI	<0.050	ppm	EH	29-NOV-01	6010
			PB	<0.050	ppm	EH	29-NOV-01	6010
			SB	<0.050	ppm	MF	03-DEC-01	6020M
			SE	<0.010	ppm	MF	03-DEC-01	6020M
			SN	<0.050	ppm	EH	29-NOV-01	6010
			TL	<0.002	ppm	MF	03-DEC-01	6020M
			V	<0.050	ppm	EH	29-NOV-01	6010
			ZN	<0.050	ppm	EH	29-NOV-01	6010
L011507-002	02-NOV-01	EQUIP BLANK-2	AG	<0.005	ppm	EH	29-NOV-01	6010
			AS	<0.005	ppm	MF	03-DEC-01	6020M
			BA	<0.050	ppm	EH	29-NOV-01	6010
			BI	<0.050	ppm	EH	29-NOV-01	6010
			CD	<0.010	ppm	EH	29-NOV-01	6010
			CN-	<0.004	ppm	DC	08-NOV-01	335.2
			CO	<0.050	ppm	EH	29-NOV-01	6010
			CR	<0.010	ppm	EH	29-NOV-01	6010
			CU	<0.050	ppm	EH	29-NOV-01	6010
			HG	<0.0005	ppm	MO	12-NOV-01	7470
			MN	<0.015	ppm	EH	29-NOV-01	6010
			NI	<0.050	ppm	EH	29-NOV-01	6010
			PB	<0.050	ppm	EH	29-NOV-01	6010
			SB	<0.050	ppm	MF	03-DEC-01	6020M
			SE	<0.010	ppm	MF	03-DEC-01	6020M
			SN	<0.050	ppm	EH	29-NOV-01	6010
			TL	<0.002	ppm	MF	03-DEC-01	6020M
			V	<0.050	ppm	EH	29-NOV-01	6010
			ZN	<0.050	ppm	EH	29-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L011507

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011052

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011052-1		Matrix Spike	AG	91	%Recovery	EH	29-NOV-01	6010
			AS	92	%Recovery	MF	03-DEC-01	6020M
			BA	95	%Recovery	EH	29-NOV-01	6010
			BI	94	%Recovery	EH	29-NOV-01	6010
			CD	94	%Recovery	EH	29-NOV-01	6010
			CN-	100	%Recovery	DC	08-NOV-01	335.2
			CO	93	%Recovery	EH	29-NOV-01	6010
			CR	96	%Recovery	EH	29-NOV-01	6010
			CU	101	%Recovery	EH	29-NOV-01	6010
			HG	102	%Recovery	MO	12-NOV-01	7470
			MN	100	%Recovery	EH	29-NOV-01	6010
			NI	95	%Recovery	EH	29-NOV-01	6010
			PB	94	%Recovery	EH	29-NOV-01	6010
			SB	112	%Recovery	MF	03-DEC-01	6020M
			SE	80	%Recovery	MF	03-DEC-01	6020M
			SN	96	%Recovery	EH	29-NOV-01	6010
			TL	107	%Recovery	MF	03-DEC-01	6020M
			V	97	%Recovery	EH	29-NOV-01	6010
			ZN	92	%Recovery	EH	29-NOV-01	6010
WG011052-2		Prep Blank	AG	<0.005	ppm	EH	29-NOV-01	6010
			AS	<0.050	ppm	MF	03-DEC-01	6020M
			BA	<0.050	ppm	EH	29-NOV-01	6010
			BI	<0.050	ppm	EH	29-NOV-01	6010
			CD	<0.010	ppm	EH	29-NOV-01	6010
			CN-	<0.004	ppm	DC	08-NOV-01	335.2
			CO	<0.050	ppm	EH	29-NOV-01	6010
			CR	<0.010	ppm	EH	29-NOV-01	6010
			CU	<0.050	ppm	EH	29-NOV-01	6010
			HG	<0.0005	ppm	MO	12-NOV-01	7470
			MN	<0.015	ppm	EH	29-NOV-01	6010
			NI	<0.050	ppm	EH	29-NOV-01	6010
			PB	<0.050	ppm	EH	29-NOV-01	6010
			SB	<0.050	ppm	MF	03-DEC-01	6020M
			SE	<0.010	ppm	MF	03-DEC-01	6020M
			SN	<0.050	ppm	EH	29-NOV-01	6010
			TL	<0.002	ppm	MF	03-DEC-01	6020M
			V	<0.050	ppm	EH	29-NOV-01	6010
			ZN	<0.050	ppm	EH	29-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011052

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011052-3		Lab Control Sample	AG	101	%Recovery	EH	29-NOV-01	6010
			AS	96	%Recovery	MF	03-DEC-01	6020M
			BA	102	%Recovery	EH	29-NOV-01	6010
			BI	97	%Recovery	EH	29-NOV-01	6010
			CD	97	%Recovery	EH	29-NOV-01	6010
			CN-	76	%Recovery	DC	08-NOV-01	335.2
			CO	98	%Recovery	EH	29-NOV-01	6010
			CR	101	%Recovery	EH	29-NOV-01	6010
			CU	106	%Recovery	EH	29-NOV-01	6010
			HG	104	%Recovery	MO	12-NOV-01	7470
			MN	101	%Recovery	EH	29-NOV-01	6010
			NI	99	%Recovery	EH	29-NOV-01	6010
			PB	98	%Recovery	EH	29-NOV-01	6010
			SB	95	%Recovery	MF	03-DEC-01	6020M
			SE	88	%Recovery	MF	03-DEC-01	6020M
			SN	102	%Recovery	EH	29-NOV-01	6010
			TL	85	%Recovery	MF	03-DEC-01	6020M
			V	102	%Recovery	EH	29-NOV-01	6010
			ZN	94	%Recovery	EH	29-NOV-01	6010
WG011052-5		Matrix Spike Duplicate	AG	2.2	% RPD	EH	29-NOV-01	6010
			AS	<1	% RPD	MF	03-DEC-01	6020M
			BA	3.2	% RPD	EH	29-NOV-01	6010
			BI	1.9	% RPD	EH	29-NOV-01	6010
			CD	2.1	% RPD	EH	29-NOV-01	6010
			CN-	<1	% RPD	DC	08-NOV-01	335.2
			CO	3.6	% RPD	EH	29-NOV-01	6010
			CR	4.1	% RPD	EH	29-NOV-01	6010
			CU	4.3	% RPD	EH	29-NOV-01	6010
			HG	<1	% RPD	MO	12-NOV-01	7470
			MN	1.4	% RPD	EH	29-NOV-01	6010
			NI	3.3	% RPD	EH	29-NOV-01	6010
			PB	4.9	% RPD	EH	29-NOV-01	6010
			SB	4	% RPD	MF	03-DEC-01	6020M
			SE	1.3	% RPD	MF	03-DEC-01	6020M
			SN	1.8	% RPD	EH	29-NOV-01	6010
			TL	5.4	% RPD	MF	03-DEC-01	6020M
			V	3.7	% RPD	EH	29-NOV-01	6010
			ZN	13	% RPD	EH	29-NOV-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG011052

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG011052-6		Reporting Limit	AG	0.005	ppm			6010
			AS	0.005	ppm			6020M
			BA	0.050	ppm			6010
			BI	0.050	ppm			6010
			CD	0.010	ppm			6010
			CN-	0.004	ppm			335.2
			CO	0.050	ppm			6010
			CR	0.010	ppm			6010
			CU	0.050	ppm			6010
			HG	0.0005	ppm			7470
			MN	0.015	ppm			6010
			NI	0.050	ppm			6010
			PB	0.050	ppm			6010
			SB	0.050	ppm			6020M
			SE	0.010	ppm			6020M
			SN	0.050	ppm			6010
			TL	0.002	ppm			6020M
			V	0.050	ppm			6010
			ZN	0.050	ppm			6010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ARCADIS [redacted]RAGHTY & MILLER Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page 1 of 4

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cs, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)			~~Total~~ KOB	Total CN (1 liter poly w/NaOH)	Remarks	Total
ELag-2, 0-0.5'	S	11/2/01, 8:10			1					Analyze 0-0.5' first	1
ELag-2, 0.5-2'					[HOLD]						1
ELag-2, 2-2.5'											1
ELag-2, 3-3.5'											1
ELag-2, 1-1.5'											1
ELag-2, 1.5-2'											1
ELag-3, 0-0.5'		9:00			1					Analyz 0-0.5' first	1
ELag-3, 0.5-2'					[HOLD]						1
ELag-3, 2-2.5'											1
ELag-3, 2.5-3'											1
ELag-3, 1-1.5'											1
ELag 3, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 12

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact?
Received by: [signature]	Organization: ASARCO	Date 11/6/01	Time 1000	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice.
General note: Selected samples may be analyzed for SPLP - do not discard any samples.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-0597

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 4

Project Number/Name: CC000643.0001

Project Location: Chapel Christi, TX

Laboratory: ASARCO

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16oz glass w/ Teflon-lined lid)			Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (0.5-liter poly w/ HNO3)	Total Cyanide (1-liter poly w/ NaOH)	Remarks	Total
ELag-4, 0-0.5'	S	11/2/01 9:50			1					Analyze 0-0.5' first	1
ELag-4 DUP, 0-0.5'					1					Analyze 0-0.5' first	1
ELag-4, 0.5-2'					[HOLD]						1
ELag-4, 2-2.5'											1
ELag-4, 2.5-3'											1
ELag-4, 1-1.5'											1
ELag-4, 1.5-2'											1
Equipment Blank-1	L	10:30						1	1	Analyze	2
ELag-5, 0-0.5'	S	10:45			1					Analyze 0-0.5' first	1
ELag-5, 0.5-2'					[HOLD]						1
ELag-5, 2-2.5'											1
ELag-5, 1-1.5'											1
ELag-5, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 14

Relinquished by: Kenneth Brandner Organization: ARCADIS Date 11/5/01 Time PM

Received by: J Hortensen Organization: ASARCO Date 11/6/01 Time 1000

Seal Intact? (Yes) No N/A

Relinquished by: _____ Organization: _____ Date / / Time _____

Received by: _____ Organization: _____ Date / / Time _____

Seal Intact? Yes No N/A

Special Instructions/Remarks: Normal turnaround. Samples shipped in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05 0507

ARCADIS GERAGHTY & MILLER Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page 3 of 4

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)					Remarks	Total
ELag-6, 0-0.5'	S	11/2/01 11:20			1					Analyze 0-0.5' first	1
ELag-6, 0.5-2'					[HOLD]						1
ELag-6, 2-2.5'											1
ELag-6, 3-3.5'											1
ELag-6, 1-1.5'											1
ELag-6, 1.5-2'											1
ELag-7, 0-0.5'		12:05			1					Analyze 0-0.5' first	1
ELag-7, 0.5-2'					[HOLD]						1
ELag-7, 2-2.5'											1
ELag-7, 1-1.5'											1
ELag-7, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact? Yes No N/A
Received by: J Mortensen	Organization: ASARCO	Date 11/6/01	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ARCADIS RAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Corpus Christi, TX

Laboratory ASARCO

Project Manager Ken Brandner

Sampler(s)/Affiliation Ken Brandner / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, CN, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn	TCLP Sb, As, Ba, Cd, Cr, Pb, Hg, Ni, Se, Ag, Tl, V, Zn (16 oz. glass w/ Teflon-lined lid)			Total Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Tl, Sn, V, Zn (1-liter poly w/HNO3)	Total Cyanide (1-liter poly w/NaOH)	Remarks	Total
ELag-8, 0-0.5'	S	11/2/01 13:50			1					Analyze 0-0.5' first	1
ELag-8, DUP, 0-0.5'					1					Analyze 0-0.5' first	1
ELag-8, 0.5-2'					[HOLD]						1
ELag-8, 2-2.5'											1
ELag-8, 1-1.5'											1
ELag-8, 1.5-2'											1
Equipment Blank-2	L	14:10						1	1	Analyze	2
ELag-1, 0-0.5'	S	15:00			1					Analyze 0-0.5' first	1
ELag-1, 0.5-2'					[HOLD]						1
ELag-1, 2-2.5'											1
ELag-1, 1-1.5'											1
ELag-1, 1.5-2'											1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 13

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 11/5/01	Time PM	Seal Intact? Yes No N/A
Received by: Mortensen	Organization: ASARCO	Date 11/6/01	Time 1000	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Samples delivered in cooler with ice.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ASARCO

January 31, 2002

Mr. Ken Brandner
Arcadis Geraghty & Miller

Attached are the analytical results and quality control data for (6), six soil samples resubmitted to the laboratory from a group of samples collected on November 2, 2001, in association with the Encycle/Texas soils project and received on November 6, 2001.morning.

The samples were digested in accordance with EPA method 3050, and analyzed using an ICP spectrometer.

If you need further information, please call me at (801) 263 5266.

Sincerely,

Adil Harami
Senior Chemist

Attach.

cc: GRStanga (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L020036

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L020036-001	02-NOV-01	ELAG-2 (3-3.5')	CR	14.	ppm	EH	29-JAN-02	6010
			TL	1.0	ppm	MJF	01-FEB-02	6020
L020036-002	02-NOV-01	ELAG-3 (2.5-3')	TL	<1.0	ppm	MJF	01-FEB-02	6020
L020036-003	02-NOV-01	ELAG-4 (2.5-3')	CR	14.	ppm	EH	29-JAN-02	6010
			CU	6.9	ppm	EH	29-JAN-02	6010
			TL	<1.0	ppm	MJF	01-FEB-02	6020
L020036-004	02-NOV-01	ELAG-6 (3-3.5')	TL	6.0	ppm	MJF	01-FEB-02	6020
L020036-005	02-NOV-01	ELAG-1 (1-1.5')	CD	66.	ppm	EH	29-JAN-02	6010
			PB	280.	ppm	EH	29-JAN-02	6010
L020036-006	02-NOV-01	ELAG-1 (1.5-2')	CD	24.	ppm	EH	29-JAN-02	6010
			PB	125.	ppm	EH	29-JAN-02	6010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG020070

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG020070-1		Matrix Spike	CD	97	%Recovery	EH	29-JAN-02	6010
			CR	99	%Recovery	EH	29-JAN-02	6010
			CU	116	%Recovery	EH	29-JAN-02	6010
			PB	98	%Recovery	EH	29-JAN-02	6010
			TL	95	%Recovery	MJF	01-FEB-02	6020
WG020070-2		Prep Blank	CD	<1.0	ppm	EH	29-JAN-02	6010
			CR	<1.0	ppm	EH	29-JAN-02	6010
			CU	<5.0	ppm	EH	29-JAN-02	6010
			PB	<5.0	ppm	EH	29-JAN-02	6010
			TL	<1.0	ppm	MJF	01-FEB-02	6020
WG020070-3		Lab Control Sample	CD	97	%Recovery	EH	29-JAN-02	6010
			CR	102	%Recovery	EH	29-JAN-02	6010
			CU	113	%Recovery	EH	29-JAN-02	6010
			PB	99	%Recovery	EH	29-JAN-02	6010
			TL	109	%Recovery	MJF	01-FEB-02	6020
WG020070-5		Matrix Spike Duplicate	CD	1.4	% RPD	EH	29-JAN-02	6010
			CR	2.6	% RPD	EH	29-JAN-02	6010
			CU	9.9	% RPD	EH	29-JAN-02	6010
			PB	<1	% RPD	EH	29-JAN-02	6010
			TL	<1	% RPD	MJF	01-FEB-02	6020
WG020070-6		Reporting Limit	CD	1.0	ppm			6010
			CR	1.0	ppm			6010
			CU	5.0	ppm			6010
			PB	5.0	ppm			6010
			TL	1.0	ppm			6020

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

FEB 1 1 2002

ASARCO

February 07, 2002

Mr. Ken Bradner
ARCADIS Geraghty & Miller
711 North Carancahua
Suite 1700
Corpus Christi, TX 78475

Dear Sir:

Pursuant to your request please find attached the analytical results for five samples from our archives that were resubmitted for analysis. The samples were collected on November 02, 2001 and received by the laboratory on November 06, 2001.

Samples were handled and analyzed in accordance with EPA method 1312 Synthetic Precipitation Leaching procedure (SPLP). Please note that due to insufficient sample volume our lab number L020050-005 was extracted from a mass less than the prescribed 100 grams (66 grams).

Please call me at (801) 263-5270 if you have any questions or comments regarding these results.

Sincerely,

Vince Keller

for

Duane Coble
Environmental Laboratory
Tech.

cc: GRStanga (w/attach.)

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ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: L020050

LAB NO	DATE COLLECTED	DESCRIPTION		PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L020050-001	02-NOV-01	ELAG-2,0.5-2	(SPLP)	CD	.17	ppm	EH	04-FEB-02	6010
L020050-002	02-NOV-01	ELAG-7, 0-0.5	(SPLP)	PB	<.10	ppm	EH	04-FEB-02	6010
L020050-003	02-NOV-01	ELAG-8, 0-0.5	(SPLP)	CD	<.05	ppm	EH	04-FEB-02	6010
L020050-004	02-NOV-01	ELAG-8, 0-0.5 DUP	(SPLP)	PB	<.10	ppm	EH	04-FEB-02	6010
L020050-005	02-NOV-01	ELAG-1, 0.5-2.0	(SPLP)	CD	<.05	ppm	EH	04-FEB-02	6010
				PB	<.10	ppm	EH	04-FEB-02	6010

DIGESTION-3010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

Technical Services (Project 8201)

Batch No: WG020073

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG020073-1		Matrix Spike	CD	91	%Recovery	EH	04-FEB-02	6010
			PB	93	%Recovery	EH	04-FEB-02	6010
WG020073-2		Prep Blank	CD	<.05	ppm	EH	04-FEB-02	6010
			PB	<.10	ppm	EH	04-FEB-02	6010
WG020073-3		Lab Control Sample	CD	97	%Recovery	EH	04-FEB-02	6010
			PB	97	%Recovery	EH	04-FEB-02	6010
WG020073-5		Matrix Spike Duplicate	CD	3.3	% RPD	EH	04-FEB-02	6010
			PB	1.9	% RPD	EH	04-FEB-02	6010
WG020073-6		Reporting Limit	CD	.05	ppm	EH	04-FEB-02	6010
			PB	.10	ppm	EH	04-FEB-02	6010

Unless otherwise noted results are not blank corrected.

Approved

Reviewer

Appendix O

ARCADIS

Appendix O

Laboratory Report – East Lagoon Cattails

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Arcadis Geraghty & Miller, Inc.
Attn: Ken Brandner
Address: 711 N. Carancahua Suite 1700
Corpus Christi, TX 78475-1801

Phone: (361) 883-1353 **FAX:** (361) 883-7565

Report#/Lab ID#: 270102 **Report Date:** 01/23/04
Project ID: Encycle, CC TX
Sample Name: East Lagoon Vegetation
Sample Matrix: other
Date Received: 01/14/2004 **Time:** 12:15
Date Sampled: 01/14/2004 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Metals Dig.-HNO3/TCLP	---	---	---	---	01/21/04	3005a	---	---	---	---	---
TCLP extraction-ABN/metals	---	---	---	---	01/15/04	1311	---	---	---	---	---
TCLP-Antimony/ICP	<0.5	mg/L	0.5	<0.5	01/21/04	6010 & 200.7	---	5.63	87.71	101.46	90.88
TCLP-Arsenic/ICP	<0.5	mg/L	0.5	<0.5	01/21/04	6010 & 200.7	---	1.03	93.86	97.13	99.52
TCLP-Barium/ICP	<5	mg/L	5	<5	01/21/04	6010 & 200.7	---	0.68	92.67	101.92	94.8
TCLP-Cadmium/ICP	<0.1	mg/L	0.1	<0.1	01/21/04	6010 & 200.7	---	0.57	91.03	99.3	93.32
TCLP-Chromium/ICP	<0.5	mg/L	0.5	<0.5	01/21/04	6010 & 200.7	---	0.49	88.74	101.16	105.16
TCLP-Lead/ICP	<0.2	mg/L	0.2	<0.2	01/21/04	6010 & 200.7	---	1.09	90.32	98.68	93.92
TCLP-Nickel/ICP	<1	mg/L	1	<1	01/21/04	6010 & 200.7	---	0.77	115.78	98.52	93.68
TCLP-Selenium/ICP	<0.1	mg/L	0.1	<0.1	01/21/04	6010 & 200.7	---	1.6	92.52	98.28	93.96
TCLP-Silver/ICP	<0.5	mg/L	0.5	<0.5	01/21/04	6010 & 200.7	---	0.42	90.93	99.82	92.16
TCLP-Thallium/ICP	<1	mg/L	1	<1	01/21/04	6010 & 200.7	---	1.15	92.11	97.14	93.49
TCLP-Vanadium/ICP	<1	mg/L	1	<1	01/21/04	6010 & 200.7	---	0.27	119.3	99.16	94.76
TCLP-Zinc/ICP	0.175	mg/L	0.1	<0.1	01/21/04	6010 & 200.7	---	0.56	92.6	101.68	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle

Project Location: Corpus Christi, TX

Laboratory: Analysys

Project Manager: Ken Brandner

Sampler(s)/Affiliation: AGarcia/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	TCLP Sb, As, Ba, Cd, Cr, Pb, Ni, Se, Ag, Tl, V, Zn (2 16 oz wide mouth glass w/Teflon lined lid)						Remarks	Total
East Lagoon Vegetation	S	1/14/04 12:00	270102	2							2

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 2

Relinquished by: [signature]	Organization: ARCADIS	Date 01/14/2004	Time 12:15	Seal Intact?	
Received by: L Bowman	Organization: ASI	Date 1/14/04	Time 1215	Yes No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by: L. Flynn	Organization: ASI	Date 1/15/04	Time 0830	Yes No N/A	

Special Instructions/Remarks: Normal Turnaround. Results to Ken Brandner and Rich Marcus. Invoice to Rich Marcus of Encycle. Samples delivered in cooler w/ ice T: 5.5°C

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

Appendix P

ARCADIS

Appendix P

Manfests for East Lagoon Cattails

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7497

274643

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 625871 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262581
B. State Generator's ID 30003
C. State Transporter's ID 85869
D. Transporter's Phone (361) 387-7417
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID 30052
H. Facility's Phone (361) 387-2318

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	CY
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above
TRACKING NUMBER
TACOWN 46804

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Date: Month 03 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Date: Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Orlando Luna | Signature: Orlando Luna | Date: Month 03 Day 30 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W0#7432

25006

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008171785
Manifest Document No. 02584

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262584

B. State Generator's ID: 30003 83869

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID:

D. Transporter's Phone: (361) 387-7447

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 30052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~2000~~ 10	P LB	00134071
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
PACKAGING CERTIFICATION
TXD 987 019 261 ROBSTOWN 3280 lbs
Box 75006

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DANNY CHAPA
Signature: Danny Chapa
Date: Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02)

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ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7463

274696

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62585

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262585

B. State Generator's ID 30003

5. Transporter 1 Company Name
ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7347

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~10~~ 18	CY	D043 D009 H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TRANSFER STATION
1000 WASHINGTON ST
1000 W. 7060 H

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 30 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY DIAZ
Signature: Jerry Diaz
Date: Month Day Year 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per: Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year 03 30 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7493

25-221

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD061171185 Manifest Document No. 62586

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262586
B. State Generator's ID 30003 85869
C. State Transporter's ID
D. Transporter's Phone (361) 387-7747
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID 50052
H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name
ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	0011409H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TEXAS WASTE ID 10-1-556 TEXAS WT 32010 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Date: Month 03 Day 30 Year 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: DANNY CHAPA — Signature: Danny Chapa — Date: Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Date: Month 03 Day 30 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

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ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#7394

R28145RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 8262587

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262587
B. State Generator's ID: 30003
C. State Transporter's ID: 85269
D. Transporter's Phone: (361) 387-2747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 561-1338

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 ~~10~~	wdr ~~04~~	
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: TAGGON/SEGRATION TRACKING NUMBER 2020 #

K. Handling Codes for Wastes Listed Above: 1 [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 26 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Buster Pritchett — Signature: Buster Pritchett — Month Day Year: 03 26 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus SDL 3/26/04

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 26 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
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P.O. Box 13087
Austin, Texas 78711-3087

WO #7395

R2612RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD068117185
Manifest Document No. 02388

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262588
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7147
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~lbs~~ 10	~~P~~ CY	0013109H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TCEQ WS# 0325476 Manifest # 02588

