RCRA FACILITY INVESTIGATION REPORT

VOLUME I of III

Prepared For

Encycle/Texas, Inc., Corpus Christi, Texas

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ARCADIS

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RCRA Facility Investigation Report

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Corpus Christi, Texas

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RCRA Facility Investigation Report

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1. Executive Summary

A RCRA Facility Investigation (RFI) was conducted at the Encycle/Texas, Inc. (Encycle) facility between 2000 and 2002. Twenty-one SWMUs were investigated during the RFI, including 20 on-site SWMUs and the Grain Elevator, which is a 54-acre tract located directly west of the Encycle facility. A total of 173 soil sample borings and 11 additional monitor wells were installed during the RFI, and soil and groundwater samples were analyzed for the constituents of concern (COCs) currently or previously managed at the facility, which include 18 metals and cyanide.

COC concentrations in soils were generally highest at the surface (0-6"), and at least one COC in surface soils at each SWMU exceeded background levels. The highest COC concentrations in surface soils were located in the Railroad Tracks Area near the center of the site. COC concentrations in soil generally decreased with depth and with distance away from each SWMU. COC concentrations in soil at the saturated zone were generally low, particularly in the topographically higher southern half of the site, which includes the main plant process area where most of the SWMUs are located. COC concentrations in soil at three SWMUs (Reactor Clarifier, Building North of Facility 2, Road Leading West of Building C) declined to background levels above the saturated zone. At the other 18 SWMUs, at least one COC in soil exceeded background levels at the saturated zone.

Several soil samples with elevated total metal concentrations were analyzed for leachable metal concentrations using the synthetic precipitation leaching procedure (SPLP). SPLP metal concentrations were generally low. With the exception of cadmium in several soil samples, SPLP metal concentrations did not exceed the Texas Natural Resource Conservation Commission (TNRCC) Risk Reduction Standard No. 2 (RRS2) groundwater protection standards adjusted for saline groundwater. The SPLP data indicates the mobility of metals in soil at the site is relatively low.

The topographically higher southern half of the site is located on the Beaumont Formation, and shallow groundwater in the Beaumont Formation is moderately saline. The topographically lower northern half of the site is located on fill and spoil materials and alluvium (fill/alluvium), and shallow groundwater in the fill/alluvium is saline. Water level data indicates shallow groundwater flow is in a general northerly to northwesterly direction toward the Corpus Christi Ship Channel, and groundwater in the Beaumont Formation flows into the fill/alluvium, which contains naturally saline groundwater.

Analytical data from the nine existing and 11 newly installed monitor wells show that COC concentrations in the groundwater were generally low to non-detectable. All constituent concentrations in the groundwater samples were significantly below the RRS2 groundwater protection standards adjusted for saline groundwater.

The groundwater analytical data collected during the RFI is consistent with soil analytical data that showed COC concentrations were generally highest in surface soils and decreased with depth prior to reaching the saturated zone.

Following receipt of the RFI analytical data, the above-ground soil piles in the Boneyard (approximately 660 cubic yards) were disposed of at a Class I Hazardous Waste Landfill as an interim corrective measure. Based on the relatively low mobility of COCs in soil at the site, and the low COC concentrations in groundwater, no additional interim corrective measures are recommended at this time. Preparation of a baseline risk assessment (BLRA) and additional soil delineation west of the West Lagoon are recommended.

2. Introduction

This report documents the results of an RFI conducted between 2000 and 2002 at the Encycle facility located at 5500 Up River Road in Corpus Christi, Texas. The site location is shown on Figure 1. The primary purpose of the RFI was to determine the presence, magnitude, nature, extent, and rate of migration of any releases of hazardous wastes or hazardous constituents from the Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) at the facility. The data obtained during the RFI also was used to identify actual or potential receptors, and to support the development of a baseline risk assessment (BLRA) and corrective measures study (CMS).

The RFI was conducted as specified in the January 31, 2000 RFI Work Plan approved by the TNRCC on May 2, 2000, and as modified by the June 6, 2000 Grain Elevator Work Plan approved by the TNRCC on October 5, 2000. The scope of the RFI included construction of 2 geotechnical soil borings, 12 lithologic soil borings, 173 soil sample borings, and 11 monitor wells. Groundwater samples were collected from the 9 existing monitor wells and 11 newly installed monitor wells, and two aquifer tests were conducted.

This report has been prepared in accordance with Part VII.B. of the Consent Decree issued to Encycle/Texas, Inc. and ASARCO, Inc., which was entered in the U.S. District Court for the Southern District of Texas on October 6, 1999. This report is organized into twelve sections. An overview of current and historic site operations is provided in Section 3. A summary of previous environmental investigations conducted at the site is provided in Section 4. A chronology of the RFI events is provided in Section 5. RFI field investigation procedures are detailed in Section 6. A description of the site and area geology and hydrology is provided in Section 7. The RFI soil and groundwater analytical results are provided and evaluated in Section 8. Identification of potential receptors and interim corrective measures are provided in Section 9. The summary and conclusions of the RFI are provided in Section 10. Recommendations are provided in Section 11, and report references are provided in Section 12.

3. Site Background Information

3.1 Site Operations

The Encycle facility is approximately 108 acres in size and is located at 5500 Up River Road in Corpus Christi, Texas. The Encycle facility is bordered by the Corpus Christi Ship Channel to the north; McBride Lane and Valero Refining (formerly Coastal

Refining) to the east; Up River Road, a gasoline service station (LPST ID No. 94543), and vacant lots to the south; and a public grain elevator to the west. The site location is shown on Figure 1.

The subject site was originally developed by American Smelting and Refining Company (now ASARCO, Inc.) in 1941 to process mineral ores for the production of high grade zinc. The facility began operation in 1942 and produced high grade zinc from sulfide ore concentrates using electrolyte purification circuits and pyrometallurgical processes. Facility operations expanded in 1956 to increase production of zinc, and the zinc products including high grade zinc, continuous galvanizing grade zinc, and zinc alloys. Cadmium and zinc sulfate powder were other by-products produced at the facility.

The facility was shut down during 1985, and the site was inactive from 1986 until April 1988.

The facility has been operated as Encycle since April 1988 as a commercial waste management facility treating primarily inorganic hazardous and non-hazardous materials for the purpose of recycling, reclamation, and reduction in volume using hydro-metallurgical processes. Products have included copper, lead, zinc, nickel, chromium, cobalt, and silver-bearing materials.

3.2 Regulatory History

Encycle obtained a RCRA permit (HW-50221) on September 27, 1988, which authorized the storage of hazardous and nonhazardous waste streams containing metals. This permit was superseded by permit conditions contained in Permit HW-50221-001 dated July 23, 1992.

The Encycle facility has several permitted and interim-authorized hazardous waste storage and/or treatment areas. These areas include 1) the Building C Container Storage Area, 2) the Truck Staging Container Storage Area, 3) the Rail Car Loading/Unloading Container Storage Area, 4) the East Container Storage Area (Product Building 3), 5) the Building B Container Storage Area, 6) the Facility No. 1 Container Storage Area, 7) the Facility No. 3 Container Storage Area, and 8) the Containment Building (Product Storage Bins – Numbered Bins). Details regarding the hazardous waste storage and treatment areas at the facility are provided in the RCRA Part B Permit Amendment Application that was submitted to the TNRCC on September 25, 1998, the revised RCRA Part B Permit Amendment Application that

was submitted to the TNRCC on December 2, 1999, and the report submitted to the TNRCC on January 4, 2000 entitled "Final Facility Closure and Post-Closure Report for the Permitted, Interim-Authorized, and Planned Permitted Units".

Process waters generated at the facility are treated at the facility wastewater treatment plant, and the treated effluent is discharged through a diffuser into the Corpus Christi Ship Channel in accordance with TNRCC and EPA National Pollutant Discharge Elimination System (NPDES) permit numbers WQ0000314-000 and TX0003191, respectively.

3.3 Solid Waste Management Units

Twenty-one SWMUs/AOCs (referred to herein as "SWMUs") were investigated during the RFI, including the 20 SWMUs listed in the Consent Decree (Part VII.B., paragraph 42) and a soil and debris pile referred to as the "boneyard" that had been located in the northwestern portion of the site.

Detailed information regarding current and historic operations at each SWMU was provided in the RFI Work Plan dated January 31, 2000. A summary of each SWMU is as follows:

- 01 Landfill – An approximate 5.8-acre Class I non-hazardous landfill that was covered with a clay cap and closed during 1986.

- East and West Lagoons – Active storm water storage lagoons consisting of an approximate 0.5-acre West Lagoon with an 80-millimeter high-density polyethylene (HDPE) liner and an approximate 3.5-acre East Lagoon with a clay bottom. The East and West Lagoons are connected via a concrete spillway, and both lagoons have 9-foot-high perimeter concrete walls.

- Waste Pile – An approximate 3.9-acre grass and brush-covered area formerly used during the 1970s and early 1980s for drying of neutralization plant sludge that may have contained metals. The former waste pile area is currently empty.

- Railroad Tracks Area – Several parallel railroad tracks approximately 500 feet in length located on both the north and south sides of Product Storage Building C. The railroad tracks were used during ASARCO operations for transport of zinc ore concentrates and zinc products. The railroad tracks are currently used

by Encycle for rail transport and unloading of metal-bearing materials that are received from off-site sources, and for loading of products.

- Feed Tank 1 – A 22,500-gallon wooden and brick tank located within a concrete secondary containment area that extends to approximately 10 feet below grade. Feed Tank 1 was used during ASARCO operations for leaching of zinc oxide material, and is currently used by Encycle for slurrying of solid waste materials as part of the recycling process.

- Feed Tank 2 – A 24,000-gallon wooden and brick tank located within a concrete secondary containment area that extends to approximately 10 feet below grade. Feed Tank 2 was used during ASARCO operations for leaching of zinc oxide material, and is currently used by Encycle for slurrying of solid waste materials as part of the recycling process.

- Road Leading to the West of Building C -- A concrete road approximately 20 feet in width and 1,000 feet in length extending from Product Storage Building C on the west to the Old Casting Building on the east. The road was used during ASARCO operations for vehicular transport of zinc ore concentrates and zinc products. The road is currently used by Encycle for vehicular transport of metal-bearing materials.

- Grain Elevator – An offsite, public grain elevator on an approximate 54-acre tract located directly west of the Encycle facility. No wastes or products at the Encycle facility were stored or managed at the grain elevator property.

- Former Sludge Drying Beds – An approximate 200-foot by 60-foot concrete slab with 18-inch-high perimeter walls. The former sludge drying beds are currently empty, and were previously used for drying of wastewater treatment system sludge until the early 1990's.

- Reactor Clarifier – Two above-ground steel tanks (400,000-gallon and 570,000-gallon capacity, respectively) currently used for the settlement of solids and sludge from wastewater.

- Facility No. 1 – An approximate 50,000 square foot building used during ASARCO operations for purification of zinc sulfate solution in tanks and other process equipment. Facility No. 1 is currently used by Encycle for wastewater treatment and for storage and processing of hazardous and non-hazardous

metal-bearing materials. The metal-bearing materials are stored in containers, and processing occurs in tanks and filter presses.

- Facility No. 2 - An approximate 54,000 square foot building used during ASARCO operations for leaching of zinc ore concentrates in tanks and other process equipment. Facility No. 2 is currently used by Encycle for storage and processing of non-hazardous metal-bearing materials. The metal-bearing materials are stored in containers, and processing occurs in tanks and filter presses.

- Facility No. 3 - An approximate 15,000 square foot building used during ASARCO operations for pre-leaching of zinc ore concentrates in tanks and other process equipment. Facility No. 3 is currently used by Encycle for storage and processing of hazardous and non-hazardous metal-bearing materials. The metal-bearing materials are stored in containers, and processing occurs in tanks and filter presses.

- West Cell House – An approximate 40,000 square foot building used during ASARCO operations for electrowinning of zinc in lined concrete tanks filled with electrolytic solutions consisting of zinc sulfate and sulfuric acid. The West Cell House is currently inactive and has not been used during Encycle operations.

- NOR 43 Building – An approximate 12,000 square foot building used during ASARCO operations for melting of zinc using natural gas-fired furnaces, and casting the molten metal in various sized moldings to produce metallic zinc product. The NOR 43 building is currently used for storage of non-hazardous materials.

- Product Storage Building (Building C) – An approximate 55,000 square foot building used during ASARCO operations for storage of incoming feedstock consisting of granular concentrated zinc oxide or zinc sulfide ore concentrates. The building is currently used by Encycle for storage of bulk solids in concrete storage bins.

- Product Storage Bins (Numbered Bins) – An approximate 30,000 square foot building used during ASARCO operations for storage of incoming feedstock consisting of granular concentrated zinc oxide or zinc sulfide ore concentrates.

The building is currently used by Encycle for storage of bulk solids in concrete storage bins.

- Building North of Facility 2 (3-sided bin) – An empty, 750 square foot concrete slab formerly used during ASARCO operations for storage of intermediate zinc-bearing materials.

- Old Casting Building – An approximate 20,000 square foot building used during ASARCO operations for melting of zinc using natural gas-fired furnaces, and casting the molten metal in various sized moldings to produce metallic zinc product. The Old Casting Building is currently used for storage of non-hazardous materials.

- Storm Sewer System – Approximately 2 linear miles of underground piping accessed via approximately 200 storm drains with metal grates. The storm sewer system is used to collect and gravity-drain storm water into a concrete storm water sump that pumps the storm water into the South Demin Tank. When the South Demin Tank is full, the storm water in the concrete storm water sump flows into the West Lagoon. As detailed below in Section 4.0, the storm sewer piping was mapped, cleaned, and repaired during 2000 and 2001 as part of closure activities for the East and West Lagoons.

- Boneyard – An approximate 1,660 cubic yard soil and debris pile that had been located in the northwest portion of the facility. As detailed below in Section 6.1.22, samples of the above-ground soil and debris pile were collected during the RFI. Following receipt of the analytical data, the soil and debris were removed from the site and disposed of at the Texas Ecologists landfill in Robstown, Texas. The boneyard is currently empty and unpaved (i.e., earthen and grass-covered).

The SWMU locations are shown on Figure 2, and detailed maps of the Grain Elevator and storm sewer system are provided on Figures 3 and 4, respectively.

4. History of Site Environmental Investigations

Prior to initiating the facility-wide RFI in June 2000, several other environmental investigations have been conducted at the Encycle facility, including (1) installation of a groundwater monitoring system around the closed 01 Landfill in 1986 and 1987, (2) conducting an RFI of three SWMUs (01 Landfill, East and West Lagoons, Waste Pile)

in 1993, (3) conducting a soil investigation in the railroad tracks and Feed Tank No. 2 areas in 1993 and 1994 as part of an Administrative Order, (4) installing a groundwater monitoring system around the East and West Lagoons in 1999, and (5) conducting East and West Lagoon closure activities between 2000 and 2002. A summary of these environmental investigations is provided below.

Following closure of the 01 Landfill, a groundwater monitoring system consisting of four monitor wells (MW-2 through MW-5) was installed around the perimeter of the 01 Landfill during 1986 and 1987. Monitor well locations are shown on Figure 5. Groundwater samples were collected annually from the monitor wells between 1986 and 1992 for analysis of arsenic, copper, lead, zinc, pH, and conductivity. The groundwater analytical data showed the shallow groundwater was saline, and metal concentrations were low to non-detectable. Discontinuation of groundwater monitoring around the 01 Landfill was approved by the TNRCC in a May 29, 1992 letter. Additional details regarding the 01 Landfill groundwater monitoring program are provided in reports submitted to the TNRCC entitled "ASARCO Landfill Closure Groundwater Monitoring" dated March 1986, and "ASARCO Monitor Well Installation and Groundwater Sampling" dated February 1987.