K. Handling Codes for Wastes Listed Above
H135

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 26 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: DON NELSON — Signature: Don Nelson — Month Day Year: 03 26 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per C. Marcus ssd 3/26/04

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 26 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
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W.O. 7431

25-230

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262589
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 55869
D. Transporter's Phone: (361) 887-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~10~~	P CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON VEGETATION
EPA WASTE NO. F039 TOTAL 3,280#

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: DON NELSON | Signature: Don Nelson | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: Orlando Luna | Signature: Orlando Luna | Month Day Year: 03 29 04

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Appendix Q

Appendix Q

Manifests for East Lagoon Sediment and Affected Clay Bottom Soils

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7381

25-006

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 02477

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

5. Transporter 1 Company Name | 6. US EPA ID Number

7. Transporter 2 Company Name: Environmental Evolutions Holdings LTD | 8. US EPA ID Number: TXR000029728

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380 | 10. US EPA ID Number: TXD069452340

A. State Manifest Document Number: 3262477
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: 361.387.7747
E. State Transporter's ID:
F. Facility's Phone: (361) 387-3518
G. State Facility's ID: 50052
H. Facility's Phone:

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECOW/8[illegible] 901-3907 TECOW 215-9720

K. Handling Codes for Wastes Listed Above
1132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature | Month 03 Day 25 Year 04

GENERATOR

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: DON NELSON | Signature | Month 03 Day 26 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: Orlando Luna | Signature | Month 03 Day 26 Year 04

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WO#7417

274659

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62478

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
~~ENCYCLE/TEXAS~~
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262478
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000002972 8
C. State Transporter's ID: 85563
D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 19	P LB	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TRACTOR TRANSFER MATERIAL
TRCOWT 39-00-800 TRCOWT 36460#

K. Handling Codes for Wastes Listed Above
7739

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: MARIO RENDON | Signature: Mario Rendon | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
pll R Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

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TEXAS COMMISSION ON
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P.O. Box 13087
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W.O. 7482

THE STATE OF TEXAS

274280

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62479

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262479

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~16~~ 19	~~CY~~ CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WS# [illegible] TECO WT 385004

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: DANNY CHAPA — Signature: Danny Chapa — Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month Day Year: 03 30 04

GENERATOR — TRANSPORTER — FACILITY

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P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7483

274909

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 6248 0 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262480
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 55569
D. Transporter's Phone: 361-387-7247

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	46 18	P CY	S 0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL TSCO YS/09-19-5310 TXD991 391880
K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 03 Day 30 Year 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Ramiro Rodriguez | Signature | Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: Orlando Luna | Signature: Orlando Luna | Month 03 Day 30 Year 04

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Austin, Texas 78711-3087

WO#7474

25-011

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 68481

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262481

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 55869

D. Transporter's Phone 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 21000	P LB	D001
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCO WS#10-04-0300 TCO WO# 39 10 80 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 30 04

GENERATOR

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: SERGIO DIAZ | Signature | Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month Day Year: 03 30 04

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WQ#7469

25-009

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 02482 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262482
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000002972 8
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7247

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	*RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 16	P CY	00213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON SLUDGE/LINER MATERIAL
TPCOWS/[illegible] TPCOW[illegible]

K. Handling Codes for Wastes Listed Above
7/13

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: [signature] | Month Day Year: 03 30 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Buster Pitchett | Signature: [signature] | Date: Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: [signature] | Date: Month Day Year: 03 30 04

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WO# 7468

274620

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62483

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262483

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 5869

D. Transporter's Phone: 361-387-7797

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	~~P~~ CY	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT FABRIC
DECONTAMINATED
34120 #
18 yds

K. Handling Codes for Wastes Listed Above
H32

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 30 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Date: Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month Day Year: 03 30 04

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WO#7459

274680

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 3262484 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262484
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 25869
D. Transporter's Phone: 361-387-9747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	19	P	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL TCEQ WS#19044-01 TCEQ WS#19510 #

K. Handling Codes for Wastes Listed Above: 1/139

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 30 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Ramiro Rodriguez | Signature: Ramiro Rodriguez | Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space: SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Per: Richard Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 30 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7451

R2612RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62485

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262485
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~16~~	P CY	00Z1302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TACOON CLEANOUT MATERIAL
TECO WT 72 MS 3340 TECO WT 4629 40 #

K. Handling Codes for Wastes Listed Above
M32

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: JERRY DIAZ — Signature: Jerry D — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 30 04

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7454

274902

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 02486 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262486
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000002972 8
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7797

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	00213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON TANKOUT MATERIAL TCOW# [illegible] 1500 YD 396000 #
K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Buster Pitchott | Signature: Buster Pitchott | Date: 03 29 04
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date

FACILITY
19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY 3/30/04 per R. Marcus
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: 03 30 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#7461

214041

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62487

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262487
B. State Generator's ID 30003
C. State Transporter's ID 85869
D. Transporter's Phone 361-387-7947
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID 50052
H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
BORSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	CU	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
[illegible] 41320

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DANNY CHAPA
Signature: Danny Chapa
Date: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: 03 30 04

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02)

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WA# 7452

R2516RT

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62488

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262488

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~16~~	~~P~~ W	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WS# 09-004-8340 TECO WT 11,740

K. Handling Codes for Wastes Listed Above
1132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Date: Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month Day Year: 03 30 04

GENERATOR

TRANSPORTER

FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#7458

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25-234 mL

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. TXD008117185	Manifest Document No. 3262489	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262489
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	~~P~~ Y	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON GRANOUT MATERIAL
TECOWN [illegible] TECOWT 34520 [illegible]

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name	Signature	Month Day Year
RICHARD MARCUS	Richard Marcus	03 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
DON NELSON	Don Nelson	03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
SANDRA DAY	Sandra Day	03 30 04

GENERATOR

TRANSPORTER

FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7445

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262490

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 55669

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	19 0 16	Y CY	0021302H
	b.					
	c.					
	d.					

I. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECOWY 0 [illegible] TECOWY 31.00

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space: SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Per: Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: Orlando Luna | Signature: Orlando Luna | Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7443

274675

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 3262491 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262491
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 55869
D. Transporter's Phone: 361-387-9747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 He	P CY	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: IN CLEANOUT MATERIAL TXD WS# 19-109-3 ID CODE 32-28-54
K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: DON NELSON | Signature: Don Nel | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per: Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 7557

274641

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 00174

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262494

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

GENERATOR

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	State Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	8021302H
	b.			19 cd		
	c.					
	d.					

I. Additional Descriptions for Materials Listed Above
TACOMA CLEANOUT MATERIAL
TECO WS/ 12-104-380 TECO WI 38080 #

J. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY DIAZ | Signature: Jerry G | Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year 04/01/04

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TEXAS COMMISSION ON
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Austin, Texas 78711-3087

WQ#7541

274450

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 6 2495

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262495

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7717

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	002130211
	b.			21	ad	
	c.					
	d.					

GENERATOR

I. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WT [illegible] TECO WT 41100 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 3 31 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Jaime GARZA — Signature: Jaime Garza — Month Day Year: 3 31 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT
VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: SANDRA Day — Signature: Sandra Day — Month Day Year: 03 31 04

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Austin, Texas 78711-3087

WQ#7537

R2612 RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62496

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262496

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~16~~ 22	~~R~~ CY sal	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT. 471080 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY Dix | Signature: Jerry D | Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT per
VOLUME DISCREPANCY R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 03 Day 31 Year 04

GENERATOR

TRANSPORTER

FACILITY

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Austin, Texas 78711-3087

WO#7534

274319

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 00497

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262497

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 55869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	46	CY	P 0021302H
	b.			18	sol	
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WS# D 93280 TCEQ WI 97534

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
pl
L. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 03 Day 31 Year 04

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ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7536

(274811)

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 3262498

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262498

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 5869

D. Transporter's Phone: 361-387-7947

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.			22	ssd	
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON GLANOLT MATERIAL
TCEQ WS-13-M-4340 TCEQ WI 429804

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 3 31 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leo Rodriguez
Signature: Leo Rodriguez
Date: Month Day Year: 3 31 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Orlando Luna
Signature: Orlando Luna
Date: Month Day Year: 03 31 04

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WO #7533

274170

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 0099

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262499

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85669

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 30052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 20 DIL	P CY	[illegible]0213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LACQUER PAINT MATERIAL
[illegible] 1000 WT 37962 A

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARIO RENDON
Signature: Mario Rendon
Date: Month 3 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Per Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year 03 31 04

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25-234 ML

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62500

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262500

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 53569

D. Transporter's Phone 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20 ~~10~~	R CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
LDCWS/DANE-310 LDCWS 542204

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Date: Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT
VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 03 Day 13 Year 04

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
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WO#7523

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 02501

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262501

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 15889

D. Transporter's Phone 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (512) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	D021302H
	b.			22 000		
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON FLUANOID MATERIAL
(DROWN DISPOSAL) FROM 2/20-4

K. Handling Codes for Wastes Listed Above
H13

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month 3 Day 31 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jaime GARZA
Signature: Jaime Garza
Date: Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month 03 Day 31 Year 04

GENERATOR
TRANSPORTER
FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO #7524

R 25228 RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62502

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262502

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 65869

D. Transporter's Phone: 361-387-2147

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 28	CY	00213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL TECO WS# 12-345-390 TECO WI 56160A

K. Handling Codes for Wastes Listed Above: 1/13

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY DIAZ | Signature: Jerry D | Month 3 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month 03 Day 31 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7522

25-230

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 0250

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262503

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000092728

C. State Transporter's ID: 85569

D. Transporter's Phone: 361-387-7777

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	23000 H	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON TRANSFER MATERIAL TPCO WASTE 0271-5300 TXCI WT 46500H

K. Handling Codes for Wastes Listed Above: 2113

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 3 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month 03 Day 31 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7515

274902

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62504

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262504

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85069

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	2300 H6	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
D009/D018/D035 D009 WT 4515094

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Leo Rendon | Signature: Leo Rendon | Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 > 10% WEIGHT VOLUME DISCREPANCY
pll R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 03 Day 31 Year 04

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TEXAS COMMISSION ON
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P.O. Box 13087
Austin, Texas 78711-3087

WO#7514

274696

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 02505

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262505
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85179
D. Transporter's Phone: 361-387-7247

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20 ~~10~~	P CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
FACILITY CLEANOUT MATERIAL
TRUCK NO. [illegible] TRUCK NO. 30104

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 03 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: MARIO RENDON | Signature: Mario Rendon | Month 03 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 03 Day 31 Year 04

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ENVIRONMENTAL QUALITY
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WO#7513

25-006

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 002506 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262506
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85589
D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20000 lb	P CY	D021,D02H
	b.					
	c.					
	d.					

J. Additional Descriptors for Materials Listed Above: LAGOON CLEANOUT MATERIAL, TECO WS 07-10-03 TECO WT 39010 #

K. Handling Codes for Wastes Listed Above: 7132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 30 04

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Date: 03 30 04
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date

FACILITY
19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY — per R. Marcus
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: 03 31 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
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WO#7503

274240

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 602507

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262507

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone 361-387-2747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 30032

H. Facility's Phone (361) 387-3138

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	CY	D001 D002
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
RACOUSTEANT MATERIAL
TWO DRUMS ATTACHED TW 33520

K. Handling Codes for Wastes Listed Above
H32

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Date: Month 03 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY DIAZ
Signature: Jerry D
Date: Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month 03 Day 31 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
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WO#7501

274041

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 2262508 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 2262508
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTES INDUSTRIES
6. US EPA ID Number: TXR000022928
C. State Transporter's ID: 55869
D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20 0.1.	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: TEXAS ONLY 38110 TEXAS ONLY
K. Handling Codes for Wastes Listed Above: 7432

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Date: Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Date: Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space: 100% WEIGHT DISCREPANCY Per: Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 03 Day 31 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7502

274659

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 6250

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262509

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	D021 D022
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON TRANSITIONAL MATERIAL
TRANSITIONAL MATERIAL 330 BBLS
784 BBLS

K. Handling Codes for Wastes Listed Above
H152

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Jaime GARZA | Signature: Jaime Garza | Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 03 Day 31 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO # 7491

274641

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Form approved, OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62510

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262510

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000002972 8

C. State Transporter's ID 85869

D. Transporter's Phone 361-387-9747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3318

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P LB	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
[illegible] 940804
18 [illegible]

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 30 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY DIAZ
Signature: Jerry Diaz
Date: Month Day Year 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year 03 30 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#7494

274902

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62511

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262511
B. State Generator's ID 30003
C. State Transporter's ID 85869
D. Transporter's Phone 361-387-7747
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID 50052
H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES
6. US EPA ID Number TXR000029728

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-3340 TECO WT 31140 H
18 yds

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name RICHARD MARCUS | Signature Richard Marcus | Month Day Year 03 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name Buster Pritchett | Signature Buster Pritchett | Month Day Year 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name SANDRA DAY | Signature Sandra Day | Month Day Year 03 30 04

GENERATOR

TRANSPORTER

FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7484

R26612RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262512

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 55869

D. Transporter's Phone: 361-387-7247

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
HAZCON/ALLANDER/ARCHER
TCEQ WS# [illegible] 33480 [illegible] 18976

K. Handling Codes for Wastes Listed Above
7152 [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 03 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month 03 Day 30 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7485

274675

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62514

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262514

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 ~~16~~	~~P~~ CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S [illegible] TECO WT [illegible]

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: DON NELSON — Signature: Don Nelson — Month Day Year: 03 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month Day Year: 03 30 04

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02)

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TEXAS COMMISSION ON
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P.O. Box 13087
Austin, Texas 78711-3087

WO#7411

214426

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 10252

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262515

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7797

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20.36 16	P CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TAGGED TRANSOLI MATERIAL
TRANS: [illegible] DOWN 46020 #

K. Handling Codes for Wastes Listed Above
7/132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: JERRY DIAZ — Signature: Jerry D — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY — 19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 29 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7437

274280

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262516

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7147

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~16~~ 19	~~P~~ CJ	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TACCO/TEXAS ENVIRONMENTAL
TCEQ WS# 01 [illegible] PHONE: 361-808-[illegible]

K. Handling Codes for Wastes Listed Above
#13

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space: SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY

Per: Richard Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
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P.O. Box 13087
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WO# 7434

274170

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 10031 16

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262517
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 8869
D. Transporter's Phone: 361-387-2247

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20 yds 16	CY	D002 D021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LACCO CLEANOUT MATERIAL
ECOWS# 210543 ECOWS 20100 #

K. Handling Codes for Wastes Listed Above
H135

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Buster Litchett — Signature: Buster Litchett — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
ITEM 13 >10% WEIGHT, DISCREPANCY
Peri Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 29 04

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WO#7433

274641

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185
Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262518
B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES
6. US EPA ID Number TXR000029728
C. State Transporter's ID 85869
D. Transporter's Phone 361-387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number TXD069452340
G. State Facility's ID 50052
H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	[illegible]2H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TAGGED LANDFILL MATERIAL
TNOVM 4360 H

K. Handling Codes for Wastes Listed Above
H130

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: MARIO RENDON — Signature: Mario Rendon — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 03 29 04

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W.O. 7423

R 28146 RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 6 2 5 19

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262519

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S [illegible] TECO WT 37200
BOX R28146RT

K. Handling Codes for Wastes Listed Above
4132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: DANNY CHAPA — Signature: Danny Chapa — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month Day Year: 03 29 04

GENERATOR — TRANSPORTER — FACILITY

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Austin, Texas 78711-3087

WQ #7421

274670

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62560

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262520

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 8869

D. Transporter's Phone: 361-387-2747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	D021 D028
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
PAGUN CLEANOUT PROJECT
TECO WO# 34660 #

K. Handling Codes for Wastes Listed Above
7132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date: Month Day Year

Printed/Typed Name | Signature

18. Transporter 2 Acknowledgement of Receipt of Materials | Date: Month Day Year

Printed/Typed Name: DON NELSON | Signature: Don Nelson | 03 29 04

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Pete L. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month Day Year 03 29 04

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W.O. 7425

R 28145 RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62521

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262521

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000002972 8

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-1518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	17	CY	D021 D028
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TAGGUNTAMOUT MATERIAL
TCOWS-[illegible] TCOWS-[illegible]

K. Handling Codes for Wastes Listed Above
H133

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY DIAZ
Signature: Jerry Diaz
Date: Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Orlando Luna
Signature: Orlando Luna
Date: Month Day Year: 03 29 04

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WQ#7426

214450

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 0222

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262522

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: 361-317-2714

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	CY	8021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL EPA ID# TXD069452340

K. Handling Codes for Wastes Listed Above: H50

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: ENRIQUE YBARRA | Signature: Enrique Ybarra | Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62523

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262523
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CU	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL [illegible]

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 03 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Buster Pritchett — Signature: Buster Pritchett — Month Day Year: 03 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month Day Year: 03 29 04

GENERATOR — TRANSPORTER — FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62529

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262524

B. State Generator's ID 30003

5. Transporter 1 Company Name ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone 361-387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	13 ~~16~~	CU 1	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WSID 9-004-5340 TECO WT 27080 lb
BOX 25 - 237 ML

K. Handling Codes for Wastes Listed Above
7132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name RICHARD MARCUS | Signature PLANT MANAGER | Month Day Year 03 27 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name JERRY DIAZ | Signature Jerry D | Month Day Year 03 27 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per: Richard Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name SANDRA DAY | Signature Sandra Day | Month Day Year 03 29 04

GENERATOR

TRANSPORTER

FACILITY

TCEQ-0311 (Rev. 09/01/02)

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 82005 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262525
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000002972 8
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7247

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

G. State Facility's ID: 30052
H. Facility's Phone: (361) 387-4518

GENERATOR

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	D213 211
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON LANDFILL MATERIAL
TRCKNO: 38800 PROV:

K. Handling Codes for Wastes Listed Above
H122

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 27 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: DON NELSON | Signature: Don Nelson | Month Day Year: 03 27 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7410

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62506 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 32662526
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000002728
C. State Transporter's ID: 85869
D. Transporter's Phone: 361-387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	12	CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TEXO WS/069452340 TEXO WS 93980 #
K. Handling Codes for Wastes Listed Above
7133

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 27 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month Day Year: 03 27 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 29 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WA# 7380

25-011

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 82527

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262527
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ENVIRONMENTAL EVOLUTIONS HOLDING
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: 361 387 2297

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID: 85869
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

G. State Facility's ID: 30052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	11 ~~16~~	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
PCB WT 20.0 %

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 03 29 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Buster Pritchett | Signature: Buster Pritchett | Month Day Year: 03 26 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per Richard Marcus
sd 3/26/04

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month Day Year: 03 26 04

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Austin, Texas 78711-3087

WO#7403

274240

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD081171185 Manifest Document No. 68313

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262573
B. State Generator's ID: 390003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7217
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	8.0 12	P LB	D021 D021H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LACQUER CLEANOUT MATERIAL
TRCOW# 19360-1

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 03 26 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Buster Pritchett
Signature: Buster Pritchett
Date: Month Day Year: 03 26 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year:

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY. Per: Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year: 03 26 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO # 7407

274280

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62574

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262574
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	8 O.C. ~~12~~	~~P~~ Y	0021302II
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# [illegible] TECO WT 20,060 [illegible]

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: [signature] — Month Day Year: 03 26 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: DON NELSON — Signature: [signature] — Month Day Year: 03 26 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Per. Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: [signature] — Month Day Year: 03 26 04

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02)

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ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WQ#7575

P25228RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 68275

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 32662575
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	12 46	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WA# 13-004-001 TCEQ WA# 23080 #7

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Enrique Ybarra
Signature: Enrique Ybarra
Date: Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month 04 Day 01 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
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Austin, Texas 78711-3087

WO# 7567

274667

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 0034

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262576

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 30052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	~~16~~ 21	~~P~~ CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
1000 WSTD 0021302H 1000 WT 920404

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JERRY DIAZ | Signature: Jerry D | Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 04 Day 01 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

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ENVIRONMENTAL QUALITY
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Austin, Texas 78711-3087

WO# 365

274675

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 68579

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262577
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	2400 46	P CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEANOUT MATERIAL (TOOWS) ROBSTOWN 9/180 54

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: DON NELSON — Signature: Don Nelson — Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year 04 01 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7564

274301

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62578 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262578
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 882-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	46	P CY	0021362II
	b.			21	sol	
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TRC 375/ 29 DEC 1990 TRC 371 X12280 #

K. Handling Codes for Wastes Listed Above
H133

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 04 Day 01 Year 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WDH#7556

274396

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262579
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	0021302H
	b.			19		
	c.					
	d.					

I. Additional Descriptions for Materials Listed Above
EXCOUN CLEANOUT MATERIAL
TEGO WI 38880 #
14 yds

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per R Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 04 Day 01 Year 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 7555

274818

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62580

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262580

B. State Generator's ID 30003

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

5. Transporter 1 Company Name
ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	0021302H
	b.			11		
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TACOWI 52404-330 TECOWI 209220 H

K. Handling Codes for Wastes Listed Above
H130

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS Signature: Richard Marcus Month 3 Day 31 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ENRIQUE YBARRA / DON NELSON Signature: Enrique Ybarra / Don Nelson Month 3 Day 31 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per L. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY Signature: Sandra Day Month 04 Day 01 Year 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
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WO#7620

274427

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62598 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262598
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.					
	c.					
	d.					

I. Additional Descriptions for Materials Listed Above
BASON TRANSFER MATERIAL
TOC 33.110 ppm

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 2 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: DON NELSON | Signature: Don Nelson | Month 4 Day 2 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month 04 Day 02 Year 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7606

274587

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62599
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262599
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18 0.6 16	P CY	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LAGOON CLEAN OUT MATERIAL
K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 2 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ramiro Rodriguez | Signature: [signature] | Date: Month 4 Day 2 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Orlando Luna | Signature: Orlando Luna | Date: Month 04 Day 02 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7617

274426

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262600

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	CY	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TEXOWS# 19304-790 TEXOWS# 39-120#

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 2 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ramiro Rodriguez | Signature: Ramiro Rodriguez | Date: Month 4 Day 2 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month Day Year 04 02 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7604

25-009

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: TXD008117185 — Manifest Document No.: 62601

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262601

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	21 O.L. 16	cy	002130211
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TXCO WT. 43,060

K. Handling Codes for Wastes Listed Above: 31132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month 4 Day 2 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Joe L Reyes — Signature: Joe L Reyes — Month 4 Day 2 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month 04 Day 02 Year 04

GENERATOR — TRANSPORTER — FACILITY

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TEXAS COMMISSION ON
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WQ#7605

274670

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 7605

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262602
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	19 ~~lb~~ o.c.	P CY	6021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WASTE MANIFEST TCEQ WQ 58320 H

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: [signature] | Month 4 Day 2 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DON NELSON | Signature: [signature] | Date: Month 4 Day 2 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per. Richard marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: [signature] | Date: Month 04 Day 02 Year 04

TCEQ-0311 (Rev. 09/01/02)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7593

274280

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62603

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262603
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	23.00 HO	P CY	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
EPA WASTE D021302H
EPA WASTE 336920-4

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR
Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DON NELSON | Signature: Don Nelson | Date: Month 4 Day 1 Year 04
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY
19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per. R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 04 Day 02 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7596

~~R2516RT~~
(R2516RT)

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No. 62 6 04

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262604
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	21 ~~16~~	~~F~~ CY	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/O [illegible] TECO WT. 42160 [illegible]

K. Handling Codes for Wastes Listed Above: [illegible]

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month 4 Day 1 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: DON NELSON — Signature: Don Nelson — Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: Orlando Luna — Signature: Orlando Luna — Month 04 Day 02 Year 04

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02)

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Austin, Texas 78711-3087

WO#7594

R28145

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62605 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262605
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3318

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	00213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: RAGON CLEANOUT MATERIAL
TCEQ WASTE CODE: TCEQWL 2-39-H

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: JERRY DIAZ | Signature: Jerry Diaz | Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: JOE LOPEZ | Signature: Joe Lopez | Month 04 Day 02 Year 04

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 04 Day 02 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

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Austin, Texas 78711-3087

WO #7586

274310

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 002618

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262618

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	002130211
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON GLEANOUT MATERIAL
TECO W/S 1-24-04 [illegible] TECO WT 28340 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: DON NELSON | Signature: Don Nelson | Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 04 Day 01 Year 04

GENERATOR

TRANSPORTER

FACILITY

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Austin, Texas 78711-3087

WQ#7583

274680

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62619

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262619
B. State Generator's ID: 30003
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16 21	P RY Sd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
[illegible] TECO WT. 41920#

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 4 1 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SERRY DIAZ
Signature: Serry D
Date: Month Day Year: 4 1 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year:

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per R. Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month Day Year: 04 01 04

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02)

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Austin, Texas 78711-3087

WO#7581

25-011

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 6020

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262620

B. State Generator's ID 30003

5. Transporter 1 Company Name
ABSOLUTE INDUSTRIES

6. US EPA ID Number TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	aRQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	~~P~~ CY	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WS# 0300 [illegible]
TCEQ WP 33580 [illegible]

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Enrique Ybarra
Signature: Enrique Ybarra
Date: Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: Month 04 Day 01 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7578

274395

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 32262621

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 32262621
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	P CY	00213021
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TOXIC WASTE SOLID NOS
PROFILE # 215804

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: SERRY DIAZ | Signature | Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date Month 04 Day 01 Year 04

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TEXAS COMMISSION ON
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P.O. Box 13087
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WO#577

274909

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 02002 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262622
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	21000	P CY	D021 D022
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TCEQ WASTE CODE 49100 WT 49100 PP
K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 4 Day 1 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DON NELSON | Signature: Don Nelson | Date: Month 4 Day 1 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 04 Day 01 Year 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

Appendix R

ARCADIS

Appendix R

East Lagoon Survey Data

RVE, Inc.
engineering-diving-surveying

March 25, 2004

04009

Entact
4040 W. Royal Lane #136
Irving, TX 75063

Attn: Mr. Jeff McCord

Re: Entact Project C910- Pre-excavation surveys of the ground level elevation for Section 1-8 at East Lagoon.