A RCRA Facility Assessment (RFA) was conducted at the site by the Texas Water Commission (now TNRCC) on July 24, 1987. In response to the RFA, Encycle submitted an RFI Work Plan to the TNRCC on December 22, 1988 for three SWMUs: the 01 Landfill, the Waste Pile Area, and the storm water lagoons (East and West Lagoons). The RFI was approved with modifications by the TNRCC on November 6, 1992. The RFI was conducted by K.W. Brown Environmental Services during 1993. The 1993 RFI included soil sample collection and analysis from (1) seven soil borings around the perimeter of the 01 Landfill (soil borings B-9 through B-12 and B-30 through B-32), (2) six soil borings within the East Lagoon (soil borings B-24 through B-29), (3) five soil borings around the perimeter of the West Lagoon (soil borings B-13 through B-17), and (4) six soil borings in the Waste Pile Area (soil borings B-18 through B-23). Soil boring locations are shown on Figure 6. Two monitor wells (MW-6 and MW-7) also were installed during the RFI, and groundwater samples were collected from the monitor wells for laboratory analysis. Monitor well locations are shown on Figure 5. The conclusions of the 1993 RFI were that total arsenic, cadmium, copper, lead, manganese, and zinc concentrations in soil exceeded background levels in portions of the 01 Landfill, East and West Lagoons, and Waste Pile areas. The concentrations of total nickel in soil also exceeded background levels in portions of the 01 Landfill and East and West Lagoons areas, but not in the Waste Pile Area. The 1993 RFI also concluded that no appreciable releases of metals to groundwater

occurred from the three SWMUs investigated. Additional details regarding the 1993 RFI are provided in the September 1993 report submitted to the TNRCC entitled "RCRA Facility Investigation Report for Solid Waste Management Units at Encycle/Texas, Inc., Corpus Christi, Texas."

A soil investigation was conducted during 1993 and 1994 in two areas of the Encycle facility as part of an Administrative Order issued to Encycle by the TNRCC on November 6, 1992. These two areas are the railroad tracks area directly northeast of Product Storage Building C, and the area directly northwest of Feed Tank No. 2. Soil sample analytical data showed that the concentrations of metals (arsenic, barium, cadmium, chromium, copper, lead, manganese, nickel, silver, tin and zinc) in several surface soil samples collected in these two areas exceeded background concentrations. Metals concentrations in soil declined with depth and attenuated to background concentrations within 6 feet below ground surface. Soils in these two areas with metal concentrations above TNRCC Risk Reduction Standard No. 2 (RRS2) medium specific concentrations (MSCs) were excavated and disposed of at an offsite authorized landfill. The areas of soil excavation are shown on Figure 2. Additional details regarding the Administrative Order soil sampling and excavation program are provided in a letter report submitted to the TNRCC on November 7, 1994. The TNRCC approved Administrative Order activities in letters dated April 10, 1993, June 29, 1993, and November 3, 1995.

A groundwater monitoring program for the East and West Lagoons was initiated during 1999 in accordance with Part VII.A, Paragraph 36 of the Consent Decree. The groundwater monitoring program includes groundwater sample collection from two hydraulically upgradient monitor wells (MW-3 and MW-10) and three hydraulically downgradient monitor wells (MW-6, MW-8, MW-9). Monitor well locations are shown on Figure 5. Groundwater samples were collected from the monitor wells quarterly during 1999 and semiannually during 2000 and 2001. The groundwater monitoring data collected to date shows the shallow groundwater was saline, and metal concentrations are low to non-detectable. The concentrations of total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) in the groundwater samples collected hydraulically downgradient of the East and West Lagoons generally have been within the range of background values, and have consistently been below the TNRCC RRS2 adjusted groundwater MSCs (adjusted for saline groundwater in accordance with 30 TAC Chapter 335.559(d)(3)). Additional details regarding the groundwater monitoring system for the East and West Lagoons are provided in Annual Groundwater Monitoring Reports submitted to the TNRCC on July 17, 2000 and August 23, 2001, respectively.

A Closure Plan for the East and West Lagoons was submitted to the TNRCC on December 29, 1999 as specified in Section VII.A. of the Consent Decree, and the Closure Plan was approved by the TNRCC on March 30, 2000. Closure plan activities that have been completed include mapping, cleaning, and repair of the storm sewer system piping; collection of rinsate samples from the storm sewer system piping demonstrating that the piping has been decontaminated; collection of sediment samples above the West Lagoon HDPE liner and above the East Lagoon clay bottom; and collection of soil samples from the East Lagoon clay bottom and subsurface soils. Removal (excavation) of sediment above the West Lagoon HDPE liner and above the East Lagoon clay bottom, and excavation of soils from the East Lagoon clay bottom that exceed target cleanup levels specified in the Closure Plan are tentatively scheduled for 2003. Additional details regarding closure activities for the East and West Lagoons are provided in Progress Reports that are submitted to the TNRCC on a quarterly frequency. As specified in Section 2.3.2 of the RFI Work Plan, closure activities for the East and West Lagoons are addressed in the approved Closure Plan for the East and West Lagoons. Therefore, no RFI activities were conducted inside the perimeter walls of the lagoons.

Summaries of the historic soil and groundwater analytical data obtained at the Encycle facility are provided on Tables 1 and 2, respectively.

5. RFI Chronology of Events

- February 1, 2000: RCRA Facility Investigation Work Plan submitted to TNRCC.
- May 2, 2000: TNRCC letter to Encycle/Texas, Inc. approving RCRA Facility Investigation Work Plan and requesting a work plan for investigation of the Grain Elevator property.
- June 6, 2000: Work plan for investigation of the Grain Elevator property submitted to TNRCC.
- June – July 2000: Installed RFI soil borings.
- June – August 2000: Performed groundwater monitoring of existing monitor wells.
- July 2000: Conducted aquifer tests.

- October 5, 2000: TNRCC letter to Encycle/Texas, Inc. approving Grain Elevator Work Plan.
- October 12, 2000: TNRCC letter to Union Pacific Railroad Company (UPRR) requesting Encycle/Texas, Inc. access to Union Pacific Railroad right of way.
- October 17, 2000: Work plan for collection of additional background soil samples submitted to TNRCC.
- December 21, 2000: Second TNRCC letter to UPRR requesting Encycle/Texas, Inc. access to Union Pacific Railroad right of way.
- January 4, 2001: TNRCC letter to Encycle/Texas, Inc. approving collection of additional background soil samples and approving a time extension request of ten months to complete and submit a final facility investigation report once the TNRCC accepts the background values.
- January 15, 2001: Installed background soil borings B-174 through B-179.
- February 9, 2001: Letter report with re-calculated background values for six metals in soil submitted to TNRCC.
- April 11, 2001: Summary of RFI analytical data for the "boneyard" submitted to TNRCC.
- April 24, 2001: Union Pacific Railroad Company letter to Encycle/Texas, Inc. permitting Encycle/Texas, Inc. access to Union Pacific Railroad Company right of way.
- June 14, 2001: TNRCC letter to Encycle/Texas, Inc. requesting revised lithology-specific background values for six metals in soil.
- July 16, 2001: Letter report regarding re-sampling of "boneyard" wooden railroad ties submitted to TNRCC.
- July 19, 2001: Letter report with revised lithology-specific background values for six metals in soil submitted to TNRCC.

- October 15, 2001: TNRCC letter to Encycle/Texas, Inc. approving revised lithology-specific background values for six metals in soil.
- November 2001: Installed RFI step-out soil borings on Union Pacific Railroad Company right of way. Installed RFI "contingent" soil borings.
- November – December 2001: Installed RFI "contingent" monitor wells.
- December 2001 – February 2002: Performed groundwater monitoring of "contingent" monitor wells.

6. RFI Investigation Methodology

6.1 Soil Investigation

6.1.1 General

The RFI soil investigation included advancement of two geotechnical soil borings, 12 lithologic soil borings, and 173 soil sample borings. Samples also were collected during the RFI from (1) soils excavated during repair of the storm sewer system piping, and (2) soil, concrete, and wooden railroad ties located above ground level in the boneyard.

The two geotechnical soil borings (Geotech 1 and Geotech 2) were installed to obtain site-specific background physical soil parameter data. The 12 lithologic soil borings (1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 3C, 4A, 4B, 4C) were installed to more precisely determine the boundaries of the 01 Landfill. The 173 soil sample borings (B-33 through B-205) were installed at the SWMUs to determine the presence, magnitude, nature, and extent of any releases from the SWMUs to surface and subsurface soils. The soils excavated during repair of the storm sewer system piping were sampled to characterize soil quality before returning the soils to the excavation. The soil, concrete, and wooden railroad ties located above ground level in the boneyard were sampled to classify the materials and to select an appropriate disposal location. Soil boring locations are shown on Figures 3 and 6, and boneyard sample locations are shown on Figure 7.

The soil investigation was conducted as specified in the February 1, 2000 RFI Work Plan and the June 6, 2000 Grain Elevator Work Plan. As specified in the RFI Work Plan Sampling and Analysis Plan (SAP), the soil borings were advanced using a "push-

probe" drilling rig or a stainless steel hand auger in areas not accessible to the "push-probe" drilling rig. Soil samples for laboratory analysis were placed directly into wide mouth glass jars with Teflon-lined lids. The sample jars were labeled, placed into a cooler with ice, and shipped with chain of custody documents to the ASARCO Salt Lake City Laboratory. As specified in the RFI Work Plan QAP, duplicate soil samples and equipment blank samples were collected at a frequency of one per 20 soil samples, and field blanks were prepared at a frequency of one per day that soil samples were collected.

Prior to installation of each soil boring, all downhole drilling and sampling equipment was cleaned using either a steam-cleaner or a non-phosphate detergent wash, water rinse, and distilled water final rinse. Equipment cleaning water was placed into 55-gallon drums and routed to the Encycle wastewater treatment system. Following completion, each soil boring was plugged with Portland Type I cement and/or bentonite from total depth to ground level by a TNRCC-licensed water well driller. Site photographs are provided in Appendix A, and soil boring logs with a lithologic description of the sediments encountered during drilling are provided in Appendix B.

The RFI soil investigation methodology at each SWMU is detailed below, and a summary of the soil borings installed during the RFI is provided on Table 3.

6.1.2 01 Landfill

As detailed in the RFI Work Plan, the investigation of the 01 Landfill included collection of soil samples from (1) twelve soil borings installed radially outward from the 01 Landfill, (2) four soil borings installed along the northern boundary of the 01 Landfill to obtain soil samples for soil leachate testing, and (3) twelve lithologic soil borings installed near the edge of the 01 Landfill to more precisely define the landfill boundary.

6.1.2.1 01 Landfill Soil Sample Borings

Twelve soil borings (B-144 through B-155) were advanced radially outward from the 01 Landfill during July 2000 and November 2001. The soil borings on Encycle property were installed during July 2000, and the soil borings on UPRR right-of-way were installed during November 2001. As shown on Figure 6, the 12 soil borings consisted of four groups, with three radiating outward soil borings in each group. The soil borings were installed using either a push-probe drilling rig or a stainless steel hand auger, and soil samples were collected continuously for lithologic evaluation.

Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, depth to groundwater in this topographically low area ranged from 0.5 feet at soil boring B-152 to 5.5 feet at soil boring B-153. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.2 of the RFI Work Plan, initially all of the soil samples from the four soil borings located closest to the 01 Landfill (i.e., soil borings B-144, B-147, B-150, and B-153) were analyzed for total metals (Ag, As, Ba, Bi, Cd, Co, Cr, Cu, Hg, Pb, Mn, Ni, Sb, Se, Sn, Tl, V, Zn) and total cyanide. Following receipt of the analytical results from the four closest soil borings, soil samples from the next closest soil borings within each group of radiating outward soil borings (i.e., soil borings B-145, B-148, B-151, and B-154) were analyzed only for the constituents that exceeded background concentrations at those corresponding depths in the closest soil borings. This procedure was then repeated for the four outermost soil borings (i.e., soil borings B-146, B-149, B-152, and B-155).

6.1.2.2 01 Landfill Soil Leachate Testing

Four soil borings (B-9 through B-12) were previously constructed along the northern boundary of the 01 Landfill during 1993 as part of the original RFI, and soil samples were collected for analysis of seven metals (arsenic, cadmium, copper, nickel, manganese, lead, and zinc). As shown on Table 7 of the RFI Work Plan, the total concentrations of several metals in the 1993 soil samples soil exceeded both background concentrations and the TNRCC RRS2 Soil-to-Groundwater Protection Standard (GWP-Ind). Therefore, the depth intervals with total constituent concentrations exceeding both background and the RRS2 GWP-Ind were re-sampled during June 2000 for total and SPLP metals analysis. In addition, those samples were analyzed for the total concentrations of 12 other constituents currently or previously managed at the site (antimony, barium, bismuth, chromium, cobalt, cyanide, mercury, selenium, silver, thallium, tin, vanadium). The June 2000 soil samples were collected from soil borings B-140 through B-143. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

6.1.2.3 01 Landfill Lithologic Soil Borings

Twelve lithologic soil borings (1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 3C, 4A, 4B, 4C) were advanced along the southern and western boundaries of the 01 Landfill to more precisely determine the landfill boundaries. Soil boring locations are shown on Figure 6. The soil borings were advanced into the saturated zone using either a push-probe drilling rig or a stainless steel hand auger, and soil samples were collected continuously during advancement of each boring for lithologic evaluation.

As detailed below in Section 7.2 of this report, the low-lying area near the Corpus Christi Ship Channel, including the 01 Landfill area, is located on fill and spoil dredge materials. Therefore, to determine the limit of the 01 Landfill, naturally-occurring fill materials that could be associated with dredging activities (i.e., sand, rocks, roots, shell fragments) were not considered part of the 01 Landfill. Fill materials consisting of man-made objects (paper, plastic, rubber, and miscellaneous debris of various colors) were considered part of the 01 Landfill.

As shown on the soil boring logs in Appendix B, fill materials consisting of man-made objects were encountered during advancement of soil borings 1B, 1C, 2B, 2C, 3A, 3B, and 4A. The boundary of the 01 Landfill, based on lithologic evaluation of the materials encountered during advancement of the lithologic soil borings and the 01 Landfill area soil sample borings, is shown on Figure 6.

6.1.3 East and West Lagoons

Eighteen soil borings (B-156 through B-173) were advanced radially outward from the East and West Lagoons during July 2000 and November 2001. The soil borings on Encycle property were installed during July 2000, and the soil borings on UPRR right-of-way were installed during November 2001. As shown on Figure 6, the 18 soil borings in the East and West Lagoons area consist of six groups, with three radiating outward soil borings in each group. The soil borings were installed using either a push-probe drilling rig or a stainless steel hand auger, and soil samples were collected continuously for lithologic evaluation. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, depth to groundwater in this topographically low area ranged from 1.2 to 3.8 feet. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.3 of the RFI Work Plan, initially all of the soil samples from the six soil borings located closest to the East and West Lagoons (i.e., soil borings B-156, B-159, B-162, B-165, B-168, and B-171) were analyzed for total metals and total cyanide. Following receipt of the analytical results from the four closest soil borings, soil samples from the next closest soil borings within each group of radiating outward soil borings (i.e., soil borings B-157, B-160, B-163, B-166, B-169, and B-172) were analyzed only for the constituents that exceeded background concentrations at those corresponding depths in the closest soil borings. This procedure was then repeated for the six outermost soil borings (i.e., soil borings B-158, B-161, B-164, B-167, B-170, and B-173).