Dear Mr. McCord:

We have performed the pre-excavation surveys of the ground level elevation at each center section (Sections 1-8) as staked by the contractor. A total station was used to tie in the location and ground elevation at each center section. The ground elevation at each center section was also determined by using a level and a 25' level rod. The rod holder could not prevent the level rod from sinking into the ground at seven of the eight center section locations because the top 1/8" to 1" of the ground surface was very soft. The elevations determined by the level were 1/8" to 1" lower than the total station due to the sinking level rod. It was decided that the elevations determined by the total station be used.

The approximate centerline of the top south concrete dike (North 10,000.00') and the approximate centerline of the top east concrete dike (East 10,386.5) were used as base lines to tie in the location of each center section. See Figure 1. The elevation noted at the northeast corner of the concrete dike was used as the known bench mark. The elevation is 14.22'. The elevation of 14.22' was transferred to an "X " marked placed in the centerline of the top south concrete dike 386.5' from the southeast corner. The elevation of the "X" is 14.92'. The assumed coordinates of the "X" are N 10000.00 and East 10000.00. The results of each center section were as follows:

820 Buffalo St., Corpus Christi, Texas 78401-2216 P.O. Box 2927, Corpus Christi, Texas 78403-2927
phone: 361.887.8851 fax: 361.887.8855 e-mail: rve@rve-inc.com website: www.rve-inc.com

Center Section	North	East	Elevation
1	10,095.02'	9,729.26'	5.00'
2	10,050.16'	9,729.06'	4.88'
3	10,114.09'	9,909.03'	5.41'
4	10,051.36'	9,910.37'	4.89'
5	10,140.81'	10,090.11'	5.18'
6	10,065.35'	10,091.66'	4.90'
7	10,157.02'	10,270.09'	4.84'
8	10,065.59'	10,271.09'	4.62'

The locations and elevations above, represent the existing ground conditions surveyed on March 24, 2004 at the East Lagoon located at 5500 Up River Road, Corpus Christi.

Sincerely,

RVE, INC.

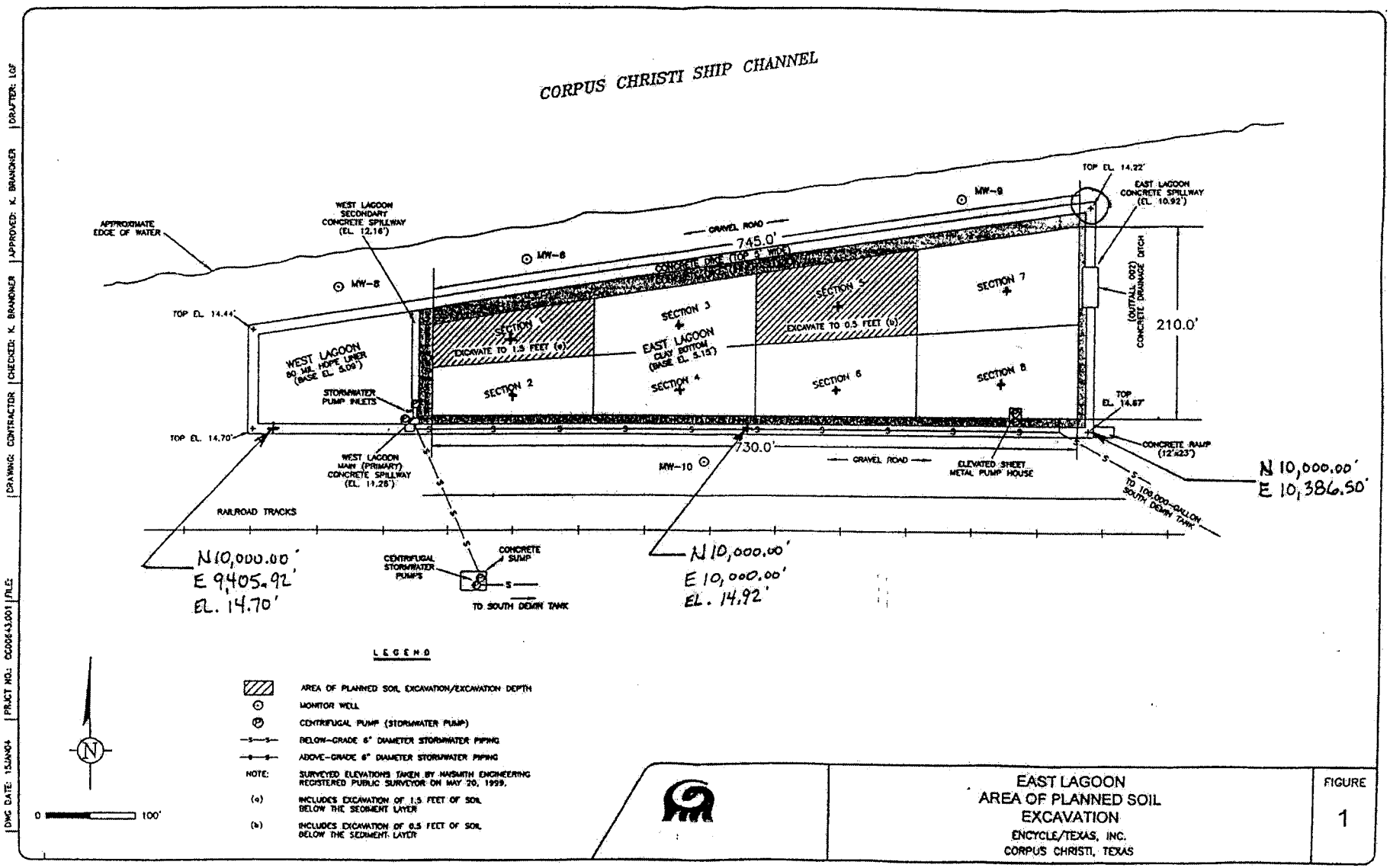
Albert E. Franco Jr. 3/25/04

Albert E. Franco, Jr., RPLS
Project Manager

AEF/dcr

Attachments

Figure 1



CORPUS CHRISTI SHIP CHANNEL
APPROXIMATE EDGE OF WATER
WEST LAGOON SECONDARY CONCRETE SPILLWAY (EL. 12.16')
MW-8
MW-6
MW-9
MW-10
GRAVEL ROAD
745.0'
CONCRETE DIKE (TOP 5' WIDE)
TOP EL. 14.22'
EAST LAGOON CONCRETE SPILLWAY (EL. 10.92')
(OUTFALL 002) CONCRETE DRAINAGE DITCH
210.0'
TOP EL. 14.44'
WEST LAGOON 80 MIL HDPE LINER (BASE EL. 5.09')
STORMWATER PUMP INLETS
SECTION 1
EXCAVATE TO 1.5 FEET (a)
SECTION 2
SECTION 3
EAST LAGOON CLAY BOTTOM (BASE EL. 5.15')
SECTION 4
SECTION 5
EXCAVATE TO 0.5 FEET (b)
SECTION 6
SECTION 7
SECTION 8
TOP EL. 14.67'
TOP EL. 14.70'
WEST LAGOON MAIN (PRIMARY) CONCRETE SPILLWAY (EL. 11.26')
730.0'
GRAVEL ROAD
ELEVATED SHEET METAL PUMP HOUSE
CONCRETE RAMP (12'x23')
TO 100,000-GALLON SOUTH DEMIN TANK
N 10,000.00'
E 10,386.50'
RAILROAD TRACKS
N 10,000.00'
E 9,405.92'
EL. 14.70'
CENTRIFUGAL STORMWATER PUMPS
CONCRETE SUMP
TO SOUTH DEMIN TANK
N 10,000.00'
E 10,000.00'
EL. 14.92'
LEGEND
AREA OF PLANNED SOIL EXCAVATION/EXCAVATION DEPTH
MONITOR WELL
CENTRIFUGAL PUMP (STORMWATER PUMP)
BELOW-GRADE 6" DIAMETER STORMWATER PIPING
ABOVE-GRADE 6" DIAMETER STORMWATER PIPING
NOTE: SURVEYED ELEVATIONS TAKEN BY NAISMITH ENGINEERING REGISTERED PUBLIC SURVEYOR ON MAY 20, 1999.
(a) INCLUDES EXCAVATION OF 1.5 FEET OF SOIL BELOW THE SEDIMENT LAYER
(b) INCLUDES EXCAVATION OF 0.5 FEET OF SOIL BELOW THE SEDIMENT LAYER
N
0
100'
EAST LAGOON
AREA OF PLANNED SOIL
EXCAVATION
ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS
FIGURE
1
DWG DATE: 15JAN04
PRJCT NO.: CC00643.001
FILE:
DRAWING: CONTRACTOR
CHECKED: K. BRANDNER
APPROVED: K. BRANDNER
DRAFTER: LGF

RVE, Inc.
engineering-diving-surveying

March 31, 2004

04009

Entact
4040 W. Royal Lane #136
Irving, TX 75063

Attn: Mr. Jeff McCord

Re: Entact Project C910- Post-excavation surveys of the ground level elevation for Section 1-8 at East Lagoon.

Dear Mr. McCord:

We have performed the post-excavation surveys of the ground level elevation at each center section (Sections 1-8). A total station was used to reset the missing stakes at the center location of Section 1 and 5. The location and ground elevation was taken at each center section.

The approximate centerline of the top south concrete dike (North 10,000.00') and the approximate centerline of the top east concrete dike (East 10,386.5) were used as base lines to tie in the location of each center section. See Figure 1. The elevation noted at the northeast corner of the concrete dike was used as the known bench mark. The elevation is 14.22'. The elevation of 14.22' was transferred to an "X " marked placed in the centerline of the top south concrete dike 386.5' from the southeast corner. The elevation of the "X" is 14.92'. The assumed coordinates of the "X" are N 10000.00 and East 10000.00. The results of each center section were as follows:

820 Buffalo St., Corpus Christi, Texas 78401-2216 P.O. Box 2927, Corpus Christi, Texas 78403-2927
phone: 361.887.8851 fax: 361.887.8855 e-mail: rve@rve-inc.com website: www.rve-inc.com

Center Section	North	East	Elevation
1	10,095.23'	9,729.05'	2.90'
2	10,050.18'	9,729.00'	4.76'
3	10,115.13'	9,908.76'	5.24'
4	10,051.45'	9,909.90'	4.71'
5	10,141.25'	10,089.90'	4.52'
6	10,065.95'	10,092.00'	4.73'
7	10,158.30'	10,271.47'	4.77'
8	10,065.31'	10,270.62'	4.46'

The locations and elevations above, represent the existing ground conditions surveyed on March 30, 2004 at the East Lagoon located at 5500 Up River Road, Corpus Christi.

Sincerely,

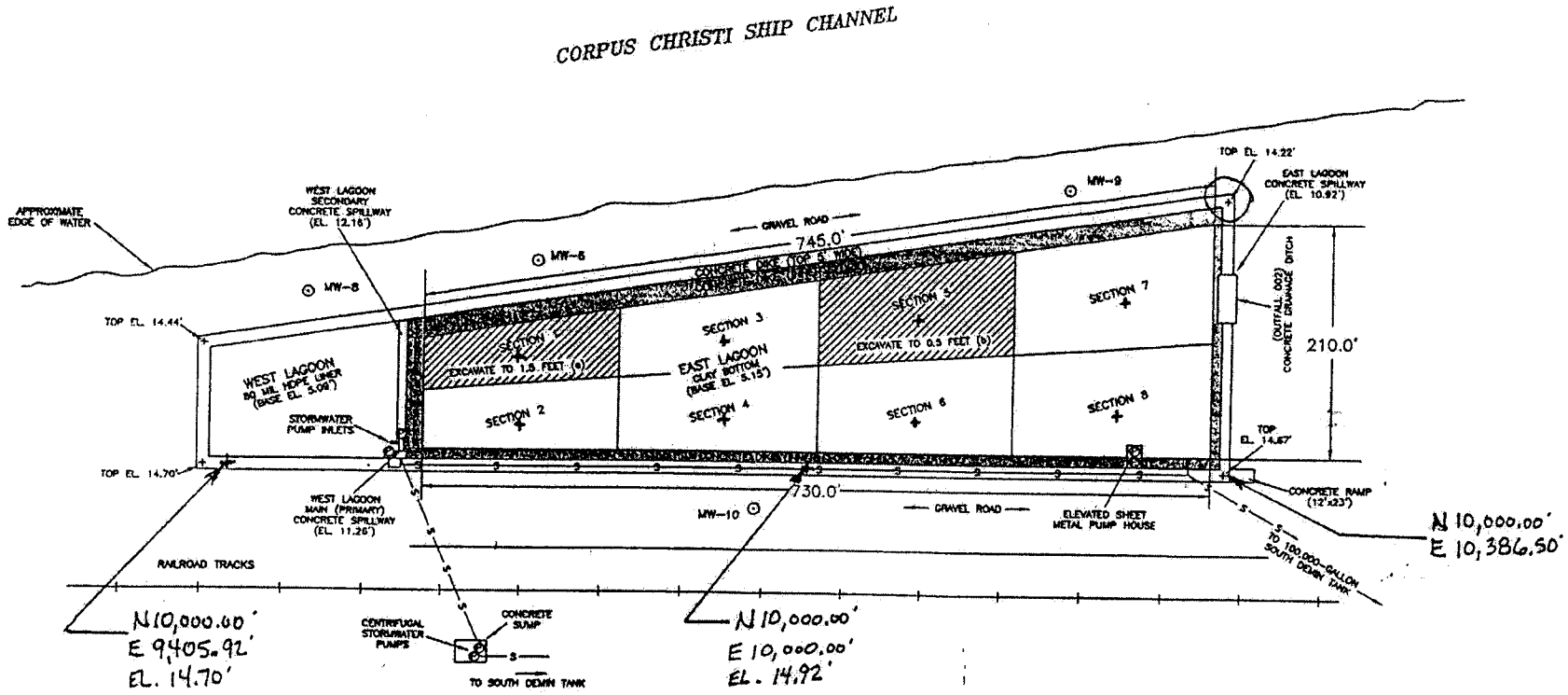
RVE, INC.

Albert E. Franco, Jr. 3/31/04
Albert E. Franco, Jr., RPLS
Project Manager

AEF/dcr

Attachments

Figure 1



EAST LAGOON
AREA OF PLANNED SOIL
EXCAVATION
ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
1

DRAWING: CONTRACTOR | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF
DWG DATE: 15JAN04 | PRJCT NO.: CC0054.3.001 | FILE:

Appendix S

Appendix S

Geotechnical Data – East Lagoon Backfill Material

Hydraulic Conductivity of Saturated Soils

ASTM Method D 5084

Client:	[redacted]	ETR(s):	[redacted]
Client Code:	[redacted]	SDG(s):	[redacted]
Project:	[redacted]	Analyst(s):	[redacted]
Case:	[redacted]	Start Date:	[redacted]
Date Received:	[redacted]	End Date:	[redacted]

Lab ID:	[redacted]	Sample ID:	[redacted]

Consolidation Stress, Max:	9.1	psi	Area of Burette:	0.906 cm2
Min:	5.6	psi	Sample Length:	[redacted] cm
Moisture:	[redacted]	%	Sample Diameter:	7.3 cm
Permeant Used:	RO Water		Sample Area:	41.85 cm2

Test 1	Cell		Upper		Lower		Time		
	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Hours	Minutes	Seconds
Initial Reading	[redacted]								
Final Reading	[redacted]								
					Total Run Time		8	28	25
							Elapsed Time, sec		30505
							Flow Rate, cm/sec		1.47E-08

Test 2	Cell		Upper		Lower		Time		
	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Hours	Minutes	Seconds
Initial Reading	[redacted]								
Final Reading	[redacted]								
					Total Run Time		16	-18	-19
							Elapsed Time, sec		56501
							Flow Rate, cm/sec		1.30E-08

Test 3	Cell		Upper		Lower		Time		
	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Burette, mL	Pressure, psi	Hours	Minutes	Seconds
Initial Reading	[redacted]								
Final Reading	[redacted]								
					Total Run Time		23	38	19
							Elapsed Time, sec		85099
							Flow Rate, cm/sec		1.36E-08

Hydraulic Conductivity, cm/s	1.4E-08

ASTM Method D1140: Standard Test Method for Amount of Material in Soils Finer Than the No. 200 (75 um) Sieve
Calculations

Client Code: ENTAC1
ETR: 99151
SDG: N/A

Start Date: 3/24/2004
Start Time: 13:35
End Date: 3/29/2004
Analyst: MRD

Laboratory Number	Weight of									Moisture Content (%)	Finer than 200 Sieve (%)
	Container	Container + Wet Sample (g)	Pan (g)	Pan + Wet Sample (g)	Pan + Dry Sample (g)	Beaker (g)	Beaker + Dry Sample (g)	Initial Dry Mass (g)	Sieved Dry Mass (g)		
564220	49.05	177.78	3.69	80.36	69.48	110.89	151.87	152.55	40.98	16.5	73.1

Appendix T

ARCADIS

Appendix T

Manifest for North and South Demin Tank Sediments

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262097

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	12	YR AEG	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-0340 TECO WT

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 06 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month Day Year: 06 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

Box #DR125715RT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD081171185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262075
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85809
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3515

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	YR AG	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
[illegible] TOXICITY [illegible] TOCOWT

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature | Month 06 Day 14 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: ENRIQUE YBARRA | Signature | Month 06 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name | Signature | Month Day Year

Box# DR22004RT

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 — Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262114

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WIS# 09-001-8340 TECO WT.

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month 06 Day 15 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: Enrique Ybarra — Signature: Enrique Ybarra — Month 06 Day 15 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

BOX DRI 21 3 RF

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262113

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	~~P~~ Y	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 6 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 06 Day 18 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

TCEQ-0311 (Rev. 09/01/02)

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Boy Dic 2005 RT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262115
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
X	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	R	D021 D027 D028
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TWO WAY 25-404-8349 TCOWT

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 6 Day 17 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: TERRY DIAZ | Signature: Terry D | Month 06 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

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P.O. Box 13087
Austin, Texas 78711-3087

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262117

B. State Generator's ID 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	P YD	D021 D022H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
MAROON PEANUT MATERIAL
TEXO WASTE 2-804-3340 ... 4000 WT. Rec'd DRL 25 03 RT

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 6 Day 17 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Danny Chapa | Signature: Danny Chapa | Date: Month 06 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Date: Month Day Year

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Box DR22026RT

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262116

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

GENERATOR

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	16	W	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TEX LAW 09-001-530 TCOM1

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 6 Day 12 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY DIAZ | Signature: Jerry Diaz | Month 06 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

TCEQ-0311 (Rev. 09/01/02)

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Box D8012505

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262119

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	Y	D021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TEQ019/NA3077/PGIII

K. Handling Codes for Wastes Listed Above
H132

DB012505

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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GENERATOR

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month | Day | Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Month: 6 | Day: 17 | Year: 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month | Day | Year

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262124

B. State Generator's ID: 30003 85869

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	18	P	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-2340 TECO WT.

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 06 18 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY DIGG | Signature: [signature] | Month Day Year: 06 18 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

TCEQ-0311 (Rev. 09/01/02)

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ENVIRONMENTAL QUALITY
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Austin, Texas 78711-3087

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262118

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10	~~P~~ Y	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT.

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 06 21 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: JERRY DIAZ | Signature: Jerry D | Month Day Year: 06 21 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262095

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	~~P~~ Yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8348 TECO WT

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 6 Day 22 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month 6 Day 22 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: | Signature: | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

TCEQ-0311 (Rev. 09/01/02)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

Box DB 2547

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262121
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	P YJ	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TACKER CLEANOUT MATERIAL
TDCJ WW 12-001330 TDCJ WT Box DB 2547

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 06 Day 22 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Danny Chapa | Signature: Danny Chapa | Month 06 Day 22 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name | Signature | Month Day Year

TXD008117185

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ENCYCLE/TEXAS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 9011

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117183 Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262123

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10 20	P Yd Ton	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 02-004-340 TECO WI-
Box # DRT 2532 RT

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 06 23 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: DANNY CHAPA — Signature: Danny Chapa — Month Day Year: 06 23 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month Day Year

FACILITY — 19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name: SANDRA DAY — Signature: Sandra Day — Month Day Year: 06 23 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#9012

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD081171865 Manifest Document No. 1820 11

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262091

B. State Generator's ID 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TTCO WS# 69-064-334 TTCO WT 20,800 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS — Signature: Richard Marcus — Month Day Year: 04 23 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: JERRY DIAZ — Signature: Jerry D — Month Day Year: 04 23 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Sarah Eakin — Signature: Sarah Eakin — Month Day Year: 04 23 04

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WC# 9017

THE STATE OF TEXAS

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 | Manifest Document No. 62092 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262092

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	12 x 20 yd		0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 **TECO WT.** 23440#

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 06 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Rodolfo Chavez Ag | Signature: [signature] | Month 06 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space
SECTION 13 > 10% WEIGHT, VOLUME DISCREPANCY
per Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Month 06 Day 23 Year 04

GENERATOR

TRANSPORTER

FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL ~~QUALITY~~
P.O. Box 13087
Austin, Texas 78711-3087

WO #9023

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 | Manifest Document No. 02108

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262108

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	~~4~~ 5	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT 21 dlb #
DRF 2503 RT

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 06 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Month 06 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name: Sarah Eakin | Signature: Sarah Eakin | Month 06 Day 23 Year 04

GENERATOR

TRANSPORTER

FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO # 9024

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 | Manifest Document No. 68709

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262109

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	20	yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
TECO W/# 09-004-8140 TECO WT 25500 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 06 23 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Terry Diaz | Signature: Terry D | Month Day Year: 06 23 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month Day Year

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: Sarah Eaccii | Signature: Sarah Eaccii | Month Day Year: 06 23 04

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 67094

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262096

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10 ~~20~~	P ~~YD~~	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 **TECO WT.** 18960#

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month 06 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Rodolfo Clavora Jr | Signature: [signature] | Date: Month 06 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date: Month Day Year

19. Discrepancy Indication Space
SECTION 13 > 10% WEIGHT
VOLUME DISCREPANCY
[signature]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 06 Day 23 Year 04

GENERATOR / TRANSPORTER / FACILITY

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO# 9045

THE STATE OF TEXAS

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62088	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262088
B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES
6. US EPA ID Number: TXR000029728
C. State Transporter's ID: 85869
D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10 20	P Yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/O# 09-004-8340 TECO WT. 19480 #

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 06 24 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Chapa
Signature: Danny Chapa
Date: 06 24 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA Day
Signature: Sandra Day
Date: 06 24 04

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#9059

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 Manifest Document No. 16208

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
~~ENCYCLE/TEXAS~~
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262068

B. State Generator's ID 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10 ~~20~~	~~P~~ yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WS# 19-004-5346 TECO WT 20506 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Month Day Year: 06 25 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Enrique Ybarra | Signature: Enrique Ybarra | Month Day Year: 06 25 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Sarah Eaari | Signature: Sarah Eaari | Date Month Day Year: 06 25 04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#9060

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 Manifest Document No. 00100

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number 3262100

B. State Generator's ID 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID 85869

D. Transporter's Phone (361) 387-7747

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID 50052

H. Facility's Phone (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	10000 P 20yd		0021302H
	b.					
	c.					
	d.					

GENERATOR

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO WS# 02-[illegible] TECO WT. 19840#

K. Handling Codes for Wastes Listed Above H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD MARCUS | Signature: Richard Marcus | Date: Month 06 Day 25 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANNY CHAPA | Signature: Danny Chapa | Date: Month 06 Day 25 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY per Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SANDRA DAY | Signature: Sandra Day | Date: Month 06 Day 25 Year 04

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P.O. Box 13087
Austin, Texas 78711-3087

WO#9064

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117185 Manifest Document No. 62099

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS 78407
ATTN: RICHARD MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3262099

B. State Generator's ID: 30003

5. Transporter 1 Company Name: ABSOLUTE INDUSTRIES

6. US EPA ID Number: TXR000029728

C. State Transporter's ID: 85869

D. Transporter's Phone: (361) 387-7747

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Waste No.
X	a. RQ HAZARDOUS WASTE SOLIDS, NOS, 9, NA3077, PGIII (SEE ATTACHED FOR EPA CODES)	001	CM	12 ~~20~~	~~P~~ yd	0021302H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
LAGOON CLEANOUT MATERIAL
TECO W/S# 09-004-8340 TECO WT. 23280 #

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT: (361) 289-6526

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: RICHARD MARCUS
Signature: Richard Marcus
Month Day Year: 06 25 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DON NELSON
Signature: Don Nelson
Date: 06 25 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date:

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
per Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SANDRA DAY
Signature: Sandra Day
Date: 06 25 04

GENERATOR / TRANSPORTER / FACILITY

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TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

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Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 | Manifest Document No. 40669

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TX 78407
ATTN: RICH MARCUS

4. Generator's Phone (361) 289-6526

A. State Manifest Document Number: 3440669

B. State Generator's ID: 30003

5. Transporter 1 Company Name: UNION PACIFIC RAILROAD

6. US EPA ID Number: NED000179291 0

C. State Transporter's ID: 40441

D. Transporter's Phone: 888-877-7267

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY IDAHO, INC.
10.5 MILES NW ON HWY 78, LEMLY ROAD
GRAND VIEW, ID 83624

10. US EPA ID Number: IDD073114654

G. State Facility's ID

H. Facility's Phone: (208) 834-2275

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PGIII (D008,F006,F019, SEE ATTACHED)	001	CM	65100 P		0021302H
X	b. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PGIII (D008,F006,F019, SEE ATTACHED)	001	CM	88760 P		0029504H
X	c. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PGIII (D008,F006,F019, SEE ATTACHED)	001	CM	07210 P		0015319H
	d.					