6.1.4 Waste Pile

Twelve soil borings (B-118 through B-129) were advanced radially outward from the Waste Pile area during June 2000. As shown on Figure 6, the 12 soil borings in the Waste Pile area consist of four groups, with three radiating outward soil borings in each group. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 14 feet at soil boring B-129 to 23.7 feet at soil boring B-128. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.4 of the RFI Work Plan, initially all of the soil samples from the four soil borings located closest to the Waste Pile (i.e., soil borings B-118, B-121, B-124, and B-127) were analyzed for total metals and total cyanide. Following receipt of the analytical results from the four closest soil borings, soil samples from the next closest soil borings within each group of radiating outward soil borings (i.e., soil borings B-119, B-122, B-125, and B-128) were analyzed only for the constituents that exceeded background concentrations at those corresponding depths in the closest soil borings. This procedure was then repeated for the four outermost soil borings (i.e., soil borings B-120, B-123, B-126, and B-129).

6.1.5 Railroad Tracks Area

Nine soil borings (B-96 through B-104) were advanced in the railroad tracks areas during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 14 feet at soil borings B-98 and B-99 to 16 feet at soil boring B-96. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.5 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.6 Feed Tank 1

Six soil borings (B-61 through B-66) were advanced radially outward from Feed Tank 1 during June 2000. As shown on Figure 6, the six soil borings in the Feed Tank 1 area consist of two groups, with three radiating outward soil borings in each group. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 15 feet at soil borings B-61 through B-64 to 15.7 feet at soil boring B-66. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.6 of the RFI Work Plan, initially all of the soil samples from the two soil borings located closest to Feed Tank 1 (soil borings B-61 and B-64) were analyzed for total metals and total cyanide. Following receipt of the analytical results from the two closest soil borings, soil samples from the next closest soil borings (i.e., soil borings B-62 and B-65) were analyzed only for the constituents that exceeded background concentrations at those corresponding depths in soil borings B-61 and B-64, respectively. This procedure was then repeated for the outermost soil borings (i.e., soil borings B-63 and B-66).

6.1.7 Feed Tank 2

Six soil borings (B-79 through B-84) were advanced radially outward from Feed Tank 2 during June 2000. As shown on Figure 6, the six soil borings in the Feed Tank 2 area consist of two groups, with three radiating outward soil borings in each group. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 17.5 feet at soil boring B-80 to 23.9 feet at soil boring B-83. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.6 of the RFI Work Plan, initially all of the soil samples from the two soil borings located closest to Feed Tank 2 (soil borings B-79 and B-82) were analyzed for total metals and total cyanide. Following receipt of the analytical results from the two closest soil borings, soil samples from the next closest soil borings (i.e., soil borings B-80 and B-83) were analyzed only for the constituents that exceeded background concentrations at those corresponding depths in soil borings B-79 and B-82, respectively. This procedure was then repeated for the outermost soil borings (i.e., soil borings B-81 and B-84).

6.1.8 Road Leading to the West of Building C

Six soil borings (B-35 through B-40) were advanced in unpaved areas along the edge of the Road Leading to the West of Building C during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless

steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 12.5 feet at soil boring B-36 to 17.5 feet at soil boring B-38. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.7 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.9 Grain Elevator

A total of 20 soil borings were installed at the Grain Elevator property during the RFI. Ten soil borings (B-130 through B-139) were installed during June 2000, and the other ten soil borings (B-196 through B-205) were installed during November 2001. Soil boring locations are shown on Figure 3.

As specified in the June 6, 2000 Grain Elevator Work Plan, the initial ten soil borings (B-130 through B-139) were installed at randomly selected locations. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 2 feet at soil borings B-131, B-133, B-136, and B-138 to 23.5 feet at soil boring B-139. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory. Initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil

sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Following receipt of the soil sample analytical data from the ten initial soil borings at the Grain Elevator property, a "contingent" step-out soil boring was installed approximately 100 feet further outward (west) from each of the initially installed soil borings. The step-out soil boring locations (B-196 through B-205) are shown on Figure 3. As specified in the June 6, 2000 Grain Elevator Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the initially installed soil borings, and the soil samples were analyzed for the constituents that exceeded background levels at that corresponding depth.

6.1.10 Former Sludge Drying Beds

Three soil borings (B-46 through B-48) were advanced below the concrete floor of the Former Sludge Drying Beds during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 11.5 feet at soil borings B-47 and B-48 to 16 feet at soil boring B-46. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.9 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.11 Reactor Clarifier

Five soil borings (B-41 through B-45) were advanced around the perimeter of two Reactor Clarifier tanks during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 13 feet at soil boring B-45 to 17 feet at soil boring B-43. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.10 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.12 Facility No. 1

Four soil borings (B-67 through B-70) were advanced around the perimeter of Facility No. 1 during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 11.5 feet at soil borings B-67 and B-70 to 15.7 feet at soil boring B-68. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.11 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide.

Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Two "contingent" step-out soil borings (B-182 and B-183) were installed east of Facility No. 1 during November 2001. Soil boring locations are shown on Figure 6. The step-out soil borings were installed to delineate the extent of constituents in soil east of Facility No. 1. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the soil boring at the east end of Facility No. 1 (i.e., soil boring B-67). Initially, the soil samples from the closest step-out soil boring (soil boring B-182) were analyzed for the constituents that exceeded background levels at soil boring B-67. The soil samples from soil boring B-183 were then analyzed only for the constituents that exceeded background levels at soil boring B-182.

6.1.13 Facility No. 2

Four soil borings (B-85 through B-88) were advanced around the perimeter of Facility No. 2 during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 16 feet at soil borings B-86 and B-87 to 17.5 feet at soil boring B-85. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.11 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each

constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.14 Facility No. 3

Four soil borings (B-92 through B-95) were advanced around the perimeter of Facility No. 3 during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 11.7 feet at soil borings B-94 to 15.5 feet at soil boring B-93. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.11 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Two "contingent" step-out soil borings (B-186 and B-187) were installed west of Facility No. 3 during November 2001. Soil boring locations are shown on Figure 6. The step-out soil borings were installed to delineate the extent of constituents in soil west of Facility No. 3. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the soil boring at the west end of Facility No. 3 (i.e., soil boring B-94). Initially, the soil samples from the closest step-out soil boring (soil boring B-186) were analyzed for the constituents that exceeded background levels at soil boring B-94. As detailed below in Section 8.2.14, none of the constituent concentrations in the soil samples from soil boring B-186 exceeded background levels. Therefore, the extent of constituents in soil were delineated to background levels west of Facility No. 3, and no soil samples from step-out soil boring B-187 were analyzed.

6.1.15 West Cell House

Four soil borings (B-71 through B-74) were advanced below the concrete floor of the West Cell House during June and July 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 17 feet at soil boring B-72 to 22.5 feet at soil boring B-71. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.12 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.16 NOR 43 Building

Four soil borings (B-75 through B-78) were advanced below the concrete floor of the NOR 43 Building during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 19.5 feet at soil boring B-78 to 26 feet at soil boring B-75. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.13 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide.

Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.17 Product Storage Building (Building C)

In addition to the soil borings installed along the railroad tracks north and south of Product Storage Building C that were discussed above in Section 6.1.5, two soil borings (B-33 through B-34) were installed directly west and east, respectively, of Product Storage Building C during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 13 feet at soil boring B-33 to 14 feet at soil boring B-34. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.14 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Two "contingent" step-out soil borings (B-194 and B-195) were installed west of Product Storage Building C during November 2001. Soil boring locations are shown on Figure 6. The step-out soil borings were installed to delineate the extent of constituents in soil west of Product Storage Building C. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the soil boring at the west end of Product Storage Building C (i.e., soil boring B-33).

Initially, the soil samples from the closest step-out soil boring (soil boring B-194) were analyzed for the constituents that exceeded background levels at soil boring B-33. The soil samples from soil boring B-195 were then analyzed only for the constituents that exceeded background levels at soil boring B-194.

6.1.18 Product Storage Bins (Numbered Bins)

Four soil borings (B-53 through B-56) were advanced around the perimeter of the Product Storage Bins (Numbered Bins) building during June and July 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 12 feet at soil boring B-55 to 17.5 feet at soil boring B-53. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.15 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Two "contingent" step-out soil borings (B-184 and B-185) were installed east of the Product Storage Bins building during November 2001. Soil boring locations are shown on Figure 6. The step-out soil borings were installed to delineate the extent of constituents in soil east of the Product Storage Bins building. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the soil boring at the east end of the Product Storage Bins building (i.e., soil boring B-55). Initially, the soil samples from the closest step-out soil boring (soil boring B-184) were analyzed for the constituents that exceeded background levels at soil boring

B-55. The soil samples from soil boring B-185 were then analyzed only for the constituents that exceeded background levels at soil boring B-184.

6.1.19 Building North of Facility No. 2 (3-Sided Bin)

Three soil borings (B-89 through B-91) were advanced below the concrete slab of the former Building North of Facility No. 2 (former 3-Sided Bin) during July 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 15.8 feet at soil boring B-89 to 17 feet at soil boring B-90. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.16 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.20 Old Casting Building

Four soil borings (B-57 through B-60) were advanced below the concrete floor of the Old Casting Building during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 10 feet at soil boring B-60 to 15.7 feet at soil boring B-58. Soil samples for laboratory analysis were

placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.17 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Two "contingent" step-out soil borings (B-180 and B-181) were installed east of the Old Casting Building during November 2001. Soil boring locations are shown on Figure 6. The step-out soil borings were installed to delineate the extent of constituents in soil east of the Old Casting Building. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the soil boring at the east end of the Old Casting Building (i.e., soil boring B-59). Initially, the soil samples from the closest step-out soil boring (soil boring B-180) were analyzed for the constituents that exceeded background levels at soil boring B-59. The soil samples from soil boring B-181 were then analyzed only for the constituents that exceeded background levels at soil boring B-180.

6.1.21 Storm Sewer System

6.1.21.1 General

As detailed in the RFI Work Plan, the investigation of the storm sewer system included collection of soil samples from (1) ten soil borings along the storm sewer system, (2) four soil borings around the North and South Demin Tanks, and (3) excavated soils that were returned to the excavation following repair of storm sewer system piping.

6.1.21.2 Storm Sewer System Soil Borings

Ten soil borings (B-108 through B-117) were advanced along the storm sewer system piping during June and July 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon

sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 14 feet at soil borings B-109, B-114, B-115, and B-117 to 20 feet at soil boring B-111. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.18 of the RFI Work Plan, because the storm sewer system piping is located below ground level at variable depths, all of the soil samples from each of the ten soil borings were analyzed for total metals and total cyanide.

6.1.21.3 North and South Demin Tank Soil Borings

Four soil borings (B-49 through B-52) were advanced around the perimeter of the North and South Demin Tanks during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth ranging from 12.5 feet at soil borings B-50 and B-51 to 14.5 feet at soil boring B-52. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.18 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide. Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed only for the constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

6.1.21.4 Storm Sewer System Excavated Soils Sampling

As part of the TNRCC-approved closure plan activities described in the December 1999 report entitled "Closure Plan – East and West Lagoons", repairs to the storm

sewer system piping at the Encycle facility were conducted during June and July 2001. Soils excavated around the outside of the storm sewer system piping during repair activities were returned to the excavation. Prior to returning the soils to the excavation, soil samples were collected to characterize the quality of the excavated soils. As detailed in "Quarterly Progress Report No. 6" for the East and West Lagoons dated October 30, 2001, excavated soils adjacent to four storm drains (Storm Drains 38a, 78a, 102 and 219) were returned to the excavation. Storm drain locations are shown on Figure 4.

The volume of excavated soils at the storm drain piping repair areas ranged from approximately 4 cubic yards at Storm Drain 219 to 18 cubic yards at Storm Drains 38a and 78a. As specified in Section 3.1.18 of the RFI Work Plan, one composite soil sample was collected from the excavated soil stockpile at each storm drain repair location prior to returning the soils to the excavation. Each composite sample consisted of four grab samples (one grab sample from each quadrant of the stockpile) that were collected using a stainless steel trowel. The grab samples were placed into 8-ounce wide mouthed glass jars, and composited in the jars using the trowel. The soil samples were submitted with chain of custody documents to the analytical laboratory for analysis of total metals and cyanide.

6.1.22 Boneyard

6.1.22.1 General

As detailed in the RFI Work Plan, the investigation of the boneyard included collection of samples from the boneyard soil and debris piles that were located above ground level, and collection of soil samples from soil borings in the boneyard area.

6.1.22.2 Boneyard Soil and Debris Pile Sampling

The boneyard soil and debris piles were located in the northwest portion of the site as shown on Figure 7. The soil and debris piles occupied an area of approximately 140 feet by 80 feet, with an average height of approximately 4 feet. The piles consisted of approximately 660 cubic yards of loose soil with concrete fragments, and approximately 1,000 cubic yards of wooden railroad ties. As specified in Section 3.1.19 of the RFI Work Plan, one composite sample was collected for every 200 cubic yards of boneyard materials. A total of nine composite samples (Boneyard Comp-1 through Boneyard Comp-9) were collected during July 2000. Five of the composite samples (Boneyard Comp-1 through Boneyard Comp-5) consisted of wooden railroad

ties that were collected using a stainless steel pickax, and the other four composite samples (Boneyard Comp-6 through Boneyard Comp-9) consisted of soil and broken concrete that were collected using stainless steel trowels. The samples were transferred directly into wide mouth glass jars, and composited in the jars using the grab sample equipment.

The wooden railroad ties were re-sampled on May 7, 2001 using a 2-inch-diameter, stainless steel core barrel with a diamond-tipped bit. One core barrel sample was collected for every 200 cubic yards of railroad ties. The May 2001 railroad tie sample locations (Sample IDs: Boneyard Comp-1A through Boneyard Comp-5A) are shown on Figure 7. As detailed in the July 16, 2001 letter report submitted to the TNRCC, the core barrel sampling procedure provided a more representative sample than the pickaxe due to the uniform diameter of the core barrel sample from the surface to the center of the ties. Therefore, the analytical data obtained from the core barrel samples replaced the July 2000 railroad tie analytical data obtained from pickaxe samples.

As specified in the RFI Work Plan, each boneyard material sample was analyzed for total and Toxicity Characteristic Leaching Procedure (TCLP) metals, reactivity, corrosivity, and ignitability. The railroad tie samples also were analyzed for TCLP semivolatile organic compounds (SVOCs). As detailed below in Sections 8.2.22 and 9.2, the boneyard materials analytical data was utilized to classify the materials and to select an appropriate disposal location.

6.1.22.3 Boneyard Area Soil Samples

Three soil borings (B-105 through B-107) were advanced below the boneyard soil and debris piles during June 2000. Soil boring locations are shown on Figure 6. The soil borings were installed using a push-probe drilling rig, and soil samples were collected continuously for lithologic evaluation using a stainless steel split-spoon sampler. Soil samples for laboratory analysis were collected at depths of 0-0.5 feet; 2-2.5 feet; an unsaturated sample every 3 feet beginning at 5.5 feet until the saturated zone (groundwater) was encountered; and a soil sample at the top of the saturated zone. During drilling, groundwater was encountered at a depth of approximately 10 feet. Soil samples for laboratory analysis were placed into wide mouth glass jars with Teflon-lined lids, and submitted with chain of custody documents to the analytical laboratory.

As specified in Section 3.1.19 of the RFI Work Plan, initially the uppermost (0-0.5 foot depth) soil sample from each boring was analyzed for total metals and total cyanide.

Following receipt of the analytical results for the uppermost soil sample, the 2-2.5 foot depth soil sample was analyzed for constituents that exceeded background concentrations in the 0-0.5 foot depth soil sample. This procedure was then repeated with successively deeper soil samples until background concentrations for each constituent were attained, or until all of the soil samples from that boring were analyzed, whichever occurred first.

Six "contingent" step-out soil borings (B-188 through B-193) were installed radially outward from the boneyard during November 2001. As shown on Figure 6, the six step-out soil borings consisted of three groups, with two radiating outward soil borings in each group. The step-out soil borings were installed to delineate the extent of constituents in soil in the boneyard area. As specified in Section 3.1.21 of the RFI Work Plan, soil samples were collected from the step-out soil borings at the same depth intervals that had constituent concentrations above background levels in the initial (June 2000) boneyard soil borings. Initially, the soil samples from the step-out soil borings located closest to the boneyard (i.e., soil borings B-188, B-190, and B-192) were analyzed for the constituents that exceeded background levels in the corresponding June 2000 boneyard soil boring. Following receipt of the analytical results from the three closest step-out soil borings, soil samples from the outermost soil borings (i.e., soil borings B-189, B-191, and B-193) were analyzed only for the constituents that exceeded background concentrations in the closest step-out soil borings.

6.1.23 Geotechnical Soil Samples

Two geotechnical soil borings (Geotech 1 and Geotech 2) were advanced in undeveloped areas of the site on July 12, 2000 to obtain site-specific, background physical soil parameter data. One geotechnical soil boring (Geotech 1) was advanced into the Beaumont Formation, which outcrops in the topographically higher southern half of the site. The other geotechnical soil boring (Geotech 2) was advanced into the fill/alluvium, which outcrops in the topographically lower northern half of the site. Geotechnical soil boring locations are shown on Figure 6.

The geotechnical soil borings were advanced using a push-probe drilling rig, and soil samples were collected using a stainless steel split-spoon sampler. Two soil samples were selected from each boring for geotechnical analysis: an unsaturated sample, and a saturated sample. The samples were placed into water-tight "Zip-lock" plastic bags, and submitted with chain of custody documents to a geotechnical laboratory for

analysis of fraction organic carbon (FOC), intrinsic permeability, bulk density, moisture content, and effective porosity.

6.2 Groundwater Investigation

6.2.1 General

As discussed above in Section 4.0, groundwater monitoring systems were previously installed around the perimeter of the 01 Landfill (MW-2 through MW-5) and the East and West Lagoons (MW-6, MW-8 through MW-10). These two groundwater monitoring systems are completed in the uppermost water-bearing unit in the topographically low northern half of the Encycle site, which is situated on fill and spoil dredge materials underlain by Quaternary Alluvium. One monitor well (MW-7) was previously completed in the topographically higher southern half of the site, which is situated on the outcrop of the Pleistocene age Beaumont Formation.

The scope of the RFI groundwater investigation included (1) installation of "contingent" monitor wells adjacent to SWMUs that had one or more constituent concentrations in soil above background levels at the top of the saturated zone, (2) fluid level measurements and groundwater sample collection from the "contingent" monitor wells and the existing monitor wells (MW-2 through MW-10), and (3) aquifer testing of two existing monitor wells (MW-6 and MW-7).

6.2.2 Monitor Well Installation

As detailed in Section 3.2.4 of the RFI Work Plan, if soil data collected during the RFI showed the concentration of one or more constituents in soil at the saturated zone exceeded background levels, monitor wells were constructed downgradient (north) of those SWMUs (except for the 01 Landfill and East and West Lagoons which already have groundwater monitoring systems). Also, if two SWMUs are located in close proximity (within 100 feet) of each other, one monitor well was installed north of those SWMUs. Therefore, as shown on Table 4, eleven additional monitor wells (MW-11 through MW-21) were installed during the RFI. Monitor well locations are shown on Figure 5.

The monitor wells were constructed by a TNRCC-licensed water well driller using a hollow-stem auger drilling rig. Soil samples were collected continuously during drilling using a stainless steel split-spoon sampler, and each soil sample was lithologically described, including use of the Unified Soil Classification System. Prior

to installation of each monitor well, the augers and drill rods were steam-cleaned, and the split-spoons were cleaned prior to collection of each soil sample using a non-phosphate detergent wash, water rinse, and distilled water final rinse. Equipment cleaning water was placed into 55-gallon drums and routed to the Encycle wastewater treatment system.

The borings for each monitor well were advanced into the first unsaturated stratum (i.e., clay) underlying the uppermost saturated stratum. The monitor wells were completed using two-inch-diameter, flush-joint, threaded Schedule 40 PVC casing with 0.010-inch mill-slotted PVC screens opposite the saturated zone. The annular space opposite the screened interval was packed with washed silica sand, and the sand pack extended approximately 2 feet above the top of the screens. The annular seal above the sand pack consisted of 2 feet of bentonite hydrated with distilled water. Portland Type I cement was emplaced in the well bore annulus from the top of the bentonite to ground level. The surface completions included a 4-foot-square concrete pad around a flush-mounted steel manhole cover, and each well was equipped with a locking cap. Monitor well completion diagrams and State of Texas Well Reports are provided in Appendix C.

Monitor well drill cuttings were placed on plastic (Visqueen) in a bermed area, then covered with Visqueen. Following landfill operator approval, the monitor well drill cuttings were disposed of at the Texas Ecologists landfill in Robstown, Texas during March 2002. Manifests for the drill cuttings are provided in Appendix D.

6.2.3 Water Level Measurements

Water levels were measured in the existing and newly installed monitor wells using a clean electonic water level sensor. The water levels were measured to the nearest 0.01 foot relative to the monitor well top-of-casing which was surveyed to the nearest 0.01 foot by a Registered Public Surveyor. During water level measurements, the total depth of each monitor well also was measured using the water level sensor. Monitor well water level and total depth measurements are summarized on Table 5, and monitor well top-of-casing survey data is provided in Appendix E.

6.2.4 Groundwater Sample Collection

As specified in Section 3.2.2 of the RFI Work Plan, groundwater samples were collected from the existing monitor wells (MW-2 through MW-10) monthly for three months. As specified in Section 3.2.4 of the RFI Work Plan, groundwater samples also

were collected from the newly installed "contingent" monitor wells (MW-11 through MW-21) monthly for three months. The groundwater samples from the existing monitor wells were collected on June 30, 2000, July 28, 2000, and August 17, 2000. The groundwater samples from the contingent monitor wells were collected on December 11, 2001, January 16, 2002, and February 12, 2002.

The groundwater samples from the existing and newly constructed monitor wells were collected using well-dedicated PVC bailers. Prior to groundwater sample collection, the monitor wells were developed by removing at least three wetted well bore volumes of water using the well-dedicated bailers. Development continued until the pH, temperature, and conductivity of the produced water had stabilized. Monitor well development water was placed into 55-gallon drums, and then routed to the facility wastewater treatment system.

Groundwater samples were collected from the monitor wells for analysis of the constituents currently or previously managed at the facility. Groundwater samples for total metals analysis (total antimony, arsenic, barium, bismuth, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanandium, and zinc) were placed into 500-milliliter polyethylene containers with nitric acid preservative. Groundwater samples for total cyanide analysis were placed into 1-liter polyethylene containers with sodium hydroxide 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. As specified in the RFI Work Plan QAP, duplicate groundwater samples were collected at a frequency of one per 20 groundwater samples, and field blanks were prepared at a frequency of one per day that groundwater samples were collected. The groundwater samples were collected using well-dedicated bailers, therefore equipment blank samples were not collected.

6.2.5 Aquifer Testing

Two aquifer tests were conducted at the site during July 2000 to obtain transmissivity and permeability data for the two uppermost water-bearing units at the site: the Beaumont Formation and the fill/alluvium. As detailed below in Section 7.5.2, the aquifer test data also was utilized in the calculation of potential well yield and groundwater velocity for each water-bearing unit.

The aquifer tests were conducted using existing 4-inch-diameter monitor well MW-6, completed in the fill/alluvium, and existing 4-inch-diameter monitor well MW-7,

completed in the Beaumont Formation, as the pumping wells. The aquifer tests were conducted using a clean, stainless steel electric submersible pump that was lowered to the bottom of each well. Following measurement of static fluid levels, groundwater was produced from each well at a constant rate for six hours. Monitor well MW-6 was pumped at a constant rate of 0.25 gallons per minute (gpm), and monitor well MW-7 was pumped at a constant rate of 2.0 gpm. The produced water was routed through a flow meter into 55-gallon drums. When the drums were full, the produced water was discharged into the Encycle wastewater treatment system.

During the 6-hour pumping phase and a 6-hour recovery phase, water levels in the pumping wells were measured using clean, electronic water level sensors. As detailed in the March 1986 report entitled "ASARCO Landfill Closure Groundwater Monitoring", water levels in monitor wells along the Corpus Christi Ship Channel, including monitor well MW-6, will likely be subject to tidal influences. Therefore, in addition to measurement of water levels in monitor well MW-6, water levels were measured in monitor well MW-4 during the MW-6 aquifer test to determine tidal influences on water levels. The MW-6 water level data was corrected by subtracting or adding the tidal effect (change in static water level elevation) using water level data from monitor well MW-4. As detailed in the RFI Work Plan, monitor well MW-4 is located a sufficient distance away from monitor well MW-6 (over 1,000 feet) to be beyond the radius of influence created in the water-bearing unit by pumping of monitor well MW-6. Also, monitor well MW-4 is located approximately the same distance away from the Corpus Christi Ship Channel as monitor well MW-6, and the tidal influences on water levels in these two wells should therefore be similar.

7. Site and Area Geology and Hydrology

7.1 Topography and Drainage

As shown on Figure 1, the elevation at the site ranges from sea level along the Corpus Christi Ship Channel at the northern end of the site to approximately 25 feet above mean sea level (MSL) at the south-central end of the site. The low-lying northern half of the site is separated from the topographically higher southern half of the site by a natural scarp. The natural scarp represents the southernmost extent of alluvial deposition associated with the Nueces River.

The majority of the main plant area, located in the southern half of the site, is covered with buildings and pavement (concrete, asphalt), and an extensive storm water collection system provides drainage for the main plant area. Drainage in the northern

half of the site is in a general northerly direction toward the Corpus Christi Ship Channel.

7.2 Regional Geology

The geology of the region is characterized by alternating beds of unconsolidated sand, silt, and clay, which thicken and dip toward the southeast. Sedimentary materials were deposited by formerly and presently active geologic processes in delta, fan, river, bay-estuarine, and barrier-island shoreline systems (Kier, et. al., 1978). A geologic map is presented on Figure 8, and a regional stratigraphic column is illustrated on Table 6. The major stratigraphic units in the region (from youngest to oldest) are Quaternary Alluvium, the Beaumont Formation, the Lissie Formation, and the Goliad Sand.

The low-lying northern half of the Encycle site is located on fill and spoil dredge material (Groat, 1975). The fill and spoil extends along the Corpus Christi Ship Channel and consists of variable mixtures of mud, silt, sand and shell (Groat, 1975). The fill and spoil are underlain by Quaternary-age alluvium (Groat, 1975; Shafer, 1968). The alluvium, deposited by the Nueces River system, consists of clay, silt, sand, and gravel (Groat, 1975).

The Pleistocene age Beaumont Formation outcrops in the southern half of the Encycle site (Figure 8). The Beaumont Formation also underlies Quaternary Alluvium in the low-lying northern portion of the site. The Beaumont Formation consists predominantly of clay interbedded with layers of medium to fine sand. The Beaumont Formation attains a maximum thickness of approximately 500 feet in Nueces County (Shafer, 1968). The outcrop of the Beaumont Formation occurs as a band which parallels the coast and extends 25 to 35 miles inland in Nueces County.

The Pleistocene age Lissie Formation underlies the Beaumont Formation at a depth of about 400 to 500 feet and outcrops in northwestern Nueces County. The Lissie Formation consists of alternating thick to thin beds of sand, gravel, sandy clay, and clay, with a thickness of approximately 600 feet (Shafer, 1968).

The Pliocene age Goliad Sand underlies the Lissie Formation and outcrops approximately 30 miles west of the site in Jim Wells County. The Goliad Sand consists of sand or sandstone interbedded with layers of gravel and clay, with a thickness of approximately 600 feet (Shafer, 1968).

7.3 Local Geology

Geologic information for the Encycle site was obtained from lithologic descriptions of soil samples collected during installation of the soil borings and monitor wells at the site. Lithologic descriptions of the sediments encountered during drilling of the RFI soil borings and monitor wells are provided in Appendix B and C, respectively.

Cross-sectional drawings depicting the shallow site geology at the site are presented on Figures 9, 10, and 11, and the lines of section for the cross-sectional drawings are shown on Figure 6.

The northern portion of the site is located on Made Land that consists of sand, mud, and shells that have been excavated from the floor of lagoons and bays (USDA, 1965). The Made Land is also referred to as "fill and spoil" (Groat, 1975). As shown on Figure 11, the fill and spoil in the northern portion of the site extends from the surface to an average depth of approximately 5 feet, and consists predominantly of brown silty clay and sandy clay.

The fill and spoil are underlain by Quaternary-age alluvium. As shown on Figure 11, the alluvium is present in the northern portion of the site and extends to an average depth of approximately 20 feet. The alluvium consists predominantly of gray to brown, very fine to fine grained sand.

The soils in the southern portion of the site (Beaumont Formation outcrop area) consist of tan, gray, brown, and pale olive clay and silty clay from the surface to an average depth of approximately 15 feet. The clay stratum is underlain by a tan, gray, brown, and pale orange, very fine to fine grained sand stratum. The sand stratum varies in thickness across the site, ranging from approximately 0.5 feet at soil boring B-21 at the southwest corner of the site to 23 feet at monitor well MW-20 in the east-center portion of the site. The average thickness of the sand stratum is approximately 12 feet. The sand stratum is underlain by a tan, brown, and gray, clay and silty clay stratum. This clay stratum, which is part of the Beaumont Formation, also extends below the alluvium in the northern portion of the site (see Figure 11). The clay stratum is underlain by a brown sand and gravel stratum that occurs between a depth of 35.5 and 42 feet at monitor well MW-2. The sand and gravel stratum is underlain by a brown, silty clay stratum that extends to a depth of at least 43.5 feet at monitor well MW-2, which is the deepest boring advanced at the site.

7.4 Regional Hydrology

The principal water-bearing units in Nueces County are the Goliad Sand, Lissie Formation, and Beaumont Clay, which are part of the Gulf Coast Aquifer. Water wells completed in the Goliad Sand are capable of yielding small to large quantities of water, and water wells completed in the Lissie Formation and Beaumont Clay are capable of yielding small to moderate quantities of water (Shafer, 1968). Groundwater salinity in the Gulf Coast Aquifer in Nueces County generally increases in the down-dip direction (southeast) near the Gulf of Mexico.

Water for the City of Corpus Christi is provided by Lake Corpus Christi, which is located approximately 30 miles west of the site. As detailed in the RFI Work Plan, a water well inventory was conducted during December 1999 to identify any water wells within a ½-mile radius of the Encycle site. No water wells were identified within a ½-mile radius of the site.

7.5 Local Hydrology

7.5.1 General

The uppermost water-bearing unit in the northern portion of the site is the fill/alluvium (undifferentiated). The uppermost saturated stratum in the fill/alluvium is the gray to brown, very fine to fine grained sand that occurs between an average depth of approximately 5 and 20 feet. As shown on Table 5, depth to groundwater in the fill/alluvium monitor wells ranges from approximately 1 foot at monitor well MW-10 to 7 feet at monitor well MW-5. As shown on Figures 12, 13, and 14, groundwater flow in the fill/alluvium is northerly toward the Corpus Christi Ship Channel at an average hydraulic gradient of approximately 0.01 foot per foot (ft/ft).