J. Additional Descriptions for Materials Listed Above
SEE ATTACHED FOR ADDITIONAL EPA WASTE CODES
a) Lagoon Cleanout W/S# 17103 **b) Thickener Solids** W/S# 17104
c) Compactor Debris W/S# 17102

K. Handling Codes for Wastes Listed Above: H132

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT ENCYCLE/TEXAS AT 361-289-6526 ERG# 171
RAILCAR NO. JTLX277 ; ENCYCLE NO. S-041014-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: JESSE LOPEZ | Signature: Jesse Lopez | Month Day Year: 10 14 04

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: KRISTINE E Karstes | Signature: Kristine E Karstes | Month Day Year: 10 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: | Signature: | Month Day Year:

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

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Appendix U

ARCADIS

Appendix U

Laboratory Reports – Demin Tank Rinsate Samples

SEVERN TRENT STL

RECEIVED
JUN 28 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225334

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/24/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

Date 6/24/04

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 13

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/24/2004

Job Number.: 225334
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: LAGOON CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225334-1	S. DEMIN TANK	Water	06/16/2004	14:30	06/16/2004	15:33

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225334

Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: S. DEMIN TANK
Date Sampled.....: 06/16/2004
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 225334-1
Date Received.....: 06/16/2004
Time Received.....: 15:33

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/18/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	06/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Lead (Pb), Total	0.14	0.01	mg/L	06/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/17/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 | Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 7470A | Batch.....: 94985 | Analyst...: edr
Method Description.: Mercury (CVAA) | Units.....: mg/L | Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M061804HG	0.00478		0.00500		95.6	%	90-110	06/18/2004	1240
ICB			-0.000087							06/18/2004	1243
LCS		M061804LG	0.00511		0.0050		102.2	%	85-115	06/18/2004	1246
MB			-0.000121							06/18/2004	1248
MS	225309-2	M061804HG	0.00497		0.00500	-0.000040	100.2	%	75-125	06/18/2004	1252
MSD	225309-2	M061804HG	0.00477	0.00497	0.00500	-0.000040	96.2	%	75-125	06/18/2004	1254
							4.1	R	20		
CCV		M061804HG	0.00481		0.00500		96.2	%	80-120	06/18/2004	1308
CCB			-0.000039							06/18/2004	1311
MS	225327-1	M061804HG	0.00481		0.00500	-0.000097	98.1	%	75-125	06/18/2004	1315
MSD	225327-1	M061804HG	0.00467	0.00481	0.00500	-0.000097	95.3	%	75-125	06/18/2004	1317
							3.0	R	20		
CCV		M061804HG	0.00460		0.00500		92.0	%	80-120	06/18/2004	1324
CCB			-0.000112							06/18/2004	1327

Test Method.....: SW-846 6010B | Batch.....: 94972 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01782603		2.00		100.9	%	90-110	06/17/2004	1450
ICV		M0368	0.99591355		1.00		99.6	%	90-110	06/17/2004	1459
ICV		M0380	0.99433239		1.00		99.4	%	90-110	06/17/2004	1508
ICB			-0.0019338							06/17/2004	1534
ICV		M0393	0.48769729		0.500		97.5	%	90-110	06/17/2004	1538
CCV		M0388	1.04489985		1.00		104.5	%	90-110	06/17/2004	1543
CCB			0.00027507							06/17/2004	1552
MB		3010.	-0.0065473							06/17/2004	1615
LCS		M351	0.50744318		0.500		101.5	%	80-120	06/17/2004	1618
CCV		M0388	1.03412592		1.00		103.4	%	90-110	06/17/2004	1649
CCB			-0.0062360							06/17/2004	1701
MS	225321-3	M351	0.54327039		0.500	0.00679645	107.3	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54661494	0.54327039	0.500	0.00679645	108.0	%	75-125	06/17/2004	1710
							0.6	R	20		
MB		3010	-0.0048613							06/17/2004	1740
CCV		M0388	1.02901301		1.00		102.9	%	90-110	06/17/2004	1744
CCB			-0.0029471							06/17/2004	1752
LCS		M351	0.52088848		0.500		104.2	%	80-120	06/17/2004	1756
MB		3010	0.00145681							06/17/2004	1822
LCS		M351	0.50507590		0.500		101.0	%	80-120	06/17/2004	1829
CCV		M0388	1.02193497		1.00		102.2	%	90-110	06/17/2004	1838
CCB			0.00021748							06/17/2004	1851
MS	225281-1	M351	0.51265631		0.500	-0.0003587	102.6	%	75-125	06/17/2004	1858
CCV		M0388	1.02310370		1.00		102.3	%	90-110	06/17/2004	1934
CCB			0.00133829							06/17/2004	1942
MB		3050	-0.0026917							06/17/2004	2004
LCS		M351	0.50663093		0.500		101.3	%	66-134	06/17/2004	2011
SB		M383D	2.33412556		2.31		101.0	%	66-134	06/17/2004	2016
[illegible]	225330-5	M351	0.59004178		0.500	0.04817700	108.4	%	75-125	06/17/2004	2025
[illegible]	225330-5	M351	0.58006524	0.59004178	0.500	0.04817700	106.4	%	75-125	06/17/2004	2031
							1.7	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.01616286		1.00		101.6	%	90-110	06/17/2004	2039
CCB			0.00051787							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02131845		2.00		101.1	%	90-110	06/17/2004	1450
ICV		M0369	0.99676325		1.00		99.7	%	90-110	06/17/2004	1504
ICB			-0.0000003							06/17/2004	1534
ICV		M0393	0.49358679		0.500		98.7	%	90-110	06/17/2004	1538
CCV		M0388	1.05024682		1.00		105.0	%	90-110	06/17/2004	1543
CCB			-0.0002003							06/17/2004	1552
MB		3010.	0.00045443							06/17/2004	1615
LCS		M351	0.51622323		0.500		103.2	%	80-120	06/17/2004	1618
CCV		M0388	1.04904829		1.00		104.9	%	90-110	06/17/2004	1649
CCB			-0.0001283							06/17/2004	1701
MS	225321-3	M351	0.69582536		0.500	0.17529028	104.1	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.69614958	0.69582536	0.500	0.17529028	104.2	%	75-125	06/17/2004	1710
							0.0	R	20		
MB		3010	-0.0001681							06/17/2004	1740
CCV		M0388	1.03233164		1.00		103.2	%	90-110	06/17/2004	1744
CCB			0.00001108							06/17/2004	1752
LCS		M351	0.52148996		0.500		104.3	%	80-120	06/17/2004	1756
MB		3010	0.01491023							06/17/2004	1822
LCS		M351	0.50781053		0.500		101.6	%	80-120	06/17/2004	1829
CCV		M0388	1.02176544		1.00		102.2	%	90-110	06/17/2004	1838
CCB			-0.0000905							06/17/2004	1851
MS	225281-1	M351	0.53920971		0.500	0.03842466	100.2	%	75-125	06/17/2004	1858
CCV		M0388	1.02639640		1.00		102.6	%	90-110	06/17/2004	1934
CCB			0.00002608							06/17/2004	1942
MB		3050	-0.0003062							06/17/2004	2004
LCS		M351	0.51487830		0.500		103.0	%	58-142	06/17/2004	2011
SB		M383D	9.51638129		10.00		95.2	%	58-142	06/17/2004	2016
MS	225330-5	M351	2.08721631		0.500	1.74071367	69.3	%	75-125	06/17/2004	2025
MSD	225330-5	M351	1.91563606	2.08721631	0.500	1.74071367	35.0	%	75-125	06/17/2004	2031
							8.6	R	20		
CCV		M0388	1.06476969		1.00		106.5	%	90-110	06/17/2004	2039
CCB			0.00013687							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
		M0387	2.01725473		2.00		100.9	%	90-110	06/17/2004	1450
		M0368	1.00181760		1.00		100.2	%	90-110	06/17/2004	1459
ICV		M0380	1.00677220		1.00		100.7	%	90-110	06/17/2004	1508

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			-0.0000235							06/17/2004	1534
ICV		M0393	0.49531201		0.500		99.1	%	90-110	06/17/2004	1538
CCV		M0388	1.04301228		1.00		104.3	%	90-110	06/17/2004	1543
CCB			0.00005106							06/17/2004	1552
MB		3010.	-0.0000723							06/17/2004	1615
LCS		M351	0.50692813		0.500		101.4	%	80-120	06/17/2004	1618
CCV		M0388	1.03698123		1.00		103.7	%	90-110	06/17/2004	1649
CCB			-0.0002126							06/17/2004	1701
MS	225321-3	M351	0.52194166		0.500	-0.0003299	104.5	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52029752	0.52194166	0.500	-0.0003299	104.1	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0000770							06/17/2004	1740
CCV		M0388	1.02285207		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00005433							06/17/2004	1752
LCS		M351	0.51500351		0.500		103.0	%	80-120	06/17/2004	1756
MB		3010	-0.0000410							06/17/2004	1822
LCS		M351	0.49884237		0.500		99.8	%	80-120	06/17/2004	1829
CCV		M0388	1.01230879		1.00		101.2	%	90-110	06/17/2004	1838
CCB			-0.0000284							06/17/2004	1851
MS	225281-1	M351	0.50165658		0.500	-0.0003727	100.4	%	75-125	06/17/2004	1858
CCV		M0388	1.01985657		1.00		102.0	%	90-110	06/17/2004	1934
CCB			-0.0000760							06/17/2004	1942
MB		3050	0.00005414							06/17/2004	2004
LCS		M351	0.50503683		0.500		101.0	%	73-127	06/17/2004	2011
SB		M383D	1.21059755		1.27		95.3	%	73-127	06/17/2004	2016
MS	225330-5	M351	0.51769641		0.500	0.01320470	100.9	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.51164858	0.51769641	0.500	0.01320470	99.7	%	75-125	06/17/2004	2031
							1.2	R	20		
CCV		M0388	1.05086059		1.00		105.1	%	90-110	06/17/2004	2039
CCB			-0.0001155							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02471020		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	0.99492428		1.00		99.5	%	90-110	06/17/2004	1459
ICV		M0380	1.00210509		1.00		100.2	%	90-110	06/17/2004	1508
ICB			0.00033326							06/17/2004	1534
ICV		M0393	0.48909000		0.500		97.8	%	90-110	06/17/2004	1538
CCV		M0388	1.04048047		1.00		104.0	%	90-110	06/17/2004	1543
CCB			-0.0000677							06/17/2004	1552
MB		3010.	-0.0000438							06/17/2004	1615
LCS		M351	0.51034695		0.500		102.1	%	80-120	06/17/2004	1618
CCV		M0388	1.04043906		1.00		104.0	%	90-110	06/17/2004	1649
CCB			0.00004039							06/17/2004	1701
MS	225321-3	M351	0.52823089		0.500	0.00404317	104.8	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52911295	0.52823089	0.500	0.00404317	105.0	%	75-125	06/17/2004	1710
							0.2	R	20		
		3010	-0.0002150							06/17/2004	1740

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 | Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 94972 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02295222		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00042935							06/17/2004	1752
LCS		M351	0.51768576		0.500		103.5	%	80-120	06/17/2004	1756
MB		3010	-0.0002206							06/17/2004	1822
LCS		M351	0.50137630		0.500		100.3	%	80-120	06/17/2004	1829
CCV		M0388	1.02022744		1.00		102.0	%	90-110	06/17/2004	1838
CCB			-0.0001536							06/17/2004	1851
MS	225281-1	M351	0.50928460		0.500	0.00044409	101.8	%	75-125	06/17/2004	1858
CCV		M0388	1.02382405		1.00		102.4	%	90-110	06/17/2004	1934
CCB			0.00043827							06/17/2004	1942
MB		3050	0.00139293							06/17/2004	2004
LCS		M351	0.53046371		0.500		106.1	%	72-127	06/17/2004	2011
SB		M383D	2.02564507		2.07		97.9	%	72-127	06/17/2004	2016
MS	225330-5	M351	0.73782517		0.500	0.21736060	104.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.92804936	0.73782517	0.500	0.21736060	142.1	%	75-125	06/17/2004	2031
							22.8	R	20		
CCV		M0388	1.06768587		1.00		106.8	%	90-110	06/17/2004	2039
CCB			0.00023333							06/17/2004	2048

Test Method.....: SW-846 6010B | Batch.....: 94972 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.04316272		2.00		102.2	%	90-110	06/17/2004	1450
ICV		M0368	1.02671087		1.00		102.7	%	90-110	06/17/2004	1459
ICV		M0380	1.03125179		1.00		103.1	%	90-110	06/17/2004	1508
ICB			-0.0022534							06/17/2004	1534
ICV		M0393	0.50533056		0.500		101.1	%	90-110	06/17/2004	1538
CCV		M0388	1.05502065		1.00		105.5	%	90-110	06/17/2004	1543
CCB			-0.0004356							06/17/2004	1552
MB		3010.	0.00004226							06/17/2004	1615
LCS		M351	0.51137727		0.500		102.3	%	80-120	06/17/2004	1618
CCV		M0388	1.04843262		1.00		104.8	%	90-110	06/17/2004	1649
CCB			-0.0039731							06/17/2004	1701
MS	225321-3	M351	0.51188980		0.500	0.00200190	102.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.51448541	0.51188980	0.500	0.00200190	102.5	%	75-125	06/17/2004	1710
							0.5	R	20		
MB		3010	-0.0006287							06/17/2004	1740
CCV		M0388	1.03985275		1.00		104.0	%	90-110	06/17/2004	1744
CCB			-0.0009648							06/17/2004	1752
LCS		M351	0.52207905		0.500		104.4	%	80-120	06/17/2004	1756
MB		3010	-0.0003507							06/17/2004	1822
LCS		M351	0.50694009		0.500		101.4	%	80-120	06/17/2004	1829
CCV		M0388	1.02274625		1.00		102.3	%	90-110	06/17/2004	1838
CCB			-0.0009027							06/17/2004	1851
MS	225281-1	M351	0.49926897		0.500	0.00089908	99.7	%	75-125	06/17/2004	1858
CCV		M0388	1.03277617		1.00		103.3	%	90-110	06/17/2004	1934
CCB			-0.0015195							06/17/2004	1942
		3050	-0.0024221							06/17/2004	2004
LCS		M351	0.51087676		0.500		102.2	%	71-129	06/17/2004	2011

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334

Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Lead (Pb)

Batch.....: 94972
Units.....: mg/L

Analyst...: jem
Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
SB		M383D	1.95149529		2.04		95.7	%	71-129	06/17/2004	2016
MS	225330-5	M351	0.63711116		0.500	0.13646827	100.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.69631086	0.63711116	0.500	0.13646827	112.0	%	75-125	06/17/2004	2031
							8.9	R	20		
CCV		M0388	1.02361048		1.00		102.4	%	90-110	06/17/2004	2039
CCB			-0.0009674							06/17/2004	2048

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)

Batch.....: 94972
Units.....: mg/L

Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02307586		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	1.01447764		1.00		101.4	%	90-110	06/17/2004	1459
CV		M0380	1.00968929		1.00		101.0	%	90-110	06/17/2004	1508
B			0.00060533							06/17/2004	1534
CV		M0393	0.48977146		0.500		98.0	%	90-110	06/17/2004	1538
CCV		M0388	1.03872543		1.00		103.9	%	90-110	06/17/2004	1543
CCB			0.00733775							06/17/2004	1552
MB		3010.	-0.0094725							06/17/2004	1615
LCS		M351	0.49402763		0.500		98.8	%	80-120	06/17/2004	1618
CCV		M0388	1.02812421		1.00		102.8	%	90-110	06/17/2004	1649
CCB			0.00742171							06/17/2004	1701
MS	225321-3	M351	0.54502165		0.500	0.00070785	108.9	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54730511	0.54502165	0.500	0.00070785	109.3	%	75-125	06/17/2004	1710
							0.4	R	20		
MB		3010	-0.0088297							06/17/2004	1740
CCV		M0388	1.02750530		1.00		102.8	%	90-110	06/17/2004	1744
CCB			-0.0080560							06/17/2004	1752
LCS		M351	0.50895908		0.500		101.8	%	80-120	06/17/2004	1756
MB		3010	-0.0116709							06/17/2004	1822
LCS		M351	0.49163556		0.500		98.3	%	80-120	06/17/2004	1829
CCV		M0388	1.00097401		1.00		100.1	%	90-110	06/17/2004	1838
CCB			-0.0036536							06/17/2004	1851
MS	225281-1	M351	0.51428070		0.500	0.00328510	102.2	%	75-125	06/17/2004	1858
CCV		M0388	1.01227287		1.00		101.2	%	90-110	06/17/2004	1934
CCB			-0.0026127							06/17/2004	1942
MB		3050	-0.0156337							06/17/2004	2004
LCS		M351	0.47864663		0.500		95.7	%	59-141	06/17/2004	2011
SB		M383D	0.98600439		0.996		99.0	%	59-141	06/17/2004	2016
MS	225330-5	M351	0.38034934		0.500	-0.0124743	78.6	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.56150971	0.38034934	0.500	-0.0124743	114.8	%	75-125	06/17/2004	2031
							38.5	R	20		
CCV		M0388	1.01868830		1.00		101.9	%	90-110	06/17/2004	2039
CCB			-0.0091973							06/17/2004	2048

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00917977		1.0		100.9	%	90-110	06/17/2004	1450
ICV		M0369	0.99889801		1.00		99.9	%	90-110	06/17/2004	1504
ICB			0.00039581							06/17/2004	1534
ICV		M0393	0.49482465		0.500		99.0	%	90-110	06/17/2004	1538
CCV		M0388	0.52393773		0.50		104.8	%	90-110	06/17/2004	1543
CCB			0.00062577							06/17/2004	1552
MB		3010.	0.00035992							06/17/2004	1615
LCS		M351	0.25514618		0.25		102.1	%	80-120	06/17/2004	1618
CCV		M0388	0.52294855		0.50		104.6	%	90-110	06/17/2004	1649
CCB			0.00104539							06/17/2004	1701
MS	225321-3	M351	0.26392550		0.25	-0.0011780	106.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.26311295	0.26392550	0.25	-0.0011780	105.7	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0003230							06/17/2004	1740
CCV		M0388	0.51546221		0.50		103.1	%	90-110	06/17/2004	1744
CCB			-0.0004869							06/17/2004	1752
'CS		M351	0.25973267		0.25		103.9	%	80-120	06/17/2004	1756
3		3010	0.00134675							06/17/2004	1822
LCS		M351	0.25002895		0.25		100.0	%	80-120	06/17/2004	1829
CCV		M0388	0.51268350		0.50		102.5	%	90-110	06/17/2004	1838
CCB			0.00025155							06/17/2004	1851
MS	225281-1	M351	0.25556825		0.25	-0.0004380	102.4	%	75-125	06/17/2004	1858
CCV		M0388	0.51527805		0.50		103.1	%	90-110	06/17/2004	1934
CCB			0.00101947							06/17/2004	1942
MB		3050	-0.0000599							06/17/2004	2004
LCS		M351	0.25278149		0.25		101.1	%	11-189	06/17/2004	2011
SB		M383D	1.10899962		0.953		116.4	%	11-189	06/17/2004	2016
MS	225330-5	M351	0.24506019		0.25	-0.0084588	101.4	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.24867169	0.24506019	0.25	-0.0084588	102.9	%	75-125	06/17/2004	2031
							1.5	R	20		
CCV		M0388	0.52949131		0.50		105.9	%	90-110	06/17/2004	2039
CCB			-0.0002256							06/17/2004	2048

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

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SEVERN TRENT **STL**

No. 23459

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Encycle Lagoon Closure	PROJECT NAME/NUMBER: Encycle Lagoon Closure
SEND REPORT TO: Ken Brandner, Rich Marcus	BILLING INFORMATION
ADDRESS: 711 N. Carancahua	BILL TO: Encycle
Corpus Christi, TX	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

LAB JOB NO. 225334

17.3°C
just sampled metals only

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se, Ag	REMARKS/PRECAUTIONS
S. Demin Tank	S. Demin Tank	6/16/04	2:30	L	1 pt. poly	HNO_3		1	Rush-need 48hr turnaround.