The uppermost water-bearing unit in the southern portion of the site is the Beaumont Formation. The uppermost saturated stratum in the Beaumont Formation is the tan, gray, brown, and pale orange, very fine to fine grained sand stratum that occurs between an average depth of approximately 15 and 27 feet. As shown on Table 5, depth to groundwater in the Beaumont Formation monitor wells ranges from approximately 16 feet at monitor well MW-21 to 23 feet at monitor well MW-12. As shown on Figures 12, 13, and 14, shallow groundwater flow in the Beaumont Formation is northerly in the eastern portion of the site, and northwesterly to westerly in the western portion of the site. Water level elevations in the Beaumont Formation are lowest at monitor wells MW-11 and MW-12, located in the western portion of the

site. In addition to the Corpus Christi Ship Channel at the northern end of the site, an unnamed intermittent stream located approximately 1,800 feet west of the site may influence shallow groundwater flow direction in the western portion of the Encycle site. The average hydraulic gradient in the Beaumont Formation at the site is approximately 0.005 foot per foot (ft/ft).

A leaking petroleum storage tank site (Circle K, 5555 Up River Road – LPST ID No. 94543) is located directly south of the Encycle facility. As shown in Appendix F, shallow groundwater flow in the Beaumont Formation at the adjacent LPST site is northerly (Groundwater Technology, 1992).

As shown on Figure 11, the uppermost saturated strata (sand) in the Beaumont Formation and in the fill/alluvium occur at approximately the same elevation. Therefore, these sand strata are likely hydraulically connected. Water table maps also indicate shallow groundwater in the Beaumont Formation at the site discharges into the fill/alluvium.

7.5.2 Aquifer Test Results

As discussed above in Section 6.2.5, aquifer tests were conducted during July 2000 using existing 4-inch-diameter monitor wells completed in the fill/alluvium (monitor well MW-6) and the Beaumont Formation (monitor well MW-7) as pumping wells. Aquifer test results are summarized on Table 7, and aquifer test data is provided in Appendix G.

As shown on Table 7, the average transmissivity of the fill/alluvium and the Beaumont Formation were calculated at 35.1 gallons per day per foot (gpd/ft) and 1,192 gpd/ft, respectively. The average groundwater velocity of the fill/alluvium and Beaumont Formation were calculated at 8.5 feet per year and 88 feet per year, respectively, based on the site-specific data shown on Table 7.

7.5.3 Potential Well Yields

The average sustainable well yields in the fill/alluvium and in the Beaumont Formation at the site were determined using the July 2000 aquifer test data. As shown on Table 8, the sustainable well yield estimates for the fill/alluvium and Beaumont Formation are 154 gallons per day and 4,889 gallons per day, respectively. The well yield estimate for the Beaumont Formation is higher than the fill/alluvium, as expected, because the aquifer test data showed Beaumont Formation monitor well MW-7 was able to sustain

a higher pumping rate (2.0 gpm for 6 hours) than fill/alluvium monitor well MW-6 (0.25 gpm for 6 hours).

8. RFI Analytical Results

8.1 General

As specified in the RFI Work Plan, the soil and groundwater samples were analyzed for constituents currently or previously managed at the site (antimony, arsenic, barium, bismuth, cadmium, chromium, cobalt, copper, cyanide, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc) in accordance with the EPA test methods and sample quantitation limits specified in the RFI Work Plan. The analytical laboratory (ASARCO, Inc., Salt Lake City, Utah) performed the sample analysis in accordance with the laboratory quality assurance/quality control (QA/QC) procedures specified in the RFI Work Plan Quality Assurance Plan (QAP). Soil sample analytical laboratory reports and laboratory QA/QC data are provided in Appendix H, and groundwater sample analytical laboratory reports and laboratory QA/QC data are provided in Appendix I.

The soil and groundwater analytical data obtained during the RFI were evaluated in accordance with the TNRCC Risk Reduction Standards given in 30 TAC Chapter 335, Subchapter S. The Risk Reduction Standards establish three performance standards that can be used to close, remediate, or control affected media. The Rules state that different affected media at a site may be remediated to meet the requirements of the different standards.

Risk Reduction Standard No. 1 (RRS1) requires the removal or decontamination of affected media to background levels or to Practical Quantitation Limits, as appropriate. Post-closure care and deed recordation are not requirements of this standard.

Risk Reduction Standard No. 2 (RRS2) requires removal or decontamination of affected media to generic risk-based cleanup levels that are referred to as medium-specific concentrations (MSCs). These MSCs are based primarily on protecting humans from ingestion and inhalation of affected soil, and from ingestion of surface water and groundwater. At non-residential sites, the MSCs protective of ingestion and inhalation of affected soil (SAI-Ind) apply to the upper two feet of soil. The MSCs for soil that are protective of groundwater (GWP-Ind) apply to both surface and subsurface (i.e., greater than two feet in depth) soils. If the naturally occurring background total dissolved solids (TDS) concentration of the groundwater exceeds 10,000 milligrams

per liter (mg/L), RRS2 cleanup levels protective of groundwater may be adjusted by multiplying by 100 (30 TAC Chapter 335.559(d)(3)). Closure or remediation under RRS2 imposes a deed certification requirement.

Risk Reduction Standard No. 3 (RRS3) requires the removal, decontamination, or control of affected media such that current or future risks to human health and the environment are eliminated or reduced to the maximum extent practicable. RRS3 allows the incorporation of engineering controls such as construction of a fence, placement of a cap, or stablization/solidification/fixation of the affected media. Completion of a baseline risk assessment (BLRA) and deed recordation is required under RRS3. Post-closure care also may be required under RRS3.

As detailed below, RFI soil and groundwater analytical results were compared to background (i.e., RRS1) concentrations. The RFI soil and groundwater analytical results also were compared to RRS2 MSCs.

8.2 Soil Quality Assessment

8.2.1 General

As discussed above in Section 6.1.1, soil samples were collected for laboratory analysis from (1) 173 soil borings, (2) soils excavated during repair of the storm sewer system, and (3) soils located above ground level in the boneyard. The soil samples were analyzed for total metals and cyanide, and selected soil samples also were analyzed for SPLP metals. The soil samples were analyzed within EPA-specified sample holding times, except for several soil samples which were not analyzed for total cyanide and/or total mercury within the EPA-specified holding times of 14 days and 28 days, respectively. These soil samples, which are footnoted on Table 1, were re-collected and re-analyzed for total cyanide and total mercury within EPA-specified holding times. Soil sample analytical results are summarized on Table 1, and copies of the analytical laboratory reports are provided in Appendix H. Soil sample analytical results are also summarized on Figures 15 through 30, and soil sample analytical results for each SWMU are summarized on Tables 10 through 34.

8.2.2 Background Soil Samples

Background soil samples were collected in the relatively undisturbed southeast corner of the site between 1992 and 2001 to determine background concentrations for metals, which can be naturally occurring in soil.

Background metal concentrations for soils at the site were approved in an April 28, 1997 letter from the TNRCC. Following TNRCC authorization to proceed in a January 4, 2001 letter, additional background soil samples were collected on January 15, 2001 from six soil borings (B-174 through B-179) located in the southeast corner of the site. Soil boring locations are shown on Figure 6. The additional background soil samples were collected to obtain lithology-specific background concentrations for antimony, barium, chromium, silver, thallium, and vanadium. The revised, lithology-specific background concentrations for antimony, barium, chromium, silver, thallium, and vanadium were provided in a July 19, 2001 letter report to the TNRCC, and the revised background concentrations were approved in an October 15, 2001 letter from the TNRCC. A copy of the October 15, 2001 TNRCC letter is provided in Appendix J, and the approved background metal concentrations for soil are summarized in Table 9.

8.2.3 01 Landfill

Soil sample analytical results for the 01 Landfill area soil borings are summarized on Table 10. Soil borings B-9 through B-12 and B-30 through B-32 were advanced around the perimeter of the 01 Landfill during the initial (1993) RFI, and soil borings B-144 through B-155 were advanced radially outward from the 01 Landfill during 2000 and 2001 as specified in the approved RFI Work Plan. Additionally, as discussed above in Section 6.1.2.2, soil borings B-140 through B-143 were advanced along the northern boundary of the 01 Landfill during 2000 to obtain soil samples for soil leachate (SPLP) testing.

As shown on Table 10, the concentrations of several constituents in soil exceed background levels. Constituent concentrations in soil in the 01 Landfill area are generally highest in the soil samples located closest to the 01 Landfill, and decrease in concentration with distance away from the 01 Landfill. Constituent concentrations in soil vary with depth, but are generally higher in subsurface (greater than 2 feet below ground level) soil samples than in the corresponding surface soil samples from that boring. The clay cap installed above the 01 Landfill during closure activities in 1985 likely reduces the potential for releases to surface soils in this area.

As shown on Table 10, total cadmium and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The total lead concentration in the surface soil sample from soil boring B-143 (1,070 mg/kg) also slightly exceeds the RRS2 SAI-Ind of 1,000 mg/kg lead.

Antimony, arsenic, cadmium, lead, mercury, and selenium concentrations in several subsurface (below 2 feet) soil samples exceed the RRS2 adjusted GWP-Ind. Several of the soil samples with total constituent concentrations above the RRS2 adjusted GWP-Ind were also analyzed for leachable metals using the SPLP. As shown on Table 10, the leachable metal concentration in these soil samples did not exceed the adjusted groundwater protection standards. For example, the total lead concentrations in the 2-2.5 foot depth and 5-5.5 foot depth soil samples from soil boring B-140 (371 mg/kg and 4,212 mg/kg, respectively) exceeded the RRS2 adjusted GWP-Ind of 150 mg/kg lead. However, the SPLP lead concentrations in these two samples were both less than 0.1 mg/L, which is below the RRS2 adjusted groundwater protection standard of 1.5 mg/L lead. Therefore, as per 30 TAC Chapter 335.559(g)(2)(B), the soil samples with leachable metals concentrations below the adjusted groundwater protection standard do not exceed the RRS2 adjusted GWP-Ind.

8.2.4 East and West Lagoons

Soil sample analytical results for the East and West Lagoons area soil borings are summarized on Table 11. Soil borings B-13 through B-17 were advanced around the perimeter of the West Lagoon during the initial (1993) RFI, and soil borings B-156 through B-173 were advanced radially outward from the East and West Lagoons during 2000 and 2001 as specified in the approved RFI Work Plan.

As shown on Table 11, the concentrations of several constituents exceed background levels. Constituent concentrations in soil in the East and West Lagoons area are generally highest in the surface (0-0.5 foot) and 2-2.5 foot depth soil samples, and decline in concentration below a depth of 2.5 feet. Metal concentrations in one or more soil samples at the saturated zone exceed background concentrations, except for barium, cobalt, and nickel which do not exceed background concentrations in any of the saturated zone soil samples.

As shown on Table 11, total cadmium, lead, mercury, and selenium concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The mercury concentration in the surface soil sample from soil boring B-160, and the lead and mercury concentrations in the surface soil sample from soil boring B-161 also exceeded the RRS2 SAI-Ind. The lead concentrations in the 1-1.5 foot depth soil sample from soil boring B-169 and the 2-2.5 foot depth soil sample from soil boring B-13 also exceed the RRS2 adjusted GWP-Ind.

As shown on Table 11, cadmium, lead, mercury, and selenium concentrations in the surface soil samples west of the West Lagoon generally increase with distance away from (west of) the West Lagoon. Therefore, the source of these constituents in surface soil samples is likely not the West Lagoon. Collection of additional surface soil samples west of the West Lagoon is recommended to complete the delineation of cadmium, lead, mercury, and selenium in this area, and to determine the source of these constituents (see Section 11 - Recommendations).

8.2.5 Waste Pile

Soil sample analytical results for the Waste Pile area are summarized on Table 12. Soil borings B-18 through B-23 were advanced during the initial (1993) RFI, and soil borings B-118 through B-129 were advanced radially outward from the Waste Pile during 2000 and 2001 as specified in the approved RFI Work Plan.

As shown on Table 12, the concentrations of several constituents exceed background levels. Constituent concentrations in soil in the Waste Pile area are generally highest in the surface (0-0.5 foot) and 2-2.5 foot depth soil samples, and decline in concentration below a depth of 2.5 feet. Antimony, barium, and thallium concentrations in one or more soil samples at the saturated zone slightly exceed background concentrations.

As shown on Table 12, total arsenic, cadmium, and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The lead concentration in the surface soil sample from soil boring B-21 (1,504 mg/kg), collected during the initial (1993) RFI, also exceeded the RRS2 SAI-Ind. The cadmium and lead concentrations in the 2-2.5 foot depth soil sample from soil boring B-22, collected during the initial (1993) RFI, also exceed the RRS2 adjusted GWP-Ind.

8.2.6 Railroad Tracks Area

Soil sample analytical results for the Railroad Tracks Area are summarized on Table 13. As shown on Table 13 and Figures 15 through 22, COC concentrations in surface soil samples (0-0.5 feet) at the Encycle facility are highest in the Railroad Tracks Area. The highest COC concentrations in surface soils are located along the railroad tracks directly south of Product Storage Building C (i.e., soil borings B-96 through B-99). Total cadmium concentrations in surface soil samples along the railroad tracks south of Product Storage Building C range from 2,046 to 3,911 mg/kg, and total lead concentrations in surface soil samples range from 20,870 to 65,760 mg/kg. Constituent concentrations in the Railroad Tracks Area decline with depth. The concentrations of

antimony, cadmium, chromium, silver, and thallium in one or more soil samples along the railroad tracks south of Product Storage Building C exceed background levels at the saturated zone, which ranges in depth from 14 to 16 feet in this area. Constituent concentrations in the soils along the railroad tracks directly north of Product Storage Building C (i.e., soil borings B-100 through B-104) all decline to background levels above the saturated zone.

As shown on Table 13, antimony, arsenic, cadmium, chromium, copper, lead, mercury, and nickel concentrations in several surface (0-0.5 foot) soil samples in the Railroad Tracks Area exceed the RRS2 adjusted GWP-Ind and/or the RRS2 SAI-Ind. Constituent concentrations in the Railroad Tracks Area decline significantly below the surface soil (0-0.5 foot) interval. All constituent concentrations in the 2-2.5 foot depth soil samples are below the RRS2 SAI-Ind and the RRS2 adjusted GWP-Ind except cadmium at soil boring B-97. Cadmium concentrations in the 2-2.5 foot depth and 5.5 foot depth soil samples from soil boring B-97 exceed the RRS2 GWP-Ind of 50 mg/kg cadmium. The 2-2.5 foot depth soil sample from soil boring B-97, which contained 2,165 mg/kg total cadmium, was analyzed for leachable cadmium using the SPLP. As shown on Table 13, the SPLP cadmium concentration in the 2-2.5 foot depth soil sample from soil boring B-97 (15 mg/L) exceeded the RRS2 adjusted groundwater MSC of 0.5 mg/L cadmium.

8.2.7 Feed Tank 1

Soil sample analytical results for the Feed Tank 1 area are summarized on Table 14. As shown on Table 14, the concentrations of several constituents exceed background levels. Constituent concentrations in soil in the Feed Tank 1area are generally highest in the surface (0-0.5 foot) and 2-2.5 foot depth soil samples, and decline in concentration below a depth of 2.5 feet. Chromium, cobalt, nickel, selenium, and silver concentrations in one or more soil samples at the saturated zone slightly exceed background concentrations.

As shown on Table 14, total cadmium and lead concentrations in several surface (0-0.5 foot) and 2-2.5 foot depth soil samples exceed the RRS2 adjusted GWP-Ind. The concentration of leachable (SPLP) cadmium (1 mg/L) in the 2-2.5 foot depth soil sample from soil boring B-64 also exceeds the adjusted Groundwater MSC of 0.5 mg/L cadmium. The concentrations of SPLP lead in the surface soil sample from soil boring B-61 and the 2-2.5 foot depth soil sample from soil boring B-64 are below the adjusted Groundwater MSC of 1.5 mg/L lead. Therefore, based on the SPLP metals

concentrations, the lead concentrations at soil borings B-61 and B-64 do not exceed the RRS2 adjusted GWP-Ind as per 30 TAC Chapter 335.559(g)(2)(B).

The mercury concentration in the surface soil sample from soil boring B-61 (18 mg/kg) exceeds the RRS2 SAI-Ind of 9.6 mg/kg mercury. No other constituents in surface soils in the Feed Tank 1 area exceed the RRS2 SAI-Ind.

8.2.8 Feed Tank 2

Soil sample analytical results for the Feed Tank 2 area are summarized on Table 15. As shown on Table 15, the concentrations of several constituents exceed background levels. Constituent concentrations in soil in the Feed Tank 1area are generally highest in the surface (0-0.5 foot) soil samples, except at soil boring B-82, located west of Feed Tank 2, where antimony, cadmium, chromium, and manganese exceed background levels at several depth intervals from the surface to the top of the saturated zone at a depth of 19 feet.

As shown on Table 15, total cadmium concentrations in several surface soil samples, and in subsurface soil samples at soil boring B-82 exceed the RRS2 adjusted GWP-Ind of 50 mg/kg cadmium. The concentration of leachable (SPLP) cadmium (1.7 mg/L) in the 2-2.5 foot depth soil sample from soil boring B-82 also exceeds the adjusted Groundwater MSC of 0.5 mg/L cadmium.

No constituents in surface soils in the Feed Tank 2 area exceed the RRS2 SAI-Ind.

8.2.9 Road Leading to the West of Building C

Soil sample analytical results for the Road Leading to the West of Building C are summarized on Table 16. As discussed above in Section 6.1.8, the soil samples in this area were collected in unpaved areas along the edge of the road. As shown on Table 16, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceeded background levels. Constituent concentrations in soil alongside the Road Leading to the West of Building C decline with depth, and all constituent concentrations declined to background levels above the saturated zone.

As shown on Table 16, antimony, arsenic, cadmium, and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The arsenic, cadmium, and lead concentrations in the surface soil sample from soil boring B-35, and the lead concentrations in the surface soil samples from soil borings B-38 and B-40

exceed the RRS2 SAI-Ind. The cadmium and lead concentrations in the 2-2.5 foot depth soil sample from soil boring B-35, and the lead concentrations in the 2-2.5 and 5.5 foot depth soil samples from soil boring B-40 also exceed the RRS2 adjusted GWP-Ind. Antimony, arsenic, cadmium, and lead concentrations at these soil boring locations decline to background concentrations at depths ranging from 2.5 to 11.5 feet.

Although the concentrations of total cadmium (155 mg/kg) and total lead (985 mg/kg) in the surface soil samples from soil boring B-37 exceed the RRS2 adjusted GWP-Ind, the leachable concentrations of these metals as determined using the SPLP do not exceed the adjusted groundwater protection standards. Therefore, based on the SPLP metals concentrations, the surface soils at soil boring B-37 do not exceed the RRS2 adjusted GWP-Ind as per 30 TAC Chapter 335.559(g)(2)(B).

8.2.10 Grain Elevator

Soil sample analytical results for the Grain Elevator are summarized on Table 17. As shown on Table 17, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the Grain Elevator decline with depth. As shown on Table 17, none of the constituents in soil at the Grain Elevator exceed the RRS2 SAI-Ind, and none of the constituents have total concentrations above the RRS2 adjusted GWP-Ind except total lead in the surface (0-0.5 foot) soil sample from soil boring B-138 (164 mg/kg) which exceeds the RRS2 adjusted GWP-Ind of 150 mg/kg lead. However, several soil samples at the Encycle facility with higher total lead concentrations (i.e., B-37, B-61, B-105, B-113, B-140) had SPLP lead concentrations below the adjusted groundwater protection standards. Therefore, based on the SPLP lead data, the total lead concentration in surface soils at soil boring B-138 would not produce a leachable lead concentration above the adjusted groundwater protection standard, and therefore would not exceed the RRS2 adjusted GWP-Ind as per 30 TAC Chapter 335.559(g)(2)(B).

All constituent concentrations in soil at Grain Elevator step-out soil borings B-198 and B-201 declined to background levels, indicating the extent of COCs in soil have been delineated to background levels at these locations. All constituent concentrations in soil at Grain Elevator step-out soil borings B-196 and B-203 declined to background levels except chromium (15 mg/kg) in the surface soil samples that slightly exceeded the background concentration of 14.9 mg/kg chromium. All constituent concentrations in soil at Grain Elevator step-out boring B-197 declined to background levels except manganese (440 mg/kg) in the surface soil sample that exceeded the background manganese concentration of 333.73 mg/kg for surface soil. Also, all

constituent concentrations in soil at Grain Elevator step-out soil boring B-200 declined to background levels except cobalt (9.9 mg/kg) in the surface soil sample which slightly exceeded the background concentration of 9.72 mg/kg cobalt.

8.2.11 Former Sludge Drying Beds

Soil sample analytical results for the Former Sludge Drying Beds are summarized on Table 18. As shown on Table 18, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the Former Sludge Drying Beds decline with depth. With the exception of antimony at soil boring B-48, all constituent concentrations decline to background levels within 5.5 feet of ground surface. Low concentrations of antimony (1 - 3 mg/kg) are present in soil above background levels at soil boring B-48 from the surface to the top of the saturated zone at a depth of 11.5 feet.

As shown on Table 18, no constituents in soil at the Former Sludge Drying Beds exceed the RRS2 SAI-Ind or the adjusted GWP-Ind.

8.2.12 Reactor Clarifier

Soil sample analytical results for the Reactor Clarifier area are summarized on Table 19. As shown on Table 19, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil in the Reactor Clarifier area decline with depth to background levels within 14.5 feet of ground surface. All constituent concentrations in soil in the Reactor Clarifier area declined to background levels above the saturated zone.

As shown on Table 19, arsenic, cadmium, and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The lead concentration in the surface soil sample from soil boring B-42 (1,730 mg/kg) also exceeds the RRS2 SAI-Ind of 1,000 mg/kg lead. Arsenic, cadmium, and lead concentrations in soil decline to background concentrations at depths ranging from 2.5 to 8.5 feet.

8.2.13 Facility No. 1

Soil sample analytical results for the Facility No. 1 area are summarized on Table 20. As shown on Table 20, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at Facility No. 1 decline with depth. With the exception of antimony at soil boring B-68

and thallium at soil boring B-70, all constituent concentrations decline to background levels within 8.5 feet of ground surface. Low concentrations of antimony (2 – 4 mg/kg) are present in soil above background levels at soil boring B-68 from the surface to the top of the saturated zone at a depth of 15.7 feet, and low concentrations of thallium (2 – 7 mg/kg) are present in soil above background levels at soil boring B-70 from the surface to the top of the saturated zone at a depth of 11.5 feet.

As shown on Table 20, cadmium concentrations in several soil samples at Facility No. 1 exceed the RRS2 adjusted GWP-Ind at depths of 0-0.5 feet, 2-2.5 feet, and 5.5 feet. Cadmium concentrations in soil decline to background concentrations at depths ranging from 2.5 to 8.5 feet.

8.2.14 Facility No. 2

Soil sample analytical results for the Facility No. 2 area are summarized on Table 21. As shown on Table 21, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at Facility No. 2 decline with depth. With the exception of antimony at soil boring B-86, all constituent concentrations decline to background levels within 11.5 feet of ground surface. Low concentrations of antimony (1 – 2 mg/kg) are present in soil above background levels at soil boring B-86 from the surface to the top of the saturated zone at a depth of 16 feet.

As shown on Table 21, cadmium and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The cadmium concentration in the surface soil sample from soil boring B-88 (2,440 mg/kg in the duplicate sample) also exceeds the RRS2 SAI-Ind of 1,500 mg/kg cadmium. Cadmium and lead concentrations in soil decline to background concentrations at depths ranging from 2.5 to 11.5 feet.

8.2.15 Facility No. 3

Soil sample analytical results for the Facility No. 3 area are summarized on Table 22. As shown on Table 22, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at Facility No. 3 decline with depth. With the exception of antimony at soil borings B-92, B-94, and B-95, all constituent concentrations decline to background levels within 5.5 feet of ground surface. Low concentrations of antimony (1 – 4 mg/kg) are present in

soil above background levels at soil borings B-92, B-94, and B-95 from the surface to the top of the saturated zone at a depths ranging from 11.7 to 14.3 feet.

As shown on Table 22, cadmium and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The mercury concentration in the surface soil sample from soil boring B-93 (10 mg/kg) also exceeds the RRS2 SAI-Ind of 9.6 mg/kg mercury. Cadmium, lead, and mercury concentrations in soil decline to background concentrations at depths ranging from 2.5 to 5.5 feet.

8.2.16 West Cell House

Soil sample analytical results for the West Cell House are summarized on Table 23. As shown on Table 23, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the West Cell House decline with depth. With the exception of thallium at soil boring B-74, all constituent concentrations decline to background levels within 5.5 feet of ground surface. Low concentrations of thallium (2 – 3 mg/kg) are present in soil above background levels at soil boring B-74 from the surface to the top of the saturated zone at a depth of 20.5 feet.

As shown on Table 23, no constituents in soil at the West Cell House exceed the RRS2 SAI-Ind or the adjusted GWP-Ind.

8.2.17 NOR 43 Building

Soil sample analytical results for the NOR 43 Building are summarized on Table 24. As shown on Table 24, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the NOR 43 Building decline with depth. With the exception of antimony at soil borings B-75 and B-76, all constituent concentrations decline to background levels within 5.5 feet of ground surface. Low concentrations of antimony (2 – 5 mg/kg) are present in soil above background levels at soil borings B-75 and B-76 from the surface to the top of the saturated zone at a depth ranging from 23.4 feet at B-76 to 26 feet at soil boring B-75.

As shown on Table 24, no constituents in soil at the NOR 43 Building exceed the RRS2 SAI-Ind or the adjusted GWP-Ind.

8.2.18 Product Storage Building (Building C)

Soil sample analytical results for Product Storage Building C are summarized on Table 25. As shown on Table 25, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at Product Storage Building C decline with depth. With the exception of antimony at soil borings B-33 and B-34, all constituent concentrations decline to background levels within 8.5 feet of ground surface. Low concentrations of antimony (2 – 6 mg/kg) are present in soil above background levels at soil borings B-33 and B-34 from the surface to the top of the saturated zone at depths of 13 feet and 14 feet, respectively.

As shown on Table 25, cadmium and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The cadmium concentration in the 2-2.5 foot depth soil sample from soil boring B-34 (53 mg/kg) also exceeds the RRS2 adjusted GWP-Ind of 50 mg/kg cadmium. None of the cadmium or lead concentrations exceed the RRS2 SAI-Ind, and cadmium and lead concentrations in soil decline to background concentrations at depths ranging from 2.5 to 8.5 feet.

8.2.19 Product Storage Bins (Numbered Bins)

Soil sample analytical results for the Product Storage Bins (Numbered Bins) area are summarized on Table 26. As shown on Table 26, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the Product Storage Bins decline with depth. With the exception of antimony at soil boring B-56, all constituent concentrations decline to background levels above the top of the saturated zone. As shown on Table 26, low concentrations of antimony (1 – 2 mg/kg) are present in soil above background levels at soil boring B-56 from the surface to the top of the saturated zone at a depth of 14 feet.

As shown on Table 26, antimony, cadmium, and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The cadmium concentration in the 2-2.5 foot depth soil sample from soil boring B-53 (1,055 mg/kg) also exceeds the RRS2 GWP-Ind 0f 50 mg/kg cadmium. The antimony concentration in the surface soil sample from soil boring B-184 (606 mg/kg in the duplicate sample) also exceeds the SAI-Ind of 490 mg/kg antimony. Antimony, cadmium, and lead concentrations at these soil borings locations decline to background concentrations at depths ranging from 2.5 to 8.5 feet.

All constituent concentrations in soil at Product Storage Bins step-out soil boring B-185 declined to background levels, indicating the extent of COCs in soil have been delineated to background levels at this location.

8.2.20 Building North of Facility No. 2 (3-Sided Bin)

Soil sample analytical results for the former Building North of Facility No. 2 (former 3-Sided Bin) are summarized on Table 27. As shown on Table 27, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the former Building North of Facility No. 2 decline with depth to background levels within 11.5 feet of ground surface. As discussed above in Section 6.1.19, depth to groundwater at the former Building North of Facility No. 2 ranges from 15.8 to 17 feet. Therefore, constituent concentrations in soil at the former Building North of Facility No. 2 all decline to background concentrations above the saturated zone.

As shown on Table 27, cadmium concentrations in soil at the former Building North of Facility No. 2 exceed the RRS2 adjusted GWP-Ind at depths of 0-0.5 feet and 2-2.5 feet. Cadmium concentrations in soil decline to background concentrations at depths ranging from 8.5 to 11.5 feet.

8.2.21 Old Casting Building

Soil sample analytical results for the Old Casting Building are summarized on Table 28. As shown on Table 28, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil at the Old Casting Building decline with depth. With the exception of antimony at soil boring B-60, all constituent concentrations decline to background levels within 5.5 feet of ground surface. Low concentrations of antimony (1 – 2 mg/kg) are present in soil above background levels at soil boring B-60 from the surface to the top of the saturated zone at a depth of 10 feet.

As shown on Table 28, no constituents in soil at the Old Casting Building exceed the RRS2 SAI-Ind or the adjusted GWP-Ind.

All constituent concentrations in soil at Old Casting Building step-out soil boring B-181 declined to background levels, indicating the extent of COCs in soil have been delineated to background levels at this location.

8.2.22 Storm Sewer System

8.2.22.1 Storm Sewer System Soil Borings

Soil sample analytical results for the storm sewer system soil borings (B-108 through B-117) are summarized on Table 29. As shown on Table 29, the concentrations of several constituents exceed background levels. Constituent concentrations in soil along the storm sewer system are generally highest in the surface (0-0.5 foot) soil samples. The surface soil sample from soil boring B-111 shows the highest constituent concentrations, including 698 mg/kg arsenic, 696 mg/kg cadmium and 18,730 mg/kg lead. As shown on Figure 6, soil boring B-111 is located in a paved area directly east of the West Cell House. Constituent concentrations in soil along the storm sewer system generally decrease with depth. However, the cadmium concentration at soil boring B-113, located at the east end of Facility No. 2, is also elevated (480 mg/kg) in the soil sample at the top of the saturated zone at a depth of 17.3 feet.

As shown on Table 29, total antimony, arsenic, cadmium, and lead concentrations in several surface soil samples exceed the RRS2 adjusted GWP-Ind and/or the RRS2 SAI-Ind. Total cadmium and lead concentrations in several 2-2.5 foot depth soil samples also exceed the RRS2 adjusted GWP-Ind.

The concentration of leachable (SPLP) cadmium (2.1 mg/L) in the surface soil sample from soil boring B-113 exceeds the adjusted Groundwater MSC of 0.5 mg/L cadmium. The concentrations of SPLP arsenic and lead in the surface soil sample from soil boring B-113 are below the adjusted Groundwater MSCs of 1 mg/L arsenic and 1.5 mg/L lead, respectively. Therefore, based on the SPLP metals concentrations, the arsenic and lead concentrations in the surface soil sample from soil boring B-113 do not exceed the RRS2 adjusted GWP-Ind as per 30 TAC Chapter 335.559(g)(2)(B).