SAMPLER: Ken Brandner / ARCADIS

SHIPMENT METHOD: In Person

AIRBILL NO.: NA

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY: Ken Brandner	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Brandner	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Ken Brandner / ARCADIS	TIME 3:33	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Olga Veronica McDonald	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME 3:33 pm	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

RUSH TURNAROUND MAY REQUIRE SURCHARGE

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1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

SEVERN TRENT STL

RECEIVED
JUL 19 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225413

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 07/14/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

7/14/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 11

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 07/14/2004

Job Number.: 225413
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE LAGOON CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225413-1	N. DEMIN TANK	Water	06/21/2004	16:15	06/21/2004	16:48

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225413

Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSU ATTN: Richard Marcus

Customer Sample ID: N. DEMIN TANK
Date Sampled.....: 06/21/2004
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 225413-1
Date Received.....: 06/21/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/22/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/22/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Lead (Pb), Total	0.1	0.01	mg/L	06/22/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/22/04	jem
W-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/22/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 95121 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M062204HG	0.00502		0.00500		100.4	%	90-110	06/22/2004	1502
ICB			-0.000107							06/22/2004	1505
LCS		M062204LG	0.00473		0.0050		94.6	%	85-115	06/22/2004	1511
MB			-0.000047							06/22/2004	1516
MS	225365-1	M062204HG	0.00548		0.00500	0.000319	103.2	%	75-125	06/22/2004	1521
MSD	225365-1	M062204HG	0.00496	0.00548	0.00500	0.000319	92.8	%	75-125	06/22/2004	1523
							10.0	R	20		
MS	225397-1	M062204HG	0.00562		0.00500	0.000387	104.7	%	75-125	06/22/2004	1539
MSD	225397-1	M062204HG	0.00510	0.00562	0.00500	0.000387	94.3	%	75-125	06/22/2004	1540
							9.7	R	20		
CCV		M062204HG	0.00466		0.00500		93.2	%	80-120	06/22/2004	1544
CCB			-0.000056							06/22/2004	1547

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.96695670		2.00		98.3	%	90-110	06/22/2004	1418
ICV		M0368	1.01522880		1.00		101.5	%	90-110	06/22/2004	1427
ICV		M0380	1.00861544		1.00		100.9	%	90-110	06/22/2004	1436
ICB			0.00293623							06/22/2004	1502
ICV		M0393	0.50733765		0.500		101.5	%	90-110	06/22/2004	1506
CCV		M0388	1.04389860		1.00		104.4	%	90-110	06/22/2004	1511
CCB			-0.0025383							06/22/2004	1514
MB		3010	0.00103874							06/22/2004	1522
LCS		M351	0.51287692		0.500		102.6	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.69482947		0.500	0.13320981	112.3	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.70567211	0.69482947	0.500	0.13320981	114.5	%	75-125	06/22/2004	1549
							1.5	R	20		
CCV		M0388	1.03072389		1.00		103.1	%	90-110	06/22/2004	1610
CCB			-0.0013636							06/22/2004	1622
CCV		M0388	1.03786486		1.00		103.8	%	90-110	06/22/2004	1704
CCB			-0.0017013							06/22/2004	1717
CCV		M0388	1.03718084		1.00		103.7	%	90-110	06/22/2004	1808
CCB			-0.0005369							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97182808		2.00		98.6	%	90-110	06/22/2004	1418
ICV		M0369	1.02110367		1.00		102.1	%	90-110	06/22/2004	1432
ICB			0.00008654							06/22/2004	1502
ICV		M0393	0.50983068		0.500		102.0	%	90-110	06/22/2004	1506
CCV		M0388	1.02621752		1.00		102.6	%	90-110	06/22/2004	1511
CCB			0.00015082							06/22/2004	1514
MB		3010	-0.0001364							06/22/2004	1522

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M351	0.50511580		0.500		101.0	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.55719105		0.500	0.05360055	100.7	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.56812713	0.55719105	0.500	0.05360055	102.9	%	75-125	06/22/2004	1549
							1.9	R	20		
CCV		M0388	1.02675714		1.00		102.7	%	90-110	06/22/2004	1610
CCB			0.00026471							06/22/2004	1622
CCV		M0388	1.02464757		1.00		102.5	%	90-110	06/22/2004	1704
CCB			-0.0000444							06/22/2004	1717
CCV		M0388	1.02642308		1.00		102.6	%	90-110	06/22/2004	1808
CCB			-0.0001057							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
S		M0387	1.97537756		2.00		98.8	%	90-110	06/22/2004	1418
ICV		M0368	1.02937124		1.00		102.9	%	90-110	06/22/2004	1427
ICV		M0380	1.01626928		1.00		101.6	%	90-110	06/22/2004	1436
ICB			-0.0000270							06/22/2004	1502
ICV		M0393	0.51349649		0.500		102.7	%	90-110	06/22/2004	1506
CCV		M0388	1.02517705		1.00		102.5	%	90-110	06/22/2004	1511
CCB			0.00007459							06/22/2004	1514
MB		3010	-0.0001483							06/22/2004	1522
LCS		M351	0.50298247		0.500		100.6	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.53163707		0.500	0.00250688	105.8	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.53830042	0.53163707	0.500	0.00250688	107.2	%	75-125	06/22/2004	1549
							1.2	R	20		
CCV		M0388	1.02534540		1.00		102.5	%	90-110	06/22/2004	1610
CCB			-0.0003081							06/22/2004	1622
CCV		M0388	1.02026515		1.00		102.0	%	90-110	06/22/2004	1704
CCB			-0.0001096							06/22/2004	1717
CCV		M0388	1.02359784		1.00		102.4	%	90-110	06/22/2004	1808
CCB			-0.0002952							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98426862		2.00		99.2	%	90-110	06/22/2004	1418
ICV		M0368	1.02686171		1.00		102.7	%	90-110	06/22/2004	1427
ICV		M0380	1.01707502		1.00		101.7	%	90-110	06/22/2004	1436
ICB			0.00011589							06/22/2004	1502
ICV		M0393	0.50788903		0.500		101.6	%	90-110	06/22/2004	1506
CCV		M0388	1.02764038		1.00		102.8	%	90-110	06/22/2004	1511
CCB			0.00037324							06/22/2004	1514
		3010	-0.0004015							06/22/2004	1522
		M351	0.50204543		0.500		100.4	%	80-120	06/22/2004	1529

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	225370-1	M351	0.53064217		0.500	0.00626984	104.9	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.53760101	0.53064217	0.500	0.00626984	106.3	%	75-125	06/22/2004	1549
							1.3	R	20		
CCV		M0388	1.02334454		1.00		102.3	%	90-110	06/22/2004	1610
CCB			-0.0002818							06/22/2004	1622
CCV		M0388	1.02653911		1.00		102.7	%	90-110	06/22/2004	1704
CCB			-0.0001797							06/22/2004	1717
CCV		M0388	1.02671419		1.00		102.7	%	90-110	06/22/2004	1808
CCB			-0.0004142							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
S		M0387	2.02323423		2.00		101.2	%	90-110	06/22/2004	1418
CV		M0368	1.05793324		1.00		105.8	%	90-110	06/22/2004	1427
ICV		M0380	1.04647499		1.00		104.6	%	90-110	06/22/2004	1436
ICB			-0.0002476							06/22/2004	1502
ICV		M0393	0.52666598		0.500		105.3	%	90-110	06/22/2004	1506
CCV		M0388	1.05068730		1.00		105.1	%	90-110	06/22/2004	1511
CCB			-0.0012288							06/22/2004	1514
MB		3010	-0.0026935							06/22/2004	1522
LCS		M351	0.51630913		0.500		103.3	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.53284857		0.500	0.02604123	101.4	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.54300026	0.53284857	0.500	0.02604123	103.4	%	75-125	06/22/2004	1549
							1.9	R	20		
CCV		M0388	1.04091022		1.00		104.1	%	90-110	06/22/2004	1610
CCB			-0.0014543							06/22/2004	1622
CCV		M0388	1.03975564		1.00		104.0	%	90-110	06/22/2004	1704
CCB			-0.0021763							06/22/2004	1717
CCV		M0388	1.04423382		1.00		104.4	%	90-110	06/22/2004	1808
CCB			-0.0029962							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97358670		2.00		98.7	%	90-110	06/22/2004	1418
ICV		M0368	1.02287264		1.00		102.3	%	90-110	06/22/2004	1427
ICV		M0380	1.01803276		1.00		101.8	%	90-110	06/22/2004	1436
ICB			0.00474961							06/22/2004	1502
ICV		M0393	0.51349881		0.500		102.7	%	90-110	06/22/2004	1506
CCV		M0388	1.03972970		1.00		104.0	%	90-110	06/22/2004	1511
CCB			0.00013523							06/22/2004	1514
MB		3010	-0.0086398							06/22/2004	1522
		M351	0.49822956		0.500		99.6	%	80-120	06/22/2004	1529
	225370-1	M351	0.58225181		0.500	0.02858052	110.7	%	75-125	06/22/2004	1543

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413

Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)
Batch.....: 95133
Units.....: mg/L
Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MSD	225370-1	M351	0.60367448	0.58225181	0.500	0.02858052	115.0	%	75-125	06/22/2004	1549
							3.6	R	20		
CCV		M0388	1.02693173		1.00		102.7	%	90-110	06/22/2004	1610
CCB			0.00505234							06/22/2004	1622
CCV		M0388	1.02446616		1.00		102.4	%	90-110	06/22/2004	1704
CCB			-0.0087748							06/22/2004	1717
CCV		M0388	1.03184813		1.00		103.2	%	90-110	06/22/2004	1808
CCB			-0.0034733							06/22/2004	1822

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Silver (Ag)
Batch.....: 95133
Units.....: mg/L
Analyst...: jem
Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.99523452		1.0		99.5	%	90-110	06/22/2004	1418
CCV		M0369	1.03375051		1.00		103.4	%	90-110	06/22/2004	1432
ICB			0.00037639							06/22/2004	1502
ICV		M0393	0.51576157		0.500		103.2	%	90-110	06/22/2004	1506
CCV		M0388	0.51780373		0.50		103.6	%	90-110	06/22/2004	1511
CCB			-0.0004370							06/22/2004	1514
MB		3010	0.00076031							06/22/2004	1522
LCS		M351	0.25360022		0.25		101.4	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.27441625		0.25	-0.0039549	111.3	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.28026337	0.27441625	0.25	-0.0039549	113.7	%	75-125	06/22/2004	1549
							2.1	R	20		
CCV		M0388	0.52009164		0.50		104.0	%	90-110	06/22/2004	1610
CCB			0.00030057							06/22/2004	1622
CCV		M0388	0.51995730		0.50		104.0	%	90-110	06/22/2004	1704
CCB			-0.0007394							06/22/2004	1717
CCV		M0388	0.52046534		0.50		104.1	%	90-110	06/22/2004	1808
CCB			0.00006761							06/22/2004	1822

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

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SEVERN TRENT **STL**

No. 23461

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Encycle Lagoon Closure	PROJECT NAME/NUMBER: Encycle Lagoon Closure
SEND REPORT TO: Rich Marcus / Ken Brandner	BILLING INFORMATION
ADDRESS: 711 N. Carancahua	BILL TO: Rich Marcus / Encycle
Corpus Christi, TX	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

22.5°C

LAB JOB NO. 22541 3

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se, Silver (1 pt poly w/ HNO3)								REMARKS/PRECAUTIONS
N. Demin Tank	N. Demin Tank	6/21/04	16:15	L	1 pt poly	HNO3		1								Rush-48 hour Turnaround

SAMPLER: Ken Brandner / ARCADIS SHIPMENT METHOD: In Person AIRBILL NO.: —

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	6/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Kenneth Brandner / ARCADIS	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [signature]	6/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL Corpus	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

Appendix V

ARCADIS

Appendix V

Laboratory Reports – Groundwater Samples

ASARCO

RECEIVED
JAN 05 2004
BY:

December 29, 2003

Mr. Ken Brandner
ARCADIS

Dear Sir:

Please find attached the analytical results and quality control data for seven water samples collected on December 5, 2003 and received by the laboratory on December 9, 2003.

The sample was digested in accordance with the following EPA methods - 3010 for total metals (ICP-OES), 6020M for total metals (ICP-MS) and 245.1 for total mercury on December 10, 2003.

The test results meet the requirements of the National Environmental Laboratory Accreditation Conference, in accordance with Chapter 5 of the 1999 NELAC Standard. EPA digestion method 6020M is not certified by NELAC.

If you need any further information, please call me at (801) 262-2459 ext. 24 or email EHolm@ASARCO.com.

Sincerely,

Eric Holm
Laboratory Technician

Cc: GStanga (w/attach.)
Cc: RMarcus (w/attach.)
Cc: LTangen (w/attach.)

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ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030673

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030673-001	05-DEC-03 10:30	MW-3	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.016	ppm	EH	12-DEC-03	6020
			BA	0.048	ppm	EH	11-DEC-03	6010B
			CD	0.002	ppm	EH	12-DEC-03	6020
			CL-	3175.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.18	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	1.6	ppm	EH	11-DEC-03	6010B
			NA	2347.	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	<0.005	ppm	EH	12-DEC-03	6020
			SO4=	1552.	ppm	EH	10-DEC-03	9036
L030673-002	05-DEC-03 15:30	MW-10	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.047	ppm	EH	12-DEC-03	6020
			BA	0.043	ppm	EH	11-DEC-03	6010B
			CD	0.009	ppm	EH	12-DEC-03	6020
			CL-	749.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.67	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	16.	ppm	EH	11-DEC-03	6010B
			NA	1241.	ppm	EH	16-DEC-03	6010B
			PB	0.008	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	0.007	ppm	EH	12-DEC-03	6020
			SO4=	1714.	ppm	EH	10-DEC-03	9036
L030673-003	05-DEC-03 13:30	MW-6	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.015	ppm	EH	12-DEC-03	6020
			BA	0.055	ppm	EH	11-DEC-03	6010B
			CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	161.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.31	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	0.57	ppm	EH	11-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030673

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030673-003	05-DEC-03 13:30	MW-6	NA	230.	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	0.005	ppm	EH	12-DEC-03	6020
			SO4=	833.	ppm	EH	10-DEC-03	9036
L030673-004	05-DEC-03 14:30	MW-9	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.009	ppm	EH	12-DEC-03	6020
			BA	0.075	ppm	EH	11-DEC-03	6010B
			CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	103.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.46	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	0.81	ppm	EH	11-DEC-03	6010B
			NA	194.	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	<0.005	ppm	EH	12-DEC-03	6020
			SO4=	541.	ppm	EH	10-DEC-03	9036
L030673-005	05-DEC-03 11:30	MW-8	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.023	ppm	EH	12-DEC-03	6020
			BA	0.063	ppm	EH	11-DEC-03	6010B
			CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	5600.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.60	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	0.22	ppm	EH	11-DEC-03	6010B
			NA	4550.	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	0.16	ppm	EH	12-DEC-03	6020
			SO4=	3196.	ppm	EH	10-DEC-03	9036
L030673-006	05-DEC-03 11:45	MW-8 DUPLICATE	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	0.022	ppm	EH	12-DEC-03	6020
			BA	0.064	ppm	EH	11-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030673

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030673-006	05-DEC-03 11:45	MW-8 DUPLICATE	CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	5631.	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	0.41	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	0.24	ppm	EH	11-DEC-03	6010B
			NA	4599.	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	0.15	ppm	EH	12-DEC-03	6020
			SO4=	3208.	ppm	EH	10-DEC-03	9036
L030673-007	05-DEC-03 16:00	FIELD BLANK	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	<0.005	ppm	EH	12-DEC-03	6020
			BA	<0.020	ppm	EH	11-DEC-03	6010B
			CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	<1.0	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	<0.030	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	<0.010	ppm	EH	11-DEC-03	6010B
			NA	<5.0	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	<0.005	ppm	EH	12-DEC-03	6020
			SO4=	<2.0	ppm	EH	10-DEC-03	9036

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030606

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030606-1		QC Matrix Spike	AG	111	%Recovery	EH	11-DEC-03	6010B
			AS	97	%Recovery	EH	12-DEC-03	6020
			BA	99	%Recovery	EH	11-DEC-03	6010B
			CD	84	%Recovery	EH	12-DEC-03	6020
			CL-	100	%Recovery	VK	12-DEC-03	325.2
			CR	98	%Recovery	EH	11-DEC-03	6010B
			FE	104	%Recovery	EH	11-DEC-03	6010B
			HG	93	%Recovery	EH	19-DEC-03	245.1
			MN	100	%Recovery	EH	11-DEC-03	6010B
			PB	92	%Recovery	EH	12-DEC-03	6020
			PHENOL	74	%Recovery	BD	23-DEC-03	420.1
			SE	92	%Recovery	EH	12-DEC-03	6020
			SO4=	94	%Recovery	EH	10-DEC-03	9036
WG030606-2		QC Prep Blank	AG	<0.005	ppm	EH	11-DEC-03	6010B
			AS	<0.005	ppm	EH	12-DEC-03	6020
			BA	<0.020	ppm	EH	11-DEC-03	6010B
			CD	<0.002	ppm	EH	12-DEC-03	6020
			CL-	<1.0	ppm	VK	12-DEC-03	325.2
			CR	<0.020	ppm	EH	11-DEC-03	6010B
			FE	<0.030	ppm	EH	11-DEC-03	6010B
			HG	<0.60	ppb	EH	19-DEC-03	245.1
			MN	<0.010	ppm	EH	11-DEC-03	6010B
			NA	<5.0	ppm	EH	16-DEC-03	6010B
			PB	<0.005	ppm	EH	12-DEC-03	6020
			PHENOL	<0.040	ppm	BD	23-DEC-03	420.1
			SE	<0.005	ppm	EH	12-DEC-03	6020
			SO4=	<2.0	ppm	EH	10-DEC-03	9036
WG030606-3		QC Lab Control Sample	AG	100	%Recovery	EH	11-DEC-03	6010B
			AS	105	%Recovery	EH	12-DEC-03	6020
			BA	92	%Recovery	EH	11-DEC-03	6010B
			CD	100	%Recovery	EH	12-DEC-03	6020
			CL-	98	%Recovery	VK	12-DEC-03	325.2
			CR	97	%Recovery	EH	11-DEC-03	6010B
			FE	104	%Recovery	EH	11-DEC-03	6010B
			HG	106	%Recovery	EH	19-DEC-03	245.1
			MN	101	%Recovery	EH	11-DEC-03	6010B
			NA	99	%Recovery	EH	16-DEC-03	6010B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030606

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
WG030606-3		QC Lab Control Sample	PB	105	%Recovery	EH	12-DEC-03	6020
			PHENOL	92	%Recovery	BD	23-DEC-03	420.1
			SE	106	%Recovery	EH	12-DEC-03	6020
			SO4=	96	%Recovery	EH	10-DEC-03	9036
WG030606-4		QC Duplicate	NA	1.3	% RPD	EH	16-DEC-03	6010B
			PHENOL	<1.0	% RPD	BD	23-DEC-03	420.1
WG030606-5		QC Matrix Spike Duplicate	AG	4.6	% RPD	EH	11-DEC-03	6010B
			AS	<1.0	% RPD	EH	12-DEC-03	6020
			BA	2.5	% RPD	EH	11-DEC-03	6010B
			CD	<1.0	% RPD	EH	12-DEC-03	6020
			CL-	2.0	% RPD	VK	12-DEC-03	325.2
			CR	2.6	% RPD	EH	11-DEC-03	6010B
			FE	2.0	% RPD	EH	11-DEC-03	6010B
			HG	1.1	% RPD	EH	19-DEC-03	245.1
			MN	1.4	% RPD	EH	11-DEC-03	6010B
			PB	<1.0	% RPD	EH	12-DEC-03	6020
			SE	1.0	% RPD	EH	12-DEC-03	6020
			SO4=	1.5	% RPD	EH	10-DEC-03	9036
WG030606-6		QC Reporting Limit	AG	0.005	ppm			6010B
			AS	0.005	ppm			6020
			BA	0.020	ppm			6010B
			CD	0.002	ppm			6020
			CL-	1.0	ppm			325.2
			CR	0.020	ppm			6010B
			FE	0.030	ppm			6010B
			HG	0.60	ppb			245.1
			MN	0.010	ppm			6010B
			NA	5.0	ppm			6010B
			PB	0.005	ppm			6020
			PHENOL	0.040	ppm			420.1
			SE	0.005	ppm			6020
			SO4=	2.0	ppm			9036

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: WG030606

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name CC000643.0001

Project Location Encycle, Corpus Christi, TX

Laboratory ASARCO Lab, Salt Lake City, UT

Project Manager Ken Brandner

Sampler(s)/Affiliation Adrian Garcia/ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Chloride, sulfate (1 pint polyethylene)	Total Metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag, Fe, Mn, Na) - 1 qt poly w/ HNO_3	Phenols (500 ml amber w/ H_2SO_4)	TOC (EPA 5310C) & TOH (EPA 9020B) - Analyze in Replicate (analyze each bottle for TOC & TOH)	500 ml ambers w/ H_2SO_4		Remarks	Total
MW-3	L	12/5/03 10:30		1	1	1	4				7
MW-10	↓	15:30		1	1	1	4				7
MW-6	↓	13:30		1	1	1	4				7
MW-9	↓	14:30		1	1	1	4				7
MW-8	↓	11:30		1	1	1	4				7
MW-8 duplicate	↓	11:45		1	1	1	1				4
Field Blank	↓	16:00		1	1	1	1				4

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 43

Relinquished by: [signature]	Organization: ARCADIS	Date 12/08/2003	Time 18:40	Seal Intact?
Received by: D. Payne FEDEX	Organization: FED-EX	Date 12/08/2003	Time 18:40	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Run TOC & TOH on each bottle (4 per well plus one duplicate and one field blank)
Results to Ken Brandner - normal turnaround.

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

ASARCO

RECEIVED
JAN 15 2004
BY:_____

January 09, 2004

Mr. Ken Brandner
ARCADIS

Dear Sir:

Please find attached the total organic carbon and total organic halogen results for twenty-two water samples collected in association with the Encycle project. Samples were collected on December 05, 2003 and received by the lab on December 09,2003.

The samples were sent to Severn Trent Laboratory in Denver, colorado for analysis. The entire report from Severn Trent is attached.

Sincerely,

Vince Keller
Environmental Laboratory
Coordinator

CC:GRStanga (w/attach.)
RCMarcus (w/attach.)

ASARCO Incorporated • 3422 South 700 West • Salt Lake City, Utah 84119-4191 • (801) 262-2459 • FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030674

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030674-001	05-DEC-03 10:30	MW-3 (DUPLICATE 1)	TOC	15	mg/l	STL*	02-JAN-04	9060
			TOX	85 IC	ug/l	STL*	02-JAN-04	9020B
L030674-002	05-DEC-03 10:30	MW-3 (DUPLICATE 2)	TOC	16	mg/l	STL*	02-JAN-04	9060
			TOX	69 IC	ug/l	STL*	02-JAN-04	9020B
L030674-003	05-DEC-03 10:30	MW-3 (DUPLICATE 3)	TOC	5.9	mg/l	STL*	02-JAN-04	9060
			TOX	28 B IC	ug/l	STL*	02-JAN-04	9020B
L030674-004	05-DEC-03 10:30	MW-3 (DUPLICATE 4)	TOC	6.0	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-005	05-DEC-03 15:30	MW-10 (DUPLICATE 1)	TOC	5.8	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-006	05-DEC-03 15:30	MW-10 (DUPLICATE 2)	TOC	4.3	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-007	05-DEC-03 15:30	MW-10 (DUPLICATE 3)	TOC	4.4	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-008	05-DEC-03 15:30	MW-10 (DUPLICATE 4)	TOC	4.6	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-009	05-DEC-03 13:30	MW-6 (DUPLICATE 1)	TOC	4.5	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-010	05-DEC-03 13:30	MW-6 (DUPLICATE 2)	TOC	5.2	mg/l	STL*	02-JAN-04	9060
			TOX	48 IC	ug/l	STL*	02-JAN-04	9020B
L030674-011	05-DEC-03 13:30	MW-6 (DUPLICATE 3)	TOC	5.2	mg/l	STL*	02-JAN-04	9060
			TOX	48 IC	ug/l	STL*	02-JAN-04	9020B
L030674-012	05-DEC-03 13:30	MW-6 (DUPLICATE 4)	TOC	5.4	mg/l	STL*	02-JAN-04	9060
			TOX	69 IC	ug/l	STL*	02-JAN-04	9020B
L030674-013	05-DEC-03 14:30	MW-9 (DUPLICATE 1)	TOC	21	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

Encycle/Texas

(Project A4TF CT940G0107002)

Batch No: L030674

LAB NO	DATE/TIME COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L030674-014	05-DEC-03 14:30	MW-9 (DUPLICATE 2)	TOC	22	mg/l	STL*	02-JAN-04	9060
			TOX	210 IC	ug/l	STL*	02-JAN-04	9020B
L030674-015	05-DEC-03 14:30	MW-9 (DUPLICATE 3)	TOC	23	mg/l	STL*	02-JAN-04	9060
			TOX	170 IC	ug/l	STL*	02-JAN-04	9020B
L030674-016	05-DEC-03 14:30	MW-9 (DUPLICATE 4)	TOC	23	mg/l	STL*	02-JAN-04	9060
			TOX	110 IC	ug/l	STL*	02-JAN-04	9020B
L030674-017	05-DEC-03 11:30	MW-8 (DUPLICATE 1)	TOC	14	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-018	05-DEC-03 11:30	MW-8 (DUPLICATE 2)	TOC	1.1	mg/l	STL*	02-JAN-04	9060
			TOX	ND	ug/l	STL*	02-JAN-04	9020B
L030674-019	05-DEC-03 11:30	MW-8 (DUPLICATE 3)	TOC	16	mg/l	STL*	02-JAN-04	9060
			TOX	60 IC	ug/l	STL*	02-JAN-04	9020B
L030674-020	05-DEC-03 11:30	MW-8 (DUPLICATE 4)	TOC	17	mg/l	STL*	02-JAN-04	9060
			TOX	85 IC	ug/l	STL*	02-JAN-04	9020B
L030674-021	05-DEC-03 11:45	MW-8 DUPLICATE	TOC	6.2	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B
L030674-022	05-DEC-03 16:00	FIELD BLANK	TOC	4.8	mg/l	STL*	02-JAN-04	9060
			TOX	ND IC	ug/l	STL*	02-JAN-04	9020B

*STL = all analysyses performed by Severn Trent Laboratories
Entire STL report attached
IC = Diluted due to high inorganic chloride.
ND=Not detected at or above the stated limit

Unless otherwise noted results are not blank corrected. NP = Collect time Not Provided.