8.2.22.2 North and South Demin Tank Soil Borings

Soil sample analytical results for the North and South Demin Tank area are summarized on Table 30. As shown on Table 30, the concentrations of several constituents in surface soil samples (0-0.5 feet) exceed background levels. Constituent concentrations in soil in the North and South Demin Tank area decline with depth. With the exception of antimony at soil boring B-50, all constituent concentrations decline to background levels within 11.5 feet of ground surface. Low concentrations of antimony (1 – 3 mg/kg) are present in soil above background levels at soil boring B-50 from the surface to the top of the saturated zone at a depth of 12.5 feet.

As shown on Table 30, cadmium and lead concentrations in several surface (0-0.5 foot) soil samples exceed the RRS2 adjusted GWP-Ind. The lead concentration in the 2-2.5 foot depth soil sample from soil boring B-51 (647 mg/kg) also exceeds the RRS2 adjusted GWP-Ind of 150 mg/kg lead. None of the cadmium or lead concentrations exceed the RRS2 SAI-Ind, and cadmium and lead concentrations in soil decline to background concentrations at depths ranging from 2.5 to 5.5 feet.

8.2.22.3 Storm Sewer System Excavated Soils

As detailed above in Section 6.1.21.4, as part of the approved Closure Plan for the East and West Lagoons, soils were excavated around the outside of the storm sewer system piping during repair activities. Soil samples were collected from the excavated soils for analysis of total metals and cyanide, and the soils were then returned to the excavation. Soil sample analytical results are summarized on Table 31, and copies of the analytical laboratory reports are provided in Appendix K. Storm drain locations are shown on Figure 4.

As shown on Table 31, the concentrations of several constituents in soil exceed background levels at each storm drain piping repair area. The soil samples from the Storm Drain 38a excavation, located near the Former Sludge Drying Beds, and the Storm Drain 219 excavation, located near the East Cell House, show the highest constituent concentrations. As shown on Table 31, total cadmium and lead concentrations in the Storm Drain 38a excavation and the total lead concentration in the Storm Drain 219 excavation, exceed the RRS2 adjusted GWP-Ind. The total lead concentrations also exceed the RRS2 SAI-Ind of 1,000 mg/kg lead.

8.2.23 Boneyard

8.2.23.1 Boneyard Soil and Debris Pile Sampling

As detailed above in Section 6.1.22.2, the Boneyard soil and debris piles consisted of approximately 660 cubic yards of loose soil with concrete fragments, and approximately 1,000 cubic yards of wooden railroad ties. Five composite samples (Boneyard Comp-1 through Boneyard Comp-5) were collected from the wooden railroad ties using a pickax, and four composite samples (Boneyard Comp-6 through Boneyard Comp-9) were collected from the soil piles using a trowel. As detailed in the July 16, 2001 ARCADIS report, the wooden railroad ties were re-sampled (Sample IDs: Boneyard Comp-1A through Boneyard Comp 5A) using a more representative core barrel sampling procedure. Boneyard soil and debris pile sample locations are

shown on Figure 7, analytical results are summarized on Table 32 (total metals) and Table 33 (TCLP metals), and copies of the analytical laboratory reports are provided in Appendix L.

As shown on Table 32, total metals concentrations were generally higher in the soil samples than in the wooden railroad tie samples. The constituent with the highest total concentration in each sample was zinc, ranging from 178 to 35,230 mg/kg.

As shown on Table 33, TCLP cadmium and lead concentrations were elevated in the boneyard soil pile samples. The TCLP Metal and SVOC concentrations in the wooden railroad tie samples collected on May 7, 2001 using the core barrel sampling procedure did not exceed characteristically hazardous levels.

As detailed below in Section 9.2, interim corrective measures were implemented in the boneyard area during 2000 and 2001. The interim corrective measures included covering of the boneyard soil and debris piles with a high-density polyethylene (HDPE) liner, and disposal of the boneyard above-ground soil piles at the Texas Ecologists landfill near Robstown, Texas.

8.2.23.2 Boneyard Soil Borings

Soil sample analytical results for the boneyard area are summarized on Table 34. As shown on Table 34 and Figures 15 through 22, COC concentrations in surface soil samples (0-0.5 feet) at the Encycle facility are elevated in portions of the Boneyard area. Constituent concentrations in surface soils in the Boneyard area are highest at soil boring B-105, located near the southeast corner of the Boneyard. Constituent concentrations in the Boneyard area soils decrease with depth. With the exception of antimony and thallium, constituent concentrations decline to background levels within 8.5 feet of ground surface. Low concentrations of antimony and thallium (up to 2 mg/kg) are present in soils at the saturated zone at a depth of 10 to 10.5 feet.

As shown on Table 34, antimony, arsenic, cadmium, chromium, and lead concentrations in several surface (0-0.5 foot) soil samples in the Boneyard area exceed the RRS2 adjusted GWP-Ind and/or the RRS2 SAI-Ind. Constituent concentrations in the Boneyard area decline significantly below the surface soil interval. All constituent concentrations in the 2-2.5 foot depth soil samples are below the RRS2 adjusted GWP-Ind except cadmium at soil borings B-188 and B-190.

The surface soil sample from soil boring B-105, which contained total antimony, arsenic, cadmium, and lead concentrations above the RRS2 adjusted GWP-Ind, was analyzed for leachable metals using the SPLP. As shown on Table 34, the SPLP cadmium concentration in the surface soil sample from soil boring B-105 (5.3 mg/L) exceeded the RRS2 adjusted groundwater MSC of 0.5 mg/L cadmium. The concentrations of SPLP antimony, arsenic, and lead in the surface soil sample from soil boring B-105 are below the adjusted Groundwater MSCs. Therefore, based on the SPLP metals concentrations, the antimony, arsenic, and lead concentrations in the surface soil sample from soil boring B-105 do not exceed the RRS2 adjusted GWP-Ind as per 30 TAC Chapter 335.559(g)(2)(B).

8.2.24 Soil Sample Geotechnical Parameter Analysis

As discussed above in Section 6.1.23, two background geotechnical soil borings were advanced at the site, one boring in the fill/alluvium, and one boring in the Beaumont Formation. An unsaturated and a saturated soil sample were collected from each boring for geotechnical parameter analysis. Geotechnical soil sample analytical results are summarized in Table 35, and copies of the geotechnical laboratory reports are provided in Appendix M.

As shown in Table 35, the intrinsic permeability of the samples range from 2.48×10^{-5} centimeters per second (cm/sec) in the fill/alluvium saturated sample to 2.49×10^{-4} cm/sec in the Beaumont Formation saturated sample. The saturated soil sample intrinsic permeability data is consistent with the aquifer test data showing the permeability of the uppermost water-bearing unit in the Beaumont Formation is higher than the fill/alluvium at the site.

8.3 Groundwater Quality Assessment

8.3.1 General

As discussed above in Section 6.2.4, groundwater samples were collected monthly for three months from the existing monitor wells (MW-2 through MW-10) and the newly installed monitor wells (MW-11 through MW-21). The groundwater samples were analyzed for the constituents currently or formerly managed at the site in accordance with the EPA test methods and sample quantitation limits specified in the RFI Work Plan, and all samples were analyzed within EPA-specified sample holding times. Groundwater sample analytical results are summarized on Table 2, and copies of the analytical laboratory reports are provided in Appendix I.

8.3.2 Background Groundwater Samples

Background groundwater samples were previously collected from hydraulically upgradient fill/alluvium monitor wells MW-3 and MW-10 as part of the approved Closure Plan for the East and West Lagoons. Groundwater samples were collected quarterly for one year (April 1999 to April 2000) from these monitor wells to determine background concentrations for metals, which can be naturally occurring in groundwater. The background concentrations for metals included in the East and West Lagoons groundwater monitoring program (arsenic, barium, cadmium, chromium, lead, manganese, mercury, selenium, and silver) were determined using Tolerance Interval statistical procedure given in the EPA document "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities – Interim Final Guidance" (USEPA, 1992). The background concentrations were provided in the July 2000 Annual Groundwater Quality Assessment Report for the East and West Lagoons. The background concentrations were approved in an October 23, 2000 letter from the TNRCC. A copy of the TNRCC October 23, 2000 letter is provided in Appendix N.

Background concentrations for metals analyzed as part of the RFI that were not included in the groundwater monitoring program for the East and West Lagoons (bismuth, cobalt, copper, cyanide, nickel, thallium, tin, vanadium, and zinc) were determined using the groundwater analytical data obtained from monitor wells MW-3 and MW-10 during the RFI. The RFI monthly groundwater sampling events from these monitor wells were conducted during June, July, and August 2000. The background concentrations were calculated using the Tolerance Interval statistical procedure. Background concentrations for metals in groundwater at the site are provided in Table 2.

Beaumont Formation monitor well MW-7, located at the south-central end of the site, was referred to as an upgradient monitor well in the September 1993 report submitted to the TNRCC entitled "RCRA Facility Investigation Report for Solid Waste Management Units at Encycle/Texas, Inc., Corpus Christi, Texas." However, as shown on Figures 12, 13, and 14, water level elevations at monitor well MW-7 are lower than water level elevations of monitor wells MW-13, MW-14, and MW-16, which are located adjacent to SWMUs north of monitor well MW-7. Therefore, because monitor well MW-7 is located hydraulically sidegradient or downgradient of several SWMUs at the Encycle facility, groundwater analytical data from monitor well MW-7 was not used as part of the background data set.

8.3.3 Total Dissolved Solids

As detailed in the July 2000 Annual Groundwater Quality Assessment Report for the East and West Lagoons, shallow groundwater in the fill/alluvium is saline (total dissolved solids (TDS) greater than 10,000 mg/L). The TNRCC agreed in an October 23,2000 letter (Appendix N) that the shallow groundwater associated with the fill material is naturally saline.

As shown on Table 2, TDS concentrations in groundwater samples from Beaumont Formation monitor well MW-7 range from 6,646 to 8,540 mg/L, indicating the shallow groundwater at that location is moderately saline. Based on water level data from Encycle monitor wells completed in the Beaumont Formation (MW-7, MW-11 through MW-21), and based on water level data from the adjacent LPST site (LPST ID No. 94543), shallow groundwater in the Beaumont Formation flows in a northerly to northwesterly direction and discharges into the fill/alluvium, which contains saline water. Therefore, the shallow groundwater discharging from the Encycle facility is saline and is not a potential drinking water source.

8.3.4 Metals Concentrations In Groundwater

As shown on Table 2, metals concentrations in the groundwater at the site were generally low to non-detectable. The concentrations of one or more metals in some, but not all, of the groundwater samples from fill/alluvium monitor wells MW-2, MW-4, MW-5, MW-6, MW-8 and MW-9 exceeded the background concentrations in hydraulically upgradient fill/alluvium monitor wells MW-3 and MW-10. Groundwater samples from fill/alluvium monitor well MW-5, located hydraulically downgradient of the 01 Landfill, generally showed the highest metal concentrations. The cadmium concentrations in groundwater samples from monitor well MW-5 ranged from 0.006 to 0.1 mg/L, manganese concentrations ranged from 12 to 20 mg/L, and the zinc concentrations ranged from less than 0.01 to 10 mg/L. Copper, nickel, silver, and thallium concentrations in some of the groundwater samples from monitor well MW-5 also slightly exceeded background concentrations. Isopleth maps showing cadmium, manganese, and zinc concentrations in the shallow groundwater at the site are presented on Figures 31, 32 and 33 respectively.

The concentrations of one or more metals in some, but not all, of the groundwater samples from Beaumont Formation monitor wells MW-7, MW-11, MW-12, MW-13, and MW-18 exceeded the background concentrations in hydraulically upgradient fill/alluvium monitor wells MW-3 and MW-10. Groundwater samples from Beaumont

Formation monitor well MW-11, located hydraulically downgradient of the boneyard, generally showed the highest metal concentrations relative to the other Beaumont Formation monitor wells. The concentrations of bismuth, copper, manganese, and nickel in some, but not all, of the groundwater samples from monitor well MW-11 slightly exceeded background concentrations. No metals in any of the groundwater samples from Beaumont Formation monitor wells MW-14, MW-15, MW-16, MW-17, MW-19, MW-20, or MW-21 exceeded background levels. The low to nondetectable concentrations of metals in the Beaumont Formation groundwater at the site is consistent with RFI soil analytical data that showed metal concentrations in soil generally were highest at the surface and declined with depth.

8.3.5 Cyanide Concentrations In Groundwater

As shown on Table 2, cyanide was not detected in any of the groundwater samples from the fill/alluvium monitor wells. Low levels of cyanide (0.039 to 0.23 mg/L) were detected in some, but not all, of the groundwater samples from Beaumont Formation monitor wells MW-11, MW-13, and MW-15. Cyanide concentrations in the most recently collected (February 2002) groundwater samples from monitor wells MW-11, MW-13, and MW-15 were nondetectable (less than 0.004 mg/L). The cyanide concentrations detected in the groundwater samples are significantly below the RRS2 adjusted groundwater MSC of 20 mg/L cyanide.

In summary, analytical data show that groundwater at the site has not been significantly affected by metals or cyanide. All constituent concentrations in the groundwater were significantly below the RRS2 adjusted groundwater MSCs.

9. Interim Corrective Measures

9.1 Identification of Potential Receptors

The potential for exposure to constituents of concern (COCs) currently or previously managed at the site is evaluated by estimating the way an individual or population may come into contact with the COCs. An exposure pathway is defined by four elements: (1) a source or mechanism of constituent release to the environment; (2) an environmental transport medium for the released constituent; (3) a point of potential contact by the receptor with the affected medium (the exposure point); and (4) an exposure route to the receptor at the exposure point. All four elements must exist in order for the pathway to be considered complete.

Based on the data obtained during the RFI, potential receptors that could potentially be exposed to the constituents of concern currently or previously managed at the site include the following:

- On-site worker exposure to surface and subsurface soils via direct contact, incidental ingestion, or inhalation of dust.
- On-site worker exposure to groundwater via dermal contact.
- Recreational exposure to surface water (Corpus Christi Ship Channel) via ingestion and dermal contact while swimming or fishing. This exposure pathway analysis in the BLRA will also evaluate existing ordinances/controls that restrict usage of the Corpus Christi Ship Channel.
- Ecological exposures. Ecological exposures will be evaluated as part of the BLRA using the Tier 1 Exclusion Criteria Checklist as specified in the TNRCC document "Guidance for Conducting Ecological Risk Assessments at Remediation Sites in Texas (RG-263, revised December 2001)."

Groundwater ingestion is not considered a complete exposure pathway at the site because (1) the groundwater is not of useable quality (high TDS concentration), (2) no water wells are located within a ½-mile radius of the site, and (3) water for the site and surrounding area is provided by the City of Corpus Christi municipal water supply. Therefore, the groundwater ingestion pathway will not be evaluated during the BLRA (discussed below in Section 11).

9.2 Implementation of Interim Corrective Measures

As detailed in the RFI Work Plan, several interim corrective measures have previously been conducted at the Encycle facility, including (1) soil excavation in the Railroad Tracks area and the Feed Tank 2 area as part of the November 6, 1992 Administrative Order; (2) repair of the 01 Landfill clay cap in 1998; and (3) mapping, cleaning, and repair of the Storm Sewer System piping in 2000 and 2001as part of the approved Closure Plan for the East and West Lagoons. Additional activities associated with closure of the East and West Lagoons (removal of sediment and affected soils exceeding target levels, repair of the lagoon concrete perimeter walls, repair of the West Lagoon HDPE liner, etc.) will be conducted during 2003 as detailed in Quarterly Progress Report No. 8 dated April 18, 2002.