Approved

Reviewer

SEVERN TRENT STL

STL Denver
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ANALYTICAL REPORT

Encycle

Lot #: D3L110397

Vince Keller

ASARCO Technical Services
3440 South 700 West
Salt Lake City, UT 84119

STL DENVER

Patrick J. McEntee
Project Manager

January 8, 2004

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Case Narrative

Enclosed is the report for twenty-two samples received at STL's Denver laboratory on December 11, 2003. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL's standard reporting limit. These data and reporting limits are being used specifically to meet the needs of this project. Note that data are not customarily reported to these levels without qualifiers because they are inherently less reliable and potentially less defensible than the latest industry standards require.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D3L110397

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 5.9°C.
- Samples L030674-002, L030674-004 L030674-006 L030674-013, were received broken. The client was contacted and instructed the lab to remove aliquots from samples L030674-001, L030674-001, L030674-005 and L030674-014, respectively.
- Samples L030674-019, L030674-20, L030674-21 and L030674-25 were received but not listed on the chain of custody. The client instructed the lab to analyze these samples for TOC and TOX.
- The client instructed to change the id of sample L030674-025 to L030674-022.
- All other sample containers were received in acceptable condition.

Holding Times

- The sample was analyzed within the required holding time.

Method SW846 9020B, Total Organic Halogens

- Samples D3L110397-001 through –017, -019 through -022 required dilutions due to inorganic chloride interference. The reporting limits are elevated relative to the required dilutions. Associated sample results are qualified with an "IC" on the analytical report.
- No other anomalies were observed.

Lot #: D3L110397

Method SW846 9060B, Total Organic Carbon

- Samples D3L110397-001 through –017, -019 through -022 required dilutions due to inorganic chloride interference. The reporting limits are elevated relative to the required dilutions. Associated sample results are qualified with an "IC" on the analytical report.

- No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D3L110397

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L030674-001 12/05/03 001				
Total Organic Carbon	15	1.0	mg/L	SW846 9060
Total Organic Halogens	85 IC	40	ug/L	SW846 9020B
L030674-003 12/05/03 002				
Total Organic Carbon	16	1.0	mg/L	SW846 9060
Total Organic Halogens	69 IC	40	ug/L	SW846 9020B
L030674-005 12/05/03 003				
Total Organic Carbon	5.9	1.0	mg/L	SW846 9060
Total Organic Halogens	28 B,IC	40	ug/L	SW846 9020B
L030674-007 12/05/03 004				
Total Organic Carbon	6.0	1.0	mg/L	SW846 9060
L030674-008 12/05/03 005				
Total Organic Carbon	5.8	1.0	mg/L	SW846 9060
L030674-009 12/05/03 006				
Total Organic Carbon	4.3	1.0	mg/L	SW846 9060
L030674-010 12/05/03 007				
Total Organic Carbon	4.4	1.0	mg/L	SW846 9060
L030674-011 12/05/03 008				
Total Organic Carbon	4.6	1.0	mg/L	SW846 9060
L030674-012 12/05/03 009				
Total Organic Carbon	4.5	1.0	mg/L	SW846 9060

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D3L110397

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L030674-014 12/05/03 010				
Total Organic Carbon	5.2	1.0	mg/L	SW846 9060
Total Organic Halogens	48 IC	40	ug/L	SW846 9020B
L030674-015 12/05/03 011				
Total Organic Carbon	5.2	1.0	mg/L	SW846 9060
Total Organic Halogens	48 IC	40	ug/L	SW846 9020B
L030674-016 12/05/03 012				
Total Organic Carbon	5.4	1.0	mg/L	SW846 9060
Total Organic Halogens	69 IC	40	ug/L	SW846 9020B
L030674-017 12/05/03 013				
Total Organic Carbon	21	1.0	mg/L	SW846 9060
L030674-018 12/05/03 014				
Total Organic Carbon	22	1.0	mg/L	SW846 9060
Total Organic Halogens	210 IC	100	ug/L	SW846 9020B
L030674-019 12/05/03 015				
Total Organic Carbon	23	1.0	mg/L	SW846 9060
Total Organic Halogens	170 IC	100	ug/L	SW846 9020B
L030674-020 12/05/03 016				
Total Organic Carbon	23	1.0	mg/L	SW846 9060
Total Organic Halogens	110 IC	100	ug/L	SW846 9020B
L030674-021 12/05/03 017				
Total Organic Carbon	14	1.0	mg/L	SW846 9060

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D3L110397

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L030674-022 12/05/03 018				
Total Organic Carbon	1.1	1.0	mg/L	SW846 9060
L030674-002 12/05/03 019				
Total Organic Carbon	16	1.0	mg/L	SW846 9060
Total Organic Halogens	60 IC	40	ug/L	SW846 9020B
L030674-004 12/05/03 020				
Total Organic Carbon	17	1.0	mg/L	SW846 9060
Total Organic Halogens	85 IC	40	ug/L	SW846 9020B
L030674-006 12/05/03 021				
Total Organic Carbon	6.2	1.0	mg/L	SW846 9060
L030674-013 12/05/03 022				
Total Organic Carbon	4.8	1.0	mg/L	SW846 9060

METHODS SUMMARY

D3L110397

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D3L110397

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 9020B	Duane Allee	001470
SW846 9060	Duane Allee	001470

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D3L110397

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F6HNL	001	L030674-001	12/05/03	
F6JC3	002	L030674-003	12/05/03	
F6JC4	003	L030674-005	12/05/03	
F6JC5	004	L030674-007	12/05/03	
F6JC8	005	L030674-008	12/05/03	
F6JC9	006	L030674-009	12/05/03	
F6JDA	007	L030674-010	12/05/03	
F6JDC	008	L030674-011	12/05/03	
F6JDD	009	L030674-012	12/05/03	
F6JDE	010	L030674-014	12/05/03	
F6JDF	011	L030674-015	12/05/03	
F6JDG	012	L030674-016	12/05/03	
F6JDH	013	L030674-017	12/05/03	
F6JDJ	014	L030674-018	12/05/03	
F6JDK	015	L030674-019	12/05/03	
F6JDL	016	L030674-020	12/05/03	
F6JDM	017	L030674-021	12/05/03	
F6JDN	018	L030674-022	12/05/03	
F6Q4N	019	L030674-002	12/05/03	
F6Q4P	020	L030674-004	12/05/03	
F6Q4Q	021	L030674-006	12/05/03	
F6Q4T	022	L030674-013	12/05/03	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ASARCO TSC LABORATORY

Client Sample ID: L030674-001

General Chemistry

Lot-Sample #...: D3L110397-001 **Work Order #...:** F6HNL **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**15**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens	**85 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-003

General Chemistry

Lot-Sample #...: D3L110397-002 **Work Order #...:** F6JC3 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**16**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens	**69 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-005

General Chemistry

Lot-Sample #...: D3L110397-003 **Work Order #...:** F6JC4 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**5.9**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**28 B,IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-007

General Chemistry

Lot-Sample #...: D3L110397-004 **Work Order #...:** F6JC5 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**6.0**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-008

General Chemistry

Lot-Sample #...: D3L110397-005 **Work Order #...:** F6JC8 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**5.8**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-009

General Chemistry

Lot-Sample #...: D3L110397-006 **Work Order #...:** F6JC9 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**4.3**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-010

General Chemistry

Lot-Sample #...: D3L110397-007 **Work Order #...:** F6JDA **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**4.4**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-011

General Chemistry

Lot-Sample #...: D3L110397-008 **Work Order #...:** F6JDC **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**4.6**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-012

General Chemistry

Lot-Sample #...: D3L110397-009 **Work Order #...:** F6JDD **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**4.5**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	20	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 2		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-014

General Chemistry

Lot-Sample #...: D3L110397-010 **Work Order #...:** F6JDE **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**5.2**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**48 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-015

General Chemistry

Lot-Sample #...: D3L110397-011 **Work Order #...:** F6JDF **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**5.2**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**48 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-016

General Chemistry

Lot-Sample #...: D3L110397-012 **Work Order #...:** F6JDG **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**5.4**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**69 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-017

General Chemistry

Lot-Sample #...: D3L110397-013 **Work Order #...:** F6JDH **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**21**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	100	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 10		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-018

General Chemistry

Lot-Sample #...: D3L110397-014 **Work Order #...:** F6JDJ **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**22**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**210 IC**	**100**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 10		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-019

General Chemistry

Lot-Sample #...: D3L110397-015 **Work Order #...:** F6JDK **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**23**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**170 IC**	**100**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 10		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-020

General Chemistry

Lot-Sample #...: D3L110397-016 **Work Order #...:** F6JDL **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**23**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	**110 IC**	**100**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 10		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-021

General Chemistry

Lot-Sample #...: D3L110397-017 **Work Order #...:** F6JDM **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**14**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	100	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 10		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-022

General Chemistry

Lot-Sample #...: D3L110397-018 **Work Order #...:** F6JDN **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**1.1**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 19:00		
Total Organic Halogens	ND	10	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 1		Analysis Time..: 12:00		

ASARCO TSC LABORATORY

Client Sample ID: L030674-002

General Chemistry

Lot-Sample #...: D3L110397-019 **Work Order #...:** F6Q4N **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**16**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens	**60 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-004

General Chemistry

Lot-Sample #...: D3L110397-020 **Work Order #...:** F6Q4P **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**17**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003195**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens	**85 IC**	**40**	**ug/L**	**SW846 9020B**	**01/02/04**	**4005342**
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-006

General Chemistry

Lot-Sample #...: D3L110397-021 **Work Order #...:** F6Q4Q **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**6.2**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003196**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005343
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

ASARCO TSC LABORATORY

Client Sample ID: L030674-013

General Chemistry

Lot-Sample #...: D3L110397-022 **Work Order #...:** F6Q4T **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**4.8**	**1.0**	**mg/L**	**SW846 9060**	**01/02/04**	**4003196**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Organic Halogens	ND IC	40	ug/L	SW846 9020B	01/02/04	4005343
		Dilution Factor: 4		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

QC DATA ASSOCIATION SUMMARY

D3L110397

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
002	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
003	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
004	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
005	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
006	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
007	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
008	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
009	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
010	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
011	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
012	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
013	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
014	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D3L110397

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
016	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
017	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
018	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
019	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
020	WATER	SW846 9060		4003195	4005137
	WATER	SW846 9020B		4005342	4005160
021	WATER	SW846 9060		4003196	4005137
	WATER	SW846 9020B		4005343	4005160
022	WATER	SW846 9060		4003196	4005137
	WATER	SW846 9020B		4005343	4005160

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D3L110397 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: F7KMP1AA		MB Lot-Sample #:	D4A050000-342	
	ND	10	ug/L	SW846 9020B	01/02/04	4005342
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Halogens		Work Order #: F7KMR1AA		MB Lot-Sample #:	D4A050000-343	
	ND	10	ug/L	SW846 9020B	01/02/04	4005343
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: F7KFP1AA		MB Lot-Sample #:	D4A030000-195	
	ND	1.0	mg/L	SW846 9060	01/02/04	4003195
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Organic Carbon		Work Order #: F7KFR1AA		MB Lot-Sample #:	D4A030000-196	
	ND	1.0	mg/L	SW846 9060	01/02/04	4003196
		Dilution Factor: 1				
		Analysis Time..: 16:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D3L110397 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:F7KFP1AC-LCS/F7KFP1AD-LCSD				LCS Lot-Sample#: D4A030000-195	
	100	(90 - 110)			SW846 9060	01/02/04	4003195
	107	(90 - 110)	7.3	(0-10)	SW846 9060	01/02/04	4003195
		Dilution Factor: 1			Analysis Time..: 17:00		
Total Organic Carbon		WO#:F7KFR1AC-LCS/F7KFR1AD-LCSD				LCS Lot-Sample#: D4A030000-196	
	107	(90 - 110)			SW846 9060	01/02/04	4003196
	100	(90 - 110)	7.3	(0-10)	SW846 9060	01/02/04	4003196
		Dilution Factor: 1			Analysis Time..: 17:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D3L110397 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:F7KFP1AC-LCS/F7KFP1AD-LCSD				LCS Lot-Sample#: D4A030000-195		
	25.0	24.9	mg/L	100		SW846 9060	01/02/04	4003195
	25.0	26.8	mg/L	107	7.3	SW846 9060	01/02/04	4003195
		Dilution Factor: 1				Analysis Time..: 17:00		
Total Organic Carbon		WO#:F7KFR1AC-LCS/F7KFR1AD-LCSD				LCS Lot-Sample#: D4A030000-196		
	25.0	26.8	mg/L	107		SW846 9060	01/02/04	4003196
	25.0	24.9	mg/L	100	7.3	SW846 9060	01/02/04	4003196
		Dilution Factor: 1				Analysis Time..: 17:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D3L110397 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: F7KMP1AC	LCS Lot-Sample#: D4A050000-342		
	88	(75 - 113)	SW846 9020B	01/02/04	4005342
		Dilution Factor: 1	Analysis Time..: 12:00		
Total Organic Halogens		Work Order #: F7KMR1AC	LCS Lot-Sample#: D4A050000-343		
	88	(75 - 113)	SW846 9020B	01/02/04	4005343
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D3L110397 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			Work Order #: F7KMP1AC		LCS Lot-Sample#: D4A050000-342		
	100	88.0	ug/L	88	SW846 9020B	01/02/04	4005342
			Dilution Factor: 1		Analysis Time..: 12:00		
Total Organic Halogens			Work Order #: F7KMR1AC		LCS Lot-Sample#: D4A050000-343		
	100	88.0	ug/L	88	SW846 9020B	01/02/04	4005343
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D3L110397 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#: F6JDD1AD-MS/F6JDD1AE-MSD				MS Lot-Sample #: D3L110397-009	
	104	(75 - 113)			SW846 9020B	01/02/04	4005342
	103	(75 - 113)	1.2	(0-30)	SW846 9020B	01/02/04	4005342
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Organic Carbon		WO#: F6JDM1AD-MS/F6JDM1AE-MSD				MS Lot-Sample #: D3L110397-017	
	106	(85 - 117)			SW846 9060	01/02/04	4003195
	107	(85 - 117)	0.85	(0-10)	SW846 9060	01/02/04	4003195
		Dilution Factor: 1					
		Analysis Time..: 18:00					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D3L110397 **Matrix.....:** WATER
Date Sampled...: 12/05/03 **Date Received..:** 12/11/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			WO#: F6JDD1AD-MS/F6JDD1AE-MSD				MS Lot-Sample #: D3L110397-009		
	ND	400	418	ug/L	104		SW846 9020B	01/02/04	4005342
	ND	400	413	ug/L	103	1.2	SW846 9020B	01/02/04	4005342
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Organic Carbon			WO#: F6JDM1AD-MS/F6JDM1AE-MSD				MS Lot-Sample #: D3L110397-017		
	14	25.0	40.6	mg/L	106		SW846 9060	01/02/04	4003195
	14	25.0	41.0	mg/L	107	0.85	SW846 9060	01/02/04	4003195
			Dilution Factor: 1						
			Analysis Time..: 18:00						

NOTE(S):

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

SEVERN TRENT STL

RECEIVED
JUL 26 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225451

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 07/21/2004

Olga Veronica McDonald
Signature

Date 7/21/04

Name: Olga V. McDonald

Title: Project Manager

E-Mail: omcdonald@stl-inc.com

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 37

SEVERN TRENT STL

CASE NARRATIVE

Job Number 225451

July 22, 2004

Phenol Analysis

Samples 225451-1 through 6 and 8 were analyzed for phenol using EPA Method 420.1. The percent recovery result for the LCS was below the acceptance criteria. The associated LCD was within acceptable limits and the data are therefore reported.

Please contact me at 361-289-2673 or omcdonald@stl-inc.com if you have any questions regarding this report or if we can be of further assistance.

Olga Verónica McDonald

Olga Verónica McDonald
Project Manager

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 07/21/2004

Job Number.: 225451
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: LAGOON CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225451-1	MW-3	Water	06/22/2004	12:00	06/23/2004	09:46
225451-2	MW-6	Water	06/22/2004	12:30	06/23/2004	09:46
225451-3	MW-6 DUPLICATE	Water	06/22/2004	13:00	06/23/2004	09:46
225451-4	MW-8	Water	06/22/2004	13:30	06/23/2004	09:46
225451-5	MW-9	Water	06/22/2004	14:00	06/23/2004	09:46
225451-6	MW-10	Water	06/22/2004	14:30	06/23/2004	09:46
225451-7	TRIP BLANK	Water	06/22/2004	00:00	06/23/2004	09:46
225451-8	FIELD BLANK	Water	06/22/2004	15:00	06/23/2004	09:46

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-3
Date Sampled.....: 06/22/2004
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 225451-1
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	3000	100	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	1510	20	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.03	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	<0.25	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	1.55	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	2690	62.5	mg/L	07/01/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	6	1	mg/L	07/14/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	7	1	mg/L	07/13/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	5	1	mg/L	07/14/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	6	1	mg/L	07/14/04	dev

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-6
Date Sampled.....: 06/22/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 225451-2
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	130	10	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	660	20	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.04	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	<0.25	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	0.43	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	226	62.5	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	1	1	mg/L	07/14/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	1	1	mg/L	07/14/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	2	1	mg/L	07/14/04	dev
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	2	1	mg/L	07/14/04	dev

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-6 DUPLICATE
Date Sampled.....: 06/22/2004
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 225451-3
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	140	10	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	650	20	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	<0.25	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	0.42	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	191	62.5	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	1	1	mg/L	07/14/04	dev

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-8
Date Sampled.....: 06/22/2004
Time Sampled.....: 13:30
Sample Matrix.....: Water

Laboratory Sample ID: 225451-4
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	2900	100	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	1800	100	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.18	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.06	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	0.44	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.03	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	0.17	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.06	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	1810	62.5	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	6	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	7	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	7	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	6	1	mg/L	07/19/04	*he

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451 Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-9
Date Sampled.....: 06/22/2004
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 225451-5
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	180	10	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	1000	20	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.04	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	0.37	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	1.02	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	263	62.5	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	3	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	3	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	3	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	3	1	mg/L	07/19/04	*he

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451 Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: MW-10
Date Sampled.....: 06/22/2004
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 225451-6
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	500	10	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	2760	50	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	0.05	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.03	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	0.88	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.04	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	967	62.5	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	4	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	4	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	4	1	mg/L	07/19/04	*he
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	4	1	mg/L	07/19/04	*he

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/22/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 225451-7
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	<1	1	mg/L	07/19/04	*he

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225451

Date: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: FIELD BLANK
Date Sampled.....: 06/22/2004
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 225451-8
Date Received.....: 06/23/2004
Time Received.....: 09:46

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
EPA 300.0	Chloride	<0.5	0.5	mg/L	07/02/04	tjo
EPA 300.0	Sulfate (SO4)	<1	1	mg/L	07/02/04	tjo
EPA 420.1	Phenol, Total Recoverable	<0.005	0.005	mg/L	07/01/04	cnw
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Barium (Ba), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Iron (Fe), Total	<0.25	0.25	mg/L	06/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Manganese (Mn), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/24/04	jem
SW-846 6010B	Sodium (Na), Total	<0.625	0.625	mg/L	06/30/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/24/04	hmz
EPA 415.1	Organic Carbon, Nonpurgeable, Tot. (TOC)	<1	1	mg/L	07/14/04	dev

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 7470A | Batch.....: 95367 | Analyst...: edr
Method Description.: Mercury (CVAA) | Units.....: mg/L | Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M062804HG	0.00484		0.00500		96.8	%	90-110	06/28/2004	1500
ICB			0.000058							06/28/2004	1502
LCS		M062804LG	0.00505		0.0050		101.0	%	85-115	06/28/2004	1507
MB			0.000065							06/28/2004	1540
MS	225420-2	M062804HG	0.00592		0.00500	0.000103	116.3	%	75-125	06/28/2004	1554
MSD	225420-2	M062804HG	0.00580	0.00592	0.00500	0.000103	113.9	%	75-125	06/28/2004	1556
							2.0	R	20		
CCV		M062804HG	0.00505		0.00500		101.0	%	80-120	06/28/2004	1559
CCB			0.000110							06/28/2004	1603
CCV		M062804HG	0.00508		0.00500		101.6	%	80-120	06/28/2004	1621
CCB			0.000126							06/28/2004	1624
LCS		M062804LG	0.00491		0.0050		98.2	%	85-115	06/28/2004	1626
MB			-0.000187							06/28/2004	1627
MS	225424-1	M062804HG	0.00496		0.00500	0.000061	98.0	%	75-125	06/28/2004	1639
MSD	225424-1	M062804HG	0.00470	0.00496	0.00500	0.000061	92.8	%	75-125	06/28/2004	1641
							5.4	R	20		
CCV		M062804HG	0.00484		0.00500		96.8	%	80-120	06/28/2004	1652
CB			-0.000097							06/28/2004	1655

Test Method.....: EPA 300.0 | Batch.....: 95603 | Analyst...: tjo
Method Description.: Ion Chromatography Analysis | Units.....: mg/L | Test Code.: CHL
Parameter.....: Chloride

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070104	0.1301							07/01/2004	1400
CCV		IC040701V	9.9581		10.00		99.6	%	90-110	07/01/2004	1415
MB		070104	0.1264							07/01/2004	1430
LCS		IC040701LS	10.0279		10.00		100.3	%	90-110	07/01/2004	1444
LCD		IC040701LD	10.0510	10.0279	10.00	10.0279	100.5	%	90-110	07/01/2004	1459
							0.2	R	20		
CCB		070104	0.1069							07/01/2004	1811
CCV		IC040701V	9.9263		10.00		99.3	%	90-110	07/01/2004	1826
MS	225463-2	IC040701S	10.5194		10.00	0.1490	103.7	%	75-125	07/01/2004	1855
MSD	225463-2	IC040701S	10.5056	10.5194	10.00	0.1490	103.6	%	75-125	07/01/2004	1910
							0.1	R	20		
MS	225442-1	IC040701S	15.4664		10.00	4.6716	107.9	%	75-125	07/01/2004	1940
MSD	225442-1	IC040701S	15.3798	15.4664	10.00	4.6716	107.1	%	75-125	07/01/2004	1954
							0.6	R	20		
CCB		070104	0.1445							07/01/2004	2207
CCV		IC040701V	9.9919		10.00		99.9	%	90-110	07/01/2004	2222
MB		070104	0.1008							07/01/2004	2237
LCS		IC040701LS	10.0235		10.00		100.2	%	90-110	07/01/2004	2252
LCD		IC040701LD	10.0382	10.0235	10.00	10.0235	100.4	%	90-110	07/01/2004	2306
							0.1	R	20		
MS	225309-1	IC040701S	15.3631		10.00	4.8914	104.7	%	75-125	07/01/2004	2351
MSD	225309-1	IC040701S	15.3212	15.3631	10.00	4.8914	104.3	%	75-125	07/02/2004	0006
							0.3	R	20		
CCB		070104	0.1409							07/02/2004	0218
CCV		IC040701V	10.0400		10.00		100.4	%	90-110	07/02/2004	0233
S	225453-1	IC040701S	16.0847		10.00	5.5582	105.3	%	75-125	07/02/2004	0347
SD	225453-1	IC040701S	16.2161	16.0847	10.00	5.5582	106.6	%	75-125	07/02/2004	0402
							0.8	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: EPA 300.0 | Batch.....: 95603 | Analyst...: tjo
Method Description.: Ion Chromatography Analysis | Units.....: mg/L | Test Code.: CHL
Parameter.....: Chloride

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070104	0.1548							07/02/2004	0545
CCV		IC040701V	10.0728		10.00		100.7	%	90-110	07/02/2004	0600

Test Method.....: EPA 300.0 | Batch.....: 95607 | Analyst...: tjo
Method Description.: Ion Chromatography Analysis | Units.....: mg/L | Test Code.: CHL
Parameter.....: Chloride

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070204	0.1530							07/02/2004	1100
CCV		IC040702V	10.0228		10.00		100.2	%	90-110	07/02/2004	1115
MB		070204	0.0975							07/02/2004	1130
LCS		IC040702LS	10.1164		10.00		101.2	%	90-110	07/02/2004	1144
LCD		IC040702LD	9.7375	10.1164	10.00	10.1164	97.4	%	90-110	07/02/2004	1159
							3.8	R	20		
MS	225463-2	IC040702S	11.8348		10.00	0.5062	113.3	%	75-125	07/02/2004	1243
SD	225463-2	IC040702S	10.7526	11.8348	10.00	0.5062	102.5	%	75-125	07/02/2004	1258
							9.6	R	20		
MS	225451-4	IC040702S	26.3674		10.00	27.8798	-15.1	%	75-125	07/02/2004	1412
MSD	225451-4	IC040702S	26.3737	26.3674	10.00	27.8798	-15.1	%	75-125	07/02/2004	1427
							0.0	R	20		
CCB		070204	0.1057							07/02/2004	1541
CCV		IC040702V	10.0822		10.00		100.8	%	90-110	07/02/2004	1555
CCB		070204	0.1091							07/02/2004	1838
CCV		IC040702V	10.0610		10.00		100.6	%	90-110	07/02/2004	1853
MB		070204	0.1070							07/02/2004	1908
LCS		IC040702LS	10.0989		10.00		101.0	%	90-110	07/02/2004	1922
LCD		IC040702LD	9.8300	10.0989	10.00	10.0989	98.3	%	90-110	07/02/2004	1937
							2.7	R	20		
MS	225493-1	IC040702S	15.5750		10.00	5.6722	99.0	%	75-125	07/02/2004	2007
MSD	225493-1	IC040702S	15.5293	15.5750	10.00	5.6722	98.6	%	75-125	07/02/2004	2021
							0.3	R	20		
MS	225451-4	IC040702S	21.5042		10.00	11.5569	99.5	%	75-125	07/02/2004	2106
MSD	225451-4	IC040702S	21.4892	21.5042	10.00	11.5569	99.3	%	75-125	07/02/2004	2120
							0.1	R	20		
CCB		070204	0.1511							07/02/2004	2135
CCV		IC040702V	10.1036		10.00		101.0	%	90-110	07/02/2004	2150

Test Method.....: EPA 420.1 | Batch.....: 95529 | Analyst...: cnw
Method Description.: Phenols, Total Recoverable | Units.....: mg/L | Test Code.: PHENTR
Parameter.....: Phenol, Total Recoverable

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070104	0.0037							07/01/2004	0815
CCV		PNL040701F	0.0408		0.04000		102.0	%	90-110	07/01/2004	0833
MB		070104	0.0023							07/01/2004	0850
LCS		PNL040701C	0.0250		0.05000		50.0	%	66-128	07/01/2004	0908
LCD		PNL040701C	0.0436		0.05000		87.2	%	66-128	07/01/2004	0925
S	225451-1	PNL040701G	0.0307		0.06000	0.0048	43.2	%	75-125	07/01/2004	1001
MSD	225451-1	PNL040701G	0.0396	0.0307	0.06000	0.0048	58.0	%	75-125	07/01/2004	1018
							25.3	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451

Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: EPA 420.1
Method Description.: Phenols, Total Recoverable
Parameter.....: Phenol, Total Recoverable
Batch.....: 95529
Units.....: mg/L
Analyst...: cnw
Test Code.: PHENTR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070104	0.0026							07/01/2004	1314
CCV		PNL040701F	0.03997		0.04000		99.9	%	90-110	07/01/2004	1332
MS	225577-6	PNL040701G	0.0478		0.06000	0.0015	77.2	%	75-125	07/01/2004	1459
MSD	225577-6	PNL040701G	0.0467	0.0478	0.06000	0.0015	75.3	%	75-125	07/01/2004	1517
							2.3	R	20		
CCB		070104	0.0037							07/01/2004	1627
CCV		PNL040701F	0.0405		0.04000		101.2	%	90-110	07/01/2004	1645

Test Method.....: EPA 300.0
Method Description.: Ion Chromatography Analysis
Parameter.....: Sulfate (SO4)
Batch.....: 95603
Units.....: mg/L
Analyst...: tjo
Test Code.: SO4

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070104	0							07/01/2004	1400
CCV		IC040701V	40.5920		40.0032		101.5	%	90-110	07/01/2004	1415
		070104	-0.0329							07/01/2004	1430
LCS		IC040701LS	40.4786		40.0032		101.2	%	90-110	07/01/2004	1444
LCD		IC040701LD	40.6387	40.4786	40.0032	40.4786	101.6	%	90-110	07/01/2004	1459
							0.4	R	20		
CCB		070104	0							07/01/2004	1811
CCV		IC040701V	40.6863		40.0032		101.7	%	90-110	07/01/2004	1826
CCB		070104	0							07/01/2004	2207
CCV		IC040701V	40.7070		40.0032		101.8	%	90-110	07/01/2004	2222
MB		070104	0							07/01/2004	2237
LCS		IC040701LS	40.6414		40.0032		101.6	%	90-110	07/01/2004	2252
LCD		IC040701LD	40.6964	40.6414	40.0032	40.6414	101.7	%	90-110	07/01/2004	2306
							0.1	R	20		
MS	225309-1	IC040701S	43.4874		40.0032	6.9915	91.2	%	75-125	07/01/2004	2351
MSD	225309-1	IC040701S	45.0530	43.4874	40.0032	6.9915	95.1	%	75-125	07/02/2004	0006
							3.5	R	20		
CCB		070104	-0.0052							07/02/2004	0218
CCV		IC040701V	40.7938		40.0032		102.0	%	90-110	07/02/2004	0233
MS	225453-1	IC040701S	49.9326		40.0032	5.6762	110.6	%	75-125	07/02/2004	0347
MSD	225453-1	IC040701S	50.1689	49.9326	40.0032	5.6762	111.2	%	75-125	07/02/2004	0402
							0.5	R	20		
CCB		070104	0							07/02/2004	0545
CCV		IC040701V	41.0672		40.0032		102.7	%	90-110	07/02/2004	0600

Test Method.....: EPA 300.0
Method Description.: Ion Chromatography Analysis
Parameter.....: Sulfate (SO4)
Batch.....: 95607
Units.....: mg/L
Analyst...: tjo
Test Code.: SO4

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		070204	0							07/02/2004	1100
CCV		IC040702V	40.9234		40.0032		102.3	%	90-110	07/02/2004	1115
MB		070204	0							07/02/2004	1130
LCS		IC040702LS	41.2172		40.0032		103.0	%	90-110	07/02/2004	1144
LCD		IC040702LD	39.9268	41.2172	40.0032	41.2172	99.8	%	90-110	07/02/2004	1159
							3.2	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: EPA 300.0 | Batch.....: 95607 | Analyst...: tjo
Method Description.: Ion Chromatography Analysis | Units.....: mg/L | Test Code.: SO4
Parameter.....: Sulfate (SO4)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	225451-4	IC040702S	57.0393		40.0032	18.0064	97.6	%	75-125	07/02/2004	1412
MSD	225451-4	IC040702S	56.9142	57.0393	40.0032	18.0064	97.3	%	75-125	07/02/2004	1427
							0.2	R	20		
CCB		070204	0							07/02/2004	1541
CCV		IC040702V	40.6561		40.0032		101.6	%	90-110	07/02/2004	1555
CCB		070204	0							07/02/2004	1838
CCV		IC040702V	40.7065		40.0032		101.8	%	90-110	07/02/2004	1853

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99484333		2.00		99.7	%	90-110	06/24/2004	1545
ICV		M0368	1.00401187		1.00		100.4	%	90-110	06/24/2004	1555
V		M0380	1.00894259		1.00		100.9	%	90-110	06/24/2004	1604
.CB			0.00425928							06/24/2004	1618
ICB			-0.0051356							06/24/2004	1630
ICV		M0393	0.49835869		0.500		99.7	%	90-110	06/24/2004	1633
CCV		M0388	1.02082721		1.00		102.1	%	90-110	06/24/2004	1639
CCB			-0.0026153							06/24/2004	1649
MB		3010.	-0.0054970							06/24/2004	1714
LCS		M351	0.49528878		0.500		99.1	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.52285881		0.500	-0.0008076	104.7	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.51688200	0.52285881	0.500	-0.0008076	103.5	%	75-125	06/24/2004	1739
							1.1	R	20		
CCV		M0388	1.01918488		1.00		101.9	%	90-110	06/24/2004	1751
CCB			-0.0007444							06/24/2004	1805
CCV		M0388	1.01563568		1.00		101.6	%	90-110	06/24/2004	1844
CCB			-0.0049290							06/24/2004	1858
MB		3010	-0.0036958							06/24/2004	1926
MB		3010.	0.00106149							06/24/2004	1930
LCS		M351	0.49822940		0.500		99.6	%	80-120	06/24/2004	1933
CCV		M0388	1.00594735		1.00		100.6	%	90-110	06/24/2004	1939
CCB			-0.0055019							06/24/2004	1953
MS	225451-6	M351	0.56834106		0.500	0.04837769	104.0	%	75-125	06/24/2004	2003
MSD	225451-6	M351	0.60147742	0.56834106	0.500	0.04837769	110.6	%	75-125	06/24/2004	2009
							5.7	R	20		
CCV		M0388	1.01936692		1.00		101.9	%	90-110	06/24/2004	2037
CCB			-0.0005822							06/24/2004	2047
MB		3050.	-0.0035672							06/24/2004	2127
LCS		M351	0.50532512		0.500		101.1	%	66-134	06/24/2004	2130
CCV		M0388	1.02745017		1.00		102.7	%	90-110	06/24/2004	2135
CCB			-0.0020791							06/24/2004	2149
LCS		M383D	2.23361501		2.31		96.7	%	66-134	06/24/2004	2153
MS	225457-1	M351	0.48965301		0.500	0.02915637	92.1	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.52360678	0.48965301	0.500	0.02915637	98.9	%	75-125	06/24/2004	2215
							6.7	R	20		
CCV		M0388	1.02235448		1.00		102.2	%	90-110	06/24/2004	2235
B			-0.0053253							06/24/2004	2249
CCV		M0388	1.03586231		1.00		103.6	%	90-110	06/24/2004	2329

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0027549							06/24/2004	2342

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00688781		2.00		100.3	%	90-110	06/24/2004	1545
ICV		M0369	1.02787779		1.00		102.8	%	90-110	06/24/2004	1600
ICB			-0.0001502							06/24/2004	1618
ICB			-0.0000265							06/24/2004	1630
ICV		M0393	0.51593334		0.500		103.2	%	90-110	06/24/2004	1633
CCV		M0388	1.02402798		1.00		102.4	%	90-110	06/24/2004	1639
CCB			0.00009932							06/24/2004	1649
MB		3010.	-0.0001089							06/24/2004	1714
S		M351	0.50751872		0.500		101.5	%	80-120	06/24/2004	1717
S	225458-1	M351	0.57013445		0.500	0.05984387	102.1	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.56636046	0.57013445	0.500	0.05984387	101.3	%	75-125	06/24/2004	1739
							0.7	R	20		
CCV		M0388	1.02860767		1.00		102.9	%	90-110	06/24/2004	1751
CCB			0.00007919							06/24/2004	1805
CCV		M0388	1.02120019		1.00		102.1	%	90-110	06/24/2004	1844
CCB			0.00017148							06/24/2004	1858
MB		3010	-0.0002026							06/24/2004	1926
MB		3010.	-0.0004624							06/24/2004	1930
LCS		M351	0.50211021		0.500		100.4	%	80-120	06/24/2004	1933
CCV		M0388	1.01488448		1.00		101.5	%	90-110	06/24/2004	1939
CCB			0.00006057							06/24/2004	1953
MS	225451-6	M351	0.49646964		0.500	0.02826416	93.6	%	75-125	06/24/2004	2003
MSD	225451-6	M351	0.52495978	0.49646964	0.500	0.02826416	99.3	%	75-125	06/24/2004	2009
							5.6	R	20		
CCV		M0388	1.01933959		1.00		101.9	%	90-110	06/24/2004	2037
CCB			0.00023261							06/24/2004	2047
MB		3050.	0.00003790							06/24/2004	2127
LCS		M351	0.51629004		0.500		103.3	%	58-142	06/24/2004	2130
CCV		M0388	1.01862379		1.00		101.9	%	90-110	06/24/2004	2135
CCB			-0.0000873							06/24/2004	2149
LCS		M383D	8.94115824		10.00		89.4	%	58-142	06/24/2004	2153
MS	225457-1	M351	1.07476522		0.500	0.58057241	98.8	%	75-125	06/24/2004	2210
MSD	225757-1	M351	1.19210708	1.07476522	0.500	0.58057241	122.3	%	75-125	06/24/2004	2215
							10.4	R	20		
CCV		M0388	1.01739165		1.00		101.7	%	90-110	06/24/2004	2235
CCB			-0.0000770							06/24/2004	2249
CCV		M0388	1.01747507		1.00		101.7	%	90-110	06/24/2004	2329
CCB			0.00003156							06/24/2004	2342

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00666234		2.00		100.3	%	90-110	06/24/2004	1545
ICV		M0368	1.02470544		1.00		102.5	%	90-110	06/24/2004	1555
ICV		M0380	1.01783369		1.00		101.8	%	90-110	06/24/2004	1604
ICB			-0.0002255							06/24/2004	1618
ICB			-0.0001721							06/24/2004	1630
ICV		M0393	0.51836050		0.500		103.7	%	90-110	06/24/2004	1633
CCV		M0388	1.01695137		1.00		101.7	%	90-110	06/24/2004	1639
CCB			-0.0000578							06/24/2004	1649
MB		3010.	-0.0004060							06/24/2004	1714
LCS		M351	0.50406065		0.500		100.8	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.51045551		0.500	-0.0001705	102.1	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.50437485	0.51045551	0.500	-0.0001705	100.9	%	75-125	06/24/2004	1739
							1.2	R	20		
CCV		M0388	1.01991932		1.00		102.0	%	90-110	06/24/2004	1751
CCB			-0.0003519							06/24/2004	1805
CCV		M0388	1.01380249		1.00		101.4	%	90-110	06/24/2004	1844
CCB			-0.0002529							06/24/2004	1858
		3010	-0.0002336							06/24/2004	1926
MB		3010.	-0.0004147							06/24/2004	1930
LCS		M351	0.49881953		0.500		99.8	%	80-120	06/24/2004	1933
CCV		M0388	1.00849203		1.00		100.8	%	90-110	06/24/2004	1939
CCB			-0.0002905							06/24/2004	1953
MS	225451-6	M351	0.48623516		0.500	0.00707699	95.8	%	75-125	06/24/2004	2003
MSD	225451-6	M351	0.51071961	0.48623516	0.500	0.00707699	100.7	%	75-125	06/24/2004	2009
							4.9	R	20		
CCV		M0388	1.01939811		1.00		101.9	%	90-110	06/24/2004	2037
CCB			-0.0003027							06/24/2004	2047
MB		3050.	-0.0002108							06/24/2004	2127
LCS		M351	0.50512457		0.500		101.0	%	73-127	06/24/2004	2130
CCV		M0388	1.02081893		1.00		102.1	%	90-110	06/24/2004	2135
CCB			-0.0000724							06/24/2004	2149
LCS		M383D	1.12262871		1.27		88.4	%	73-127	06/24/2004	2153
MS	225457-1	M351	0.44616884		0.500	0.00707869	87.8	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.46833549	0.44616884	0.500	0.00707869	92.3	%	75-125	06/24/2004	2215
							4.8	R	20		
CCV		M0388	1.01732873		1.00		101.7	%	90-110	06/24/2004	2235
CCB			-0.0002798							06/24/2004	2249
CCV		M0388	1.02354712		1.00		102.4	%	90-110	06/24/2004	2329
CCB			-0.0003967							06/24/2004	2342

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01012172		2.00		100.5	%	90-110	06/24/2004	1545
ICV		M0368	1.02091742		1.00		102.1	%	90-110	06/24/2004	1555
ICV		M0380	1.01428459		1.00		101.4	%	90-110	06/24/2004	1604
ICB			0.00189824							06/24/2004	1618
ICB			0.00010097							06/24/2004	1630
ICV		M0393	0.51098000		0.500		102.2	%	90-110	06/24/2004	1633

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.01571078		1.00		101.6	%	90-110	06/24/2004	1639
CCB			0.00004904							06/24/2004	1649
MB		3010.	-0.0000595							06/24/2004	1714
LCS		M351	0.50413165		0.500		100.8	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.51885836		0.500	0.00534811	102.7	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.51548511	0.51885836	0.500	0.00534811	102.0	%	75-125	06/24/2004	1739
							0.7	R	20		
CCV		M0388	1.01954729		1.00		102.0	%	90-110	06/24/2004	1751
CCB			0.00018766							06/24/2004	1805
CCV		M0388	1.01263093		1.00		101.3	%	90-110	06/24/2004	1844
CCB			-0.0000534							06/24/2004	1858
MB		3010	-0.0002855							06/24/2004	1926
MB		3010.	-0.0003039							06/24/2004	1930
LCS		M351	0.50140086		0.500		100.3	%	80-120	06/24/2004	1933
CCV		M0388	1.01107539		1.00		101.1	%	90-110	06/24/2004	1939
CCB			-0.0001878							06/24/2004	1953
MS	225451-6	M351	0.48587407		0.500	0.00673430	95.8	%	75-125	06/24/2004	2003
D	225451-6	M351	0.51256242	0.48587407	0.500	0.00673430	101.2	%	75-125	06/24/2004	2009
							5.3	R	20		
CCV		M0388	1.02155792		1.00		102.2	%	90-110	06/24/2004	2037
CCB			0.00011602							06/24/2004	2047
MB		3050.	-0.0000401							06/24/2004	2127
LCS		M351	0.51512653		0.500		103.0	%	72-127	06/24/2004	2130
CCV		M0388	1.02175797		1.00		102.2	%	90-110	06/24/2004	2135
CCB			-0.0000330							06/24/2004	2149
LCS		M383D	1.88835380		2.07		91.2	%	72-127	06/24/2004	2153
MS	225457-1	M351	0.74672061		0.500	0.25530790	98.3	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.78594311	0.74672061	0.500	0.25530790	106.1	%	75-125	06/24/2004	2215
							5.1	R	20		
CCV		M0388	1.02577117		1.00		102.6	%	90-110	06/24/2004	2235
CCB			0.00008980							06/24/2004	2249
CCV		M0388	1.02714471		1.00		102.7	%	90-110	06/24/2004	2329
CCB			-0.0001106							06/24/2004	2342

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: FE
Parameter.....: Iron (Fe)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	4.01811691		4.00		100.5	%	90-110	06/24/2004	1545
ICV		M0368	1.08452324		1.00		108.5	%	90-110	06/24/2004	1555
ICV		M0380	1.04961551		1.00		105.0	%	90-110	06/24/2004	1604
ICB			-0.0031249							06/24/2004	1618
ICB			0.48904172							06/24/2004	1630
CCV		M0388	2.05919796		2.00		103.0	%	90-110	06/24/2004	1639
CCB			0.00354221							06/24/2004	1649
MB		3010.	0.01559033							06/24/2004	1714
LCS		M351	1.00342360		1.00		100.3	%	80-120	06/24/2004	1717
MS	225458-1	M351	2.21921340		1.00	1.16512305	105.4	%	75-125	06/24/2004	1733
D	225458-1	M351	2.19180443	2.21921340	1.00	1.16512305	102.7	%	75-125	06/24/2004	1739
							1.2	R	20		

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: FE
Parameter.....: Iron (Fe)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	2.04719083		2.00		102.4	%	90-110	06/24/2004	1751
CCB			-0.0047395							06/24/2004	1805
CCV		M0388	2.03103515		2.00		101.6	%	90-110	06/24/2004	1844
CCB			-0.0055486							06/24/2004	1858
MB		3010	-0.0085648							06/24/2004	1926
MB		3010.	-0.0052081							06/24/2004	1930
LCS		M351	0.99268929		1.00		99.3	%	80-120	06/24/2004	1933
CCV		M0388	2.02747468		2.00		101.4	%	90-110	06/24/2004	1939
CCB			-0.0056102							06/24/2004	1953
MS	225451-6	M351	2.01748637		1.00	1.01282861	100.5	%	75-125	06/24/2004	2003
MSD	225451-6	M351	2.17847326	2.01748637	1.00	1.01282861	116.6	%	75-125	06/24/2004	2009
							7.7	R	20		
CCV		M0388	2.07181167		2.00		103.6	%	90-110	06/24/2004	2037
CCB			-0.0010516							06/24/2004	2047
CCV		M0388	2.05461638		2.00		102.7	%	90-110	06/24/2004	2135
CCB			-0.0047818							06/24/2004	2149

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00708114		2.00		100.4	%	90-110	06/24/2004	1545
ICV		M0368	1.03534571		1.00		103.5	%	90-110	06/24/2004	1555
ICV		M0380	1.03639094		1.00		103.6	%	90-110	06/24/2004	1604
ICB			-0.0065064							06/24/2004	1618
ICB			-0.0033763							06/24/2004	1630
ICV		M0393	0.51679122		0.500		103.4	%	90-110	06/24/2004	1633
CCV		M0388	1.02248983		1.00		102.2	%	90-110	06/24/2004	1639
CCB			-0.0074178							06/24/2004	1649
MB		3010.	-0.0036559							06/24/2004	1714
LCS		M351	0.49925124		0.500		99.9	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.50051281		0.500	-0.0034557	100.8	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.50021708	0.50051281	0.500	-0.0034557	100.7	%	75-125	06/24/2004	1739
							0.1	R	20		
CCV		M0388	1.02304375		1.00		102.3	%	90-110	06/24/2004	1751
CCB			-0.0062029							06/24/2004	1805
CCV		M0388	1.01659109		1.00		101.7	%	90-110	06/24/2004	1844
CCB			-0.0058363							06/24/2004	1858
MB		3010	-0.0059190							06/24/2004	1926
MB		3010.	-0.0055045							06/24/2004	1930
LCS		M351	0.49557241		0.500		99.1	%	80-120	06/24/2004	1933
CCV		M0388	1.01161424		1.00		101.2	%	90-110	06/24/2004	1939
CCB			-0.0070244							06/24/2004	1953
MS	225451-6	M351	0.47178628		0.500	0.00683760	93.0	%	75-125	06/24/2004	2003
MSD	225451-6	M351	0.49943544	0.47178628	0.500	0.00683760	98.5	%	75-125	06/24/2004	2009
							5.7	R	20		
CCV		M0388	1.01967156		1.00		102.0	%	90-110	06/24/2004	2037
CCB			-0.0082822							06/24/2004	2047
		3050.	-0.0072873							06/24/2004	2127
LCS		M351	0.51231103		0.500		102.5	%	71-129	06/24/2004	2130

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02634637		1.00		102.6	%	90-110	06/24/2004	2135
CCB			-0.0097125							06/24/2004	2149
LCS		M383D	1.87955991		2.04		92.1	%	71-129	06/24/2004	2153
MS	225457-1	M351	0.54269638		0.500	0.11249107	86.0	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.59418075	0.54269638	0.500	0.11249107	96.3	%	75-125	06/24/2004	2215
							9.1	R	20		
CCV		M0388	1.02175888		1.00		102.2	%	90-110	06/24/2004	2235
CCB			-0.0075846							06/24/2004	2249
CCV		M0388	1.03368759		1.00		103.4	%	90-110	06/24/2004	2329
CCB			-0.0090868							06/24/2004	2342

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: MN
Parameter.....: Manganese (Mn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00829013		2.00		100.4	%	90-110	06/24/2004	1545
ICV		M0368	1.02581991		1.00		102.6	%	90-110	06/24/2004	1555
ICV		M0380	0.99276204		1.00		99.3	%	90-110	06/24/2004	1604
ICB			-0.0000820							06/24/2004	1618
ICB			-0.0001523							06/24/2004	1630
ICV		M0393	0.51572598		0.500		103.1	%	90-110	06/24/2004	1633
CCV		M0388	1.02362267		1.00		102.4	%	90-110	06/24/2004	1639
CCB			0.00003710							06/24/2004	1649
MB		3010.	-0.0001221							06/24/2004	1714
LCS		M351	0.50969039		0.500		101.9	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.55510748		0.500	0.04133894	102.8	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.54825431	0.55510748	0.500	0.04133894	101.4	%	75-125	06/24/2004	1739
							1.2	R	20		
CCV		M0388	1.02748209		1.00		102.7	%	90-110	06/24/2004	1751
CCB			-0.0000386							06/24/2004	1805
CCV		M0388	1.02204722		1.00		102.2	%	90-110	06/24/2004	1844
CCB			-0.0000088							06/24/2004	1858
MB		3010	0.00040589							06/24/2004	1926
MB		3010.	0.00025367							06/24/2004	1930
LCS		M351	0.50531070		0.500		101.1	%	80-120	06/24/2004	1933
CCV		M0388	1.01417475		1.00		101.4	%	90-110	06/24/2004	1939
CCB			0.00001001							06/24/2004	1953
CCV		M0388	1.02170537		1.00		102.2	%	90-110	06/24/2004	2037
CCB			0.00030942							06/24/2004	2047
MB		3050.	0.00004858							06/24/2004	2127
LCS		M351	0.53170586		0.500		106.3	%	75-125	06/24/2004	2130
CCV		M0388	1.02073136		1.00		102.1	%	90-110	06/24/2004	2135
CCB			0.00003661							06/24/2004	2149
LCS		M383D	5.10080369		5.68		89.8	%	75-125	06/24/2004	2153
CCV		M0388	1.02468548		1.00		102.5	%	90-110	06/24/2004	2235
CCB			0.00048852							06/24/2004	2249
CCV		M0388	1.02362831		1.00		102.4	%	90-110	06/24/2004	2329
CCB			0.00041030							06/24/2004	2342

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99744701		2.00		99.9	%	90-110	06/24/2004	1545
ICV		M0368	1.02562633		1.00		102.6	%	90-110	06/24/2004	1555
ICV		M0380	1.02445441		1.00		102.4	%	90-110	06/24/2004	1604
ICB			-0.0035528							06/24/2004	1618
ICB			0.00718152							06/24/2004	1630
ICV		M0393	0.50947465		0.500		101.9	%	90-110	06/24/2004	1633
CCV		M0388	1.01276487		1.00		101.3	%	90-110	06/24/2004	1639
CCB			0.00019551							06/24/2004	1649
MB		3010.	0.00885510							06/24/2004	1714
LCS		M351	0.49310566		0.500		98.6	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.51496127		0.500	0.00836136	101.3	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.51542866	0.51496127	0.500	0.00836136	101.4	%	75-125	06/24/2004	1739
							0.1	R	20		
CCV		M0388	1.01019345		1.00		101.0	%	90-110	06/24/2004	1751
CCB			0.00209131							06/24/2004	1805
CCV		M0388	1.00912877		1.00		100.9	%	90-110	06/24/2004	1844
CB			-0.0075707							06/24/2004	1858
		3010	0.00478119							06/24/2004	1926
MB		3010.	-0.0063609							06/24/2004	1930
LCS		M351	0.49370196		0.500		98.7	%	80-120	06/24/2004	1933
CCV		M0388	1.00508530		1.00		100.5	%	90-110	06/24/2004	1939
CCB			0.00872186							06/24/2004	1953
MS	225451-6	M351	0.53639758		0.500	0.03060337	101.2	%	75-125	06/24/2004	2003
MSD	225451-6	M351	0.56782815	0.53639758	0.500	0.03060337	107.4	%	75-125	06/24/2004	2009
							5.7	R	20		
CCV		M0388	1.02476222		1.00		102.5	%	90-110	06/24/2004	2037
CCB			0.00836742							06/24/2004	2047
MB		3050.	-0.0025120							06/24/2004	2127
LCS		M351	0.47796133		0.500		95.6	%	59-141	06/24/2004	2130
CCV		M0388	1.00723200		1.00		100.7	%	90-110	06/24/2004	2135
CCB			0.00328707							06/24/2004	2146
LCS		M383D	0.92839728		0.996		93.2	%	59-141	06/24/2004	2153
MS	225457-1	M351	0.37843763		0.500	-0.0384044	83.4	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.39549010	0.37843763	0.500	-0.0384044	86.8	%	75-125	06/24/2004	2215
							4.4	R	20		
CCV		M0388	0.99669679		1.00		99.7	%	90-110	06/24/2004	2235
CCB			0.00072057							06/24/2004	2249
CCV		M0388	1.02710305		1.00		102.7	%	90-110	06/24/2004	2329
CCB			0.00298455							06/24/2004	2334

Test Method.....: SW-846 6010B Batch.....: 95240 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00233957		1.0		100.2	%	90-110	06/24/2004	1545
ICV		M0369	1.03334308		1.00		103.3	%	90-110	06/24/2004	1600
ICB			-0.0011571							06/24/2004	1618
CB			-0.0007159							06/24/2004	1630
V		M0393	0.51649281		0.500		103.3	%	90-110	06/24/2004	1633
CCV		M0388	0.51187828		0.50		102.4	%	90-110	06/24/2004	1639

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 95240 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00000523							06/24/2004	1649
MB		3010.	0.00004587							06/24/2004	1714
LCS		M351	0.25163790		0.25		100.7	%	80-120	06/24/2004	1717
MS	225458-1	M351	0.25497757		0.25	-0.0006260	102.2	%	75-125	06/24/2004	1733
MSD	225458-1	M351	0.24998148	0.25497757	0.25	-0.0006260	100.2	%	75-125	06/24/2004	1739
							2.0	R	20		
CCV		M0388	0.51370281		0.50		102.7	%	90-110	06/24/2004	1751
CCB			0.00071293							06/24/2004	1805
CCV		M0388	0.50931937		0.50		101.9	%	90-110	06/24/2004	1844
CCB			-0.0010719							06/24/2004	1858
MB		3010	0.00008374							06/24/2004	1926
MB		3010.	-0.0000597							06/24/2004	1930
LCS		M351	0.24881467		0.25		99.5	%	80-120	06/24/2004	1933
CCV		M0388	0.51049592		0.50		102.1	%	90-110	06/24/2004	1939
CCB			-0.0001518							06/24/2004	1953
MS	225451-6	M351	0.24477956		0.25	-0.0047010	99.8	%	75-125	06/24/2004	2003
`D	225451-6	M351	0.25778288	0.24477956	0.25	-0.0047010	105.0	%	75-125	06/24/2004	2009
							5.2	R	20		
CCV		M0388	0.51547739		0.50		103.1	%	90-110	06/24/2004	2037
CCB			-0.0015434							06/24/2004	2047
MB		3050.	-0.0005079							06/24/2004	2127
LCS		M351	0.25268764		0.25		101.1	%	11-189	06/24/2004	2130
CCV		M0388	0.51581476		0.50		103.2	%	90-110	06/24/2004	2135
CCB			-0.0001419							06/24/2004	2149
LCS		M383D	1.01402653		0.953		106.4	%	11-189	06/24/2004	2153
MS	225457-1	M351	0.22587889		0.25	-0.0050557	92.4	%	75-125	06/24/2004	2210
MSD	225757-1	M351	0.23885647	0.22587889	0.25	-0.0050557	97.6	%	75-125	06/24/2004	2215
							5.6	R	20		
CCV		M0388	0.51776548		0.50		103.6	%	90-110	06/24/2004	2235
CCB			-0.0012829							06/24/2004	2249
CCV		M0388	0.51986230		0.50		104.0	%	90-110	06/24/2004	2329
CCB			0.00007903							06/24/2004	2342

Test Method.....: SW-846 6010B | Batch.....: 95497 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: NA
Parameter.....: Sodium (Na)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0386	47.0036		50.0		94.0	%	90-110	06/30/2004	1516
ICB			-0.0439							06/30/2004	1535
CCV		M0389	25.2299		25.0		100.9	%	90-110	06/30/2004	1546
CCB			-0.0009							06/30/2004	1553
MB		3010	-0.0554							06/30/2004	1647
LCS		M351	2.4371		2.50		97.5	%	80-120	06/30/2004	1650
PDS	225281-1	M351D	11.3805		10.0	1.4642	99.2	%	75-125	06/30/2004	1710
PSD	225281-1	M351D	11.3739	11.3805	10.0	1.4642	99.1	%	75-125	06/30/2004	1711
							0.1	R	20		
MB		3050	-0.0362							06/30/2004	1714
`S		M351	2.4667		2.50		98.7	%	80-120	06/30/2004	1718
JS	225414-1	M351D	10.7064		10.0	-0.0428	107.5	%	75-125	06/30/2004	1731
PSD	225414-1	M351D	10.5793	10.7064	10.0	-0.0428	106.2	%	75-125	06/30/2004	1732
							1.2	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 | Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: LAGOON CLOSURE | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 95497 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: NA
Parameter.....: Sodium (Na)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0389	23.9067		25.0		95.6	%	90-110	06/30/2004	1753
CCB			0.0032							06/30/2004	1755
MB		3010	-0.0162							06/30/2004	1819
LCS		M351	2.4900		2.50		99.6	%	80-120	06/30/2004	1823
MB		3010	-0.0217							06/30/2004	1853
LCS		M351	2.4984		2.50		99.9	%	80-120	06/30/2004	1856
PDS	225451-1	M351D	10.1286		10.0	-0.0080	101.4	%	75-125	06/30/2004	1905
PSD	225451-1	M351D	10.3016	10.1286	10.0	-0.0080	103.1	%	75-125	06/30/2004	1907
							1.7	R	20		
CCV		M0389	24.7858		25.0		99.1	%	90-110	06/30/2004	1919
CCB			0.0012							06/30/2004	1920
MB		3010	-0.0194							06/30/2004	1923
LCS		M351	2.5913		2.50		103.7	%	80-120	06/30/2004	1925
MB		3010	-0.0238							06/30/2004	1935
LCS		M351	2.5340		2.50		101.4	%	80-120	06/30/2004	1937
MB		3010	-0.0235							06/30/2004	1953
LCS		M351	2.4763		2.50		99.1	%	80-120	06/30/2004	1954
		3010	-0.0159							06/30/2004	2000
LCS		M351	2.3485		2.50		93.9	%	80-120	06/30/2004	2002
CCV		M0389	22.8278		25.0		91.3	%	90-110	06/30/2004	2008
CCB			-0.0086							06/30/2004	2009
CCV		M0389	23.2784		25.0		93.1	%	90-110	06/30/2004	2033
CCB			0.0051							06/30/2004	2037
ICV		M0369	0.9937		1.00		99.4	%	90-110	06/30/2004	2045
ICV		M0393	0.5190		0.500		103.8	%	90-110	06/30/2004	2049
CCB			0.0039							06/30/2004	2100

Test Method.....: SW-846 6010B | Batch.....: 95538 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: NA
Parameter.....: Sodium (Na)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0386	49.4751		50.0		99.0	%	90-110	07/01/2004	1341
ICV		M0369	1.0285		1.00		102.8	%	90-110	07/01/2004	1356
ICB			-0.0025							07/01/2004	1537
CCV		M0389	25.5102		25.0		102.0	%	90-110	07/01/2004	1601
CCB			-0.0006							07/01/2004	1623
MB		3010	0.0049							07/01/2004	1645
LCS		M351	2.8626		2.50		114.5	%	80-120	07/01/2004	1653
MB		3010	0.0578							07/01/2004	1656
LCS		M351	2.5520		2.50		102.1	%	80-120	07/01/2004	1658
PDS	225634-1	M351D	18.1237		10.0	8.9572	91.7	%	75-125	07/01/2004	1708
PSD	225634-1	M351D	18.9961	18.1237	10.0	8.9572	100.4	%	75-125	07/01/2004	1710
							4.7	R	20		
MB		3010	0.0431							07/01/2004	1714
LCS		M351	2.5664		2.50		102.7	%	80-120	07/01/2004	1717
CCV		M0389	23.7741		25.0		95.1	%	90-110	07/01/2004	1733
CCB			0.0362							07/01/2004	1736

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225451 Report Date.: 07/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: EPA 415.1 Batch.....: 105792 Analyst...: *he
Method Description.: Organic Carbon Units.....: mg/L Test Code.: TOC
Parameter.....: Organic Carbon, Nonpurgeable, Tot. (TOC)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RIN		E	1.302							07/19/2004	1059
RIN		E	0.451							07/19/2004	1108
BK			0.000							07/19/2004	1117
1.0			1.000							07/19/2004	1126
10.			10.000							07/19/2004	1136
25.			25.000							07/19/2004	1145
ICV		WCS31612A	10.991		10.00		109.9	%	85.0-115.	07/19/2004	1154
ICB			0.085							07/19/2004	1203
MB			0.069							07/19/2004	1212
LCS		WCS31612A	10.969		10.00		109.7	%	85.0-115.	07/19/2004	1221
DU	277602-1		8.541			8.348	2.3	R	20	07/19/2004	1239
MS	277602-1	WC3048	19.267		10.000000	8.348	109.2	%	80-120	07/19/2004	1248
CCB			0.101							07/19/2004	1400
CCV		WCS31612A	11.082		10.00		110.8	%	85.0-115.	07/19/2004	1409
MB			0.059							07/19/2004	1418
LCS		WCS31612A	11.097		10.00		111.0	%	85.0-115.	07/19/2004	1427
DU	277621-3		4.424			4.301	0.123		1.000	07/19/2004	1445
MS	277621-3	WC3048	5.960		10.000000	4.301	16.6	%	80-120	07/19/2004	1454
CCB			0.084							07/19/2004	1606
CCV		WCS31612A	11.177		10.00		111.8	%	85.0-115.	07/19/2004	1615
DU	277622-2		1.429			1.450	0.021		1.000	07/19/2004	1633
MS	277622-2	WC3048	4.681		10.000000	1.450	32.3	%	80-120	07/19/2004	1642
CCB			0.126							07/19/2004	1753
CCV		WCS31612A	10.897		10.00		109.0	%	85.0-115.	07/19/2004	1802
MB			0.066							07/19/2004	1811
LCS		WCS31612A	11.015		10.00		110.2	%	85.0-115.	07/19/2004	1820
DU	277637-3		9.674			9.749	0.8	R	20	07/19/2004	1847
MS	277637-3	WC3048	20.919		10.000000	9.749	111.7	%	80-120	07/19/2004	1856
CCB			0.082							07/19/2004	1914
CCV		WCS31612A	10.996		10.00		110.0	%	85.0-115.	07/19/2004	1923

Test Method.....: EPA 415.1 Batch.....: 95927 Analyst...: dev
Method Description.: Organic Carbon Units.....: mg/L Test Code.: TOC
Parameter.....: Organic Carbon, Nonpurgeable, Tot. (TOC)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB		071304	0.1624							07/13/2004	1843
ICV		TOC040713J	9.8826		10.00		98.8	%	90-110	07/13/2004	1930
MB		071304	0.0397							07/13/2004	2017
LCS		TOC040713K	9.9326		10.00		99.3	%	86-113	07/13/2004	2105
LCD		TOC040713K	9.8561	9.9326	10.00	9.9326	98.6	%	86-113	07/13/2004	2152
							0.8	R	20		
MS	225451-1	TOC040713J	15.6991		10.00	6.6207	90.8	%	75-125	07/13/2004	2326
MSD	225451-1	TOC040713J	15.7245	15.6991	10.00	6.6207	91.0	%	75-125	07/14/2004	0013
							0.2	R	20		
CCB		071304	-0.0434							07/14/2004	0805
CCV		TOC040713J	9.7189		10.00		97.2	%	90-110	07/14/2004	0852

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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Original

Subcontract Laboratory

Report

SEVERN TRENT STL

STL Mobile 900 Lakeside Drive - Mobile AL 36693 Telephone:(251) 666-6633 Fax:(251) 666-6696

Analytical Report

For: Ms. Olga McDonald
STL Corpus Christi
1733 North Padre Island Drive
Corpus Christi, TX 78408
CC:

Order Number: M434892
SDG Number:
Client Project ID:
Project:
Report Date: 07/15/2004
Sampled By: Client
Sample Received Date: 06/25/2004
Requisition Number:
Purchase Order: 225451

7/16/04

Dale Darley, Project Manager
ddarley@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

SEVERN TRENT STL

STL Mobile 900 Lakeside Drive - Mobile AL 36693 Telephone:(251) 666-6633 Fax:(251) 666-6696

Sample Summary

Order: M434892
Date Received: 06/25/2004

Client: STL Corpus Christi
Project:

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
225451-1	M434892*1	Liquid	06/22/2004 12:00
225451-1	M434892*1-RE	Liquid	06/22/2004 12:00
225451-2	M434892*2	Liquid	06/22/2004 12:30
225451-2	M434892*2-RE	Liquid	06/22/2004 12:30
225451-3	M434892*3	Liquid	06/22/2004 13:00
225451-4	M434892*4	Liquid	06/22/2004 13:30
225451-4	M434892*4-RE	Liquid	06/22/2004 13:30
225451-5	M434892*5	Liquid	06/22/2004 14:00
225451-5	M434892*5-RE	Liquid	06/22/2004 14:00
225451-6	M434892*6	Liquid	06/22/2004 14:30
225451-6	M434892*6-RE	Liquid	06/22/2004 14:30
225451-7	M434892*7	Liquid	06/22/2004 00:00
225451-8	M434892*8	Liquid	06/22/2004 15:00

SEVERN TRENT STL

STL Mobile 900 Lakeside Drive - Mobile AL 36693 Telephone:(251) 666-6633 Fax:(251) 666-6696

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
34892-1	225451-1	Liquid	06/25/04	06/22/04 12:00	
34892-1-RE	225451-1	Liquid	06/25/04	06/22/04 12:00	
34892-2	225451-2	Liquid	06/25/04	06/22/04 12:30	
34892-2-RE	225451-2	Liquid	06/25/04	06/22/04 12:30	
34892-3	225451-3	Liquid	06/25/04	06/22/04 13:00	

Parameter	Units	Lab Sample IDs 34892-1	34892-1-RE	34892-2	34892-2-RE	34892-3
Total Organic Halogen (9020B)						
Total Organic Halogen	ug/l	1100	1100	50	51	30
First Volume Analyzed	ml	2.0	2.0	25	25	25
First Volume Results	ug/l	980	1100	50	47	29
Second Volume Analyzed	ml	4.0	4.0	50	100	50
Second Volume Results	ug/l	1100	1100	48	54	34
Analysis Date		06/29/04	07/02/04	07/13/04	07/13/04	07/13/04
Analysis Time		14:23	13:38	11:07	10:34	11:40
Analyst		AP	AP	JO	JO	JO

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
34892-4	225451-4	Liquid	06/25/04	06/22/04 13:30	
34892-4-RE	225451-4	Liquid	06/25/04	06/22/04 13:30	
34892-5	225451-5	Liquid	06/25/04	06/22/04 14:00	
34892-5-RE	225451-5	Liquid	06/25/04	06/22/04 14:00	
34892-6	225451-6	Liquid	06/25/04	06/22/04 14:30	

Parameter	Units	Lab Sample IDs 34892-4	34892-4-RE	34892-5	34892-5-RE	34892-6
Total Organic Halogen (9020B)						
Total Organic Halogen	ug/l	550	490	60	51	190
First Volume Analyzed	ml	4.0	4.0	25	25	25
First Volume Results	ug/l	500	510	60	48	200
Second Volume Analyzed	ml	8.0	8.0	50	50	50
Second Volume Results	ug/l	600	470	60	54	180
Analysis Date		07/02/04	06/29/04	07/02/04	07/13/04	07/02/04
Analysis Time		11:23	17:50	13:01	12:13	13:51
Analyst		AP	AP	AP	JO	AP

SEVERN TRENT STL

STL Mobile 900 Lakeside Drive - Mobile AL 36693 Telephone:(251) 666-6633 Fax:(251) 666-6696

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
34892-6-RE	225451-6	Liquid	06/25/04	06/22/04 14:30	
34892-7	225451-7	Liquid	06/25/04	06/22/04 00:00	
34892-8	225451-8	Liquid	06/25/04	06/22/04 15:00	

Parameter	Units	Lab Sample IDs 34892-6-RE	34892-7	34892-8
Total Organic Halogen (9020B)				
Total Organic Halogen	ug/l	190	<10	<10
First Volume Analyzed	ml	25	25	25
First Volume Results	ug/l	200	<10	<10
Second Volume Analyzed	ml	50	50	50
Second Volume Results	ug/l	180	<10	<10
Analysis Date		07/02/04	07/02/04	07/02/04
Analysis Time		14:24	14:57	14:48
Analyst		AP	AP	AP

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
34892-9	Method Blank	Liquid	06/25/04		
34892-10	Lab Control Standard % Recovery	Liquid	06/25/04		
34892-11	Precision (%RPD) of LCS/LCSD	Liquid	06/25/04		

Parameter	Units	Lab Sample IDs 34892-9	34892-10	34892-11
Total Organic Halogen (9020B)				
Total Organic Halogen	ug/l	<10	101 %	7.8 %
Analysis Date		07/02/04	07/02/04	
Analysis Time		08:24	08:41	

SEVERN TRENT **STL**

No. 23730

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: STL Corpus Christi	PROJECT NAME/NUMBER:
SEND REPORT TO: Olga McDonald	**BILLING INFORMATION**
ADDRESS:	BILL TO:
	ADDRESS: same
PHONE: 361 / 289-2673	PHONE:
FAX: 361 / 289-2471	FAX: PO NO:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	TOX 9020 (Quads)	TOX 9020 (Single)	REMARKS/PRECAUTIONS
	225451-1	6/22/04	12:00	Water	1 L Amber	H_2SO_4	1	X		Attn: Dale Darley
	225451-2		12:30				1	X		
	225451-3		13:00				1		X	
	225451-4		13:30				1	X		
	225451-5		14:00				1	X		
	225451-6		14:30				1	X		
	225451-7		—				1		X	
	225451-8		15:00				1		X	

SAMPLER: SHIPMENT METHOD: AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☒ OTHER 7-day

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Olga Veronica McDonald	6/24/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME 14:22	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [illegible]	6/25/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME 837	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

M434892

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

End of

Subcontract Laboratory

Report(s)

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/21/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/21/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

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ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Project Number/Name CC000643.0001

Project Location Encycle, Corpus Christi, TX

Laboratory STL

Project Manager K. Brandner

Sampler(s)/Affiliation A. Garcia/ARCADIS

0.7 0.2
0.7 0.5
0.8 1.0

22545

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) Iron, Manganese, Sodium	Chloride and Sulfate	Poly Phenols	Amber (1L) w/ H_2SO_4	Total Organic Carbon	500ml Amber w/ H_2SO_4	Total Organic Halogen	1L Amber w/ H_2SO_4	Remarks	Total
MW-3	L	06-22-2004 12:00		1	1	1	4	4				Confirm analyses w/ P.M.	11
MW-6	L	12:30		1	1	1	4	3 4					10
MW-6 Duplicate	L	13:00		1	1	1	1	1					5
MW-8	L	13:30		1	1	1	4	4					11
MW-9	L	14:00		1	1	1	4	4					11
MW-10	L	14:30		1	1	1	4	4					11
Trip Blank	L	—					1	1					2
Field Blank	L	15:00		1	1	1	1	1					5

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers ~~68~~ 67 AEG

Relinquished by: [signature]	Organization: ARCADIS	Date 06/23/2004	Time 09:46	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL TC	Date 6/23/04	Time 0946	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Direct Bill to Encycle, Results to: K. Brandner (ARCADIS) and R. Marcus (Encycle)

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01