In addition to the previously conducted interim corrective measures discussed above, interim corrective measures were conducted in the Boneyard during 2000 and 2001. Following receipt of the Boneyard soil and debris pile RFI analytical data in 2000, the soil and debris piles were covered with a 20-millimeter HDPE liner. The purpose of the HDPE liner was to prevent potential storm water or airborne migration of constituents from the Boneyard soil and debris piles. Following re-sampling of the Boneyard wooden railroad ties in 2001 and following landfill operator approval, the Boneyard soil piles (approximately 660 cubic yards of soil with concrete fragments) were disposed of at the Texas Ecologists Class I hazardous waste landfill in Robstown, Texas during November 2001. Copies of the manifests are provided in Appendix D. The Boneyard wooden railroad ties, which contain TCLP metals concentrations below characteristically hazardous levels, remain on-site.

10. Summary and Conclusions

Twenty-one SWMUs were investigated during the RFI, including 20 on-site SWMUs and the Grain Elevator, which is a 54-acre tract located directly west of the Encycle facility. A total of 173 soil borings were advanced at the SWMUs during the RFI, and soil samples were collected for laboratory analysis from the surface to the top of the saturated zone. At least one COC in surface (0-6") soil at each SWMU exceeded background levels. COC concentrations in soil generally decreased with depth and with distance away from each SWMU. COC concentrations in soil at the saturated zone were generally low, particularly in the topographically higher southern half of the site, which includes the main plant process area where most of the SWMUs are located. COC concentrations in soil at three SWMUs (Reactor Clarifier, Building North of Facility 2, Road Leading West of Building C) declined to background levels above the saturated zone. At the other 18 SWMUs, at least one COC in soil exceeded background levels at the saturated zone.

The highest COC concentrations in surface soils are located in the Railroad Tracks Area near the center of the Encycle facility, directly south of Product Storage Building C. Total cadmium concentrations in surface soil samples along the railroad tracks south of Product Storage Building C range from 2,046 to 3,911 mg/kg, and total lead concentrations in surface soil samples range from 20,870 to 65,760 mg/kg. Constituent concentrations in the Railroad Tracks Area decline with depth, and no COCs in soil in the Railroad Tracks Area exceed the RRS2 adjusted GWP-Ind below a depth of 5.5 feet.

Several soil samples with elevated total metal concentrations were analyzed for leachable metal concentrations using the SPLP. SPLP metal concentrations were generally low. With the exception of cadmium in several soil samples, SPLP metal concentrations did not exceed the RRS2 adjusted groundwater protection standards. The SPLP data indicate the metals at the site have a relatively low mobility in soils.

Contingent "step-out" soil borings were installed during the RFI to delineate the lateral extent of COCs in soil. The "step-out" soil borings were installed at the east and west ends of the Encycle facility, and at the Grain Elevator west of the Encycle facility. The analytical data from the "step-out" soil borings show that the lateral extent of COCs in soil have been adequately delineated, except in the area west of the West Lagoon. Collection of additional soil samples west of the West Lagoon is recommended below in Section 11.

RFI analytical data also showed COC concentrations in the above-ground soil piles in the Boneyard were elevated. The Boneyard soil piles (approximately 660 cubic yards) were disposed of at a Class I Hazardous Waste Landfill during November 2001 as an interim corrective measure.

Eleven additional monitor wells were installed during the RFI. Water level data from the 9 existing and 11 newly installed monitor wells show shallow groundwater flow is in a general northerly to northwesterly direction toward the Corpus Christi Ship Channel. The topographically higher southern half of the site is located on the Beaumont Formation, and shallow groundwater in the Beaumont Formation is moderately saline. The topographically lower northern half of the site is located on fill and spoil materials and alluvium, and shallow groundwater in the fill/alluvium is saline.

Analytical data from the existing and newly installed monitor wells show that COC concentrations in the groundwater at the site were generally low to non-detectable. The concentrations of one or more metals in some, but not all, of the groundwater samples from fill/alluvium monitor wells MW-2, MW-4, MW-5, MW-6, MW-8 and MW-9, and Beaumont Formation monitor wells MW-7, MW-11, MW-12, MW-13, and MW-18 slightly exceeded the background concentrations. Groundwater samples from fill/alluvium monitor well MW-5, located hydraulically downgradient of the 01 Landfill, generally showed the highest metal concentrations. The cadmium concentrations in groundwater samples from monitor well MW-5 ranged from 0.006 to 0.1 mg/L, manganese concentrations ranged from 12 to 20 mg/L, and the zinc

concentrations ranged from less than 0.01 to 10 mg/L. All constituent concentrations in the groundwater were significantly below the RRS2 adjusted groundwater MSCs.

The groundwater analytical data collected during the RFI is consistent with soil analytical data that showed metal concentrations in soil generally were highest at the surface and decreased with depth. SPLP data showed the mobility of metals in soil at the site is relatively low.

11. Recommendations

The RFI analytical data showed total cadmium, lead, mercury, and selenium concentrations in surface (0-6") soil samples west of the West Lagoon generally increased with distance away from (west of) the West Lagoon. Therefore, eight additional surface soil samples will be collected west of the West Lagoon to determine the source, extent, and concentration of these constituents. Proposed soil sample locations are shown on Figure 34. The soil samples will be collected using a stainless steel hand auger, and analyzed for total cadmium, lead, mercury, and selenium using the procedures specified in the approved RFI Work Plan. The soil samples will be collected within 30 days following TNRCC approval to proceed, and soil sample analytical results will be provided to the TNRCC within 60 days following approval to proceed. The soil sample analytical data also will be evaluated as part of the BLRA.

As specified in Section VII.B., Paragraph 48 of the Consent Decree, following TNRCC approval of this RFI Report, a BLRA will be prepared for the Encycle facility. The BLRA will identify and evaluate risk for all potential receptors, and if necessary, identify and evaluate corrective measure alternatives and recommend appropriate corrective measure(s) to protect human health and the environment. The BLRA will be prepared in accordance with the TNRCC Risk Reduction Rules given in 30 TAC Chapter 335.551-335.569. The BLRA will be based on site-specific data, standard default exposure assumptions, and toxicity values used by the U.S. Environmental Protection Agency and the TNRCC. The BLRA will include (1) site characterization, (2) development of constituents of potential concern (COPCs) to be used in subsequent risk calculations, (3) a toxicity assessment to evaluate systemic toxicant (non-carcinogenic) and carcinogenic effects of the COPCs, (4) an exposure assessment to identify potentially complete exposure pathways, and (5) characterization of potential risks, including the development of preliminary remediation goals (PRGs) if unacceptable regulatory risks are identified. The BLRA will be submitted to the TNRCC within 90 days following TNRCC approval to proceed.

The Consent Decree states in Part VII.B., paragraph 48 that "*Upon approval of the RFI Report, if the TNRCC, in consultation with EPA, determines that there has been a Release of Hazardous Waste or Hazardous Constituents (listed in 40 CFR Part 261, Appendix VIII and/or 40 CFR Part 264 Appendix IX) into the environment, then Settlors shall propose a remedy, if necessary, in accordance with the TNRCC risk reduction rules or as otherwise specified by the TNRCC. This will require a BLRA and/or CMS Report to be submitted for review and approval 120 days after final approval of the RFI reports or within the time frame(s) specified by the TNRCC, in consultation with the EPA.*" Completion of the BLRA is recommended prior to preparation of the CMS to allow evaluation and selection of the most appropriate remedial approach for the affected media, based on cleanup levels established in the BLRA. Therefore, pending TNRCC approval, the CMS will be submitted to the TNRCC within 90 days following TNRCC approval of the BLRA.

12. References

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TABLES

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
Background Soil Borings																							
B-1	11/23/92	0-0.5	---	1.9	11.6	170	---	44.1	14.7	6.4	72	---	211	561	0.22	13.4	0.97	2.3	0.11	<12	11	354.1	---
		2-2.5	---	---	3.89	---	---	3.4	---	---	11.1	---	35	247.1	---	20.5	---	---	---	---	---	45	---
		7-8	---	---	17.24	---	---	3.1	---	---	9.6	---	29	242.8	---	19.8	---	---	---	---	---	44.7	---
		11-12	---	---	6.15	---	---	2	---	---	5.5	---	15	234.9	---	8.2	---	---	---	---	---	24	---
B-2	11/23/92	0-0.5	---	1.09	12.19	40	---	66.1	12.6	3.8	74.6	---	278	378.2	0.24	7.5	1.58	1.3	0.05	6	25	354.4	---
		2-2.5	---	---	4.8	---	---	1.3	---	---	12.1	---	18	187.5	---	11.4	---	---	---	---	---	35.7	---
		7-8	---	---	4.51	---	---	2.4	---	---	8.6	---	23	379.9	---	14.5	---	---	---	---	---	37.3	---
		11-12	---	---	4.86	---	---	1.5	---	---	10.1	---	18	322	---	13.4	---	---	---	---	---	40.8	---
B2-R*	09/24/94	0-0.5	---	---	<5	---	---	45	---	---	38	---	94	198	---	11	---	---	---	---	---	1,490	---
B-3	11/24/92	0-0.5	---	0.98	11.21	190	---	6.5	13.2	6.9	27.1	---	87	390.1	0.01	14.9	0.8	0.8	0.05	6	15	342.9	---
		2-2.5	---	---	3.13	---	---	1.5	---	---	8.8	---	16	253.5	---	6.6	---	---	---	---	---	29.2	---
		7-8	---	---	5.86	---	---	1.5	---	---	9	---	24	405.2	---	13.8	---	---	---	---	---	64.5	---
		10-11	---	---	3.54	---	---	1.3	---	---	3.3	---	7	279.5	---	6.2	---	---	---	---	---	17	---
B-4	11/24/92	0-0.5	---	1.08	35.54	240	---	25.7	18	6.8	110	---	866	689.3	0.48	13.7	1.49	3.9	0.28	98	19	355.6	---
		2-2.5	---	---	4.88	---	---	2	---	---	10.4	---	39	273.7	---	15.2	---	---	---	---	---	59.6	---
		7-8	---	---	8.49	---	---	3.1	---	---	9.2	---	17	267.7	---	14.5	---	---	---	---	---	65.6	---
		10-11	---	---	5.26	---	---	1.9	---	---	6.3	---	10	233.5	---	10.2	---	---	---	---	---	22.8	---
B4-R*	09/24/94	0-0.5	---	---	<5	---	---	34	---	---	111	---	274	470	---	9	---	---	---	---	---	6,690	---
B-5	11/25/92	0-0.5	---	2.45	21.77	160	---	39.3	17.8	5.6	99.2	---	391	613.5	0.87	16.9	4.45	5.5	0.05	19	9	357.1	---
		2-2.5	---	---	4.39	---	---	1.6	---	---	4.6	---	12	161.9	---	4.9	---	---	---	---	---	16.3	---
		7-8	---	---	5.22	---	---	0.26	---	---	3.7	---	16	177.6	---	8.1	---	---	---	---	---	38.2	---
		13-14	---	---	3.14	---	---	2.4	---	---	2.3	---	9	33.3	---	2.1	---	---	---	---	---	122.4	---
B5-R*	09/24/94	0-0.5	---	---	<5	---	---	<5	---	---	10	---	19	158	---	<5	---	---	---	---	---	623	---
B-6	11/25/92	0-0.5	---	1.6	3.48	260	---	6.3	13.6	5.1	12.9	---	54	193.4	0.01	20.8	1.89	4.7	0.23	6	20	228.5	---
		2-2.5	---	---	5.41	---	---	1	---	---	6.7	---	10	153.6	---	8.9	---	---	---	---	---	20.1	---
		9-10	---	---	3.31	---	---	1.8	---	---	3.9	---	9	183.2	---	3	---	---	---	---	---	12.6	---
B-7	11/25/92	0-0.5	---	0.78	8.61	100	---	3.8	10.8	3.9	19	---	75	220.4	0.06	8.3	0.63 I	0.7	0.18	6	11	286.2	---
		2-2.5	---	---	1.66	---	---	0.49	---	---	5.9	---	19	177.5	---	9	---	---	---	---	---	26.9	---
		5-6	---	---	2.68	---	---	2	---	---	4.6	---	15	138.2	---	4.4	---	---	---	---	---	8.4	---
B-8	11/25/92	0-0.5	---	0.15	10.59	120	---	2.9	11.6	4.1	13.9	---	47	222.5	0.12	12.9	1.17	1.6	0.15	6	14	191.3	---
		2-2.5	---	---	2.4	---	---	0.5	---	---	5.5	---	16	144.8	---	13	---	---	---	---	---	14.2	---
		12-13	---	---	1.84	---	---	1.3	---	---	1.9	---	20	88.8	---	5.1	---	---	---	---	---	6.1	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
RS-5	7/22/96	0-0.5	u	0.62	6.4	96.4	---	8.3	5.1	5.3	36	<0.25	10.1	236	<0.1	2.6	<0.5	0.49	1.1	5.1	4.4	2,280	---
RS-6	7/22/96	0-0.5	u	0.67	4.8	76.6	---	4.6	4.7	3.1	20.4	<0.25	66.8	286	<0.1	2.3	0.54	0.33	<1	4	3.7	1,480	---
RS-9	7/22/96	0-0.5	u	<0.5	11.9	86.2	---	5.8	2.9	2.6	14	<0.25	43.6	200	<0.1	2.7	0.73	<0.2	<1	3	4.6	1,820	---
RS-10	7/22/96	0-0.5	u	<0.5	8.4	100	---	1.5	3.7	3.6	13.5	<0.25	31.8	174	<0.1	3.9	<0.5	<0.2	<1	2.2	5.2	270	---
RS-11	7/22/96	0-0.5	u	<0.5	5.1	122	---	1.5	5	6.3	17	<0.25	39.6	185	<0.1	4.4	<0.5	0.23	<1	3.4	7	296	---
RS-12	7/22/96	0-0.5	u	<0.5	2.4	90	---	0.58	1.8	2.4	11.6	<0.25	12	137	<0.1	4.2	0.51	<0.2	<1	<2	4.7	58.1	---
B-174	01/15/01	2.5-3.5	u	<0.8	---	245	---	---	7.8	---	---	---	---	---	---	---	---	<0.5	<1	---	17	---	---
		6-7	u	<0.8	---	87	---	---	11	---	---	---	---	---	---	---	---	<0.5	<1	---	7.7	---	---
B-175	01/15/01	3-4	u	<0.8	---	132	---	---	7.5	---	---	---	---	---	---	---	---	<0.5	<1	---	16	---	---
		6-7	u	<0.8	---	134	---	---	6.4	---	---	---	---	---	---	---	---	<0.5	<1	---	9.3	---	---
B-176	01/15/01	2.5-3.5	u	<0.8	---	307	---	---	10	---	---	---	---	---	---	---	---	<0.5	<1	---	16	---	---
		5-6	u	<0.8	---	81	---	---	17	---	---	---	---	---	---	---	---	<0.5	<1	---	9.9	---	---
B-177	01/15/01	2.5-3.5	u	<0.8	---	639	---	---	9.4	---	---	---	---	---	---	---	---	<0.5	<1	---	25	---	---
		5-6	u	<0.8	---	57	---	---	14	---	---	---	---	---	---	---	---	<0.5	<1	---	12	---	---
B-178	01/15/01	2.5-3.5	u	<0.8	---	241	---	---	11	---	---	---	---	---	---	---	---	<0.5	<1	---	28	---	---
		5-6	u	<0.8	---	45	---	---	19	---	---	---	---	---	---	---	---	<0.5	<1	---	7.4	---	---
B-179	01/15/01	2.5-3.5	u	<0.8	---	504	---	---	9.5	---	---	---	---	---	---	---	---	<0.5	<1	---	16	---	---
		7-8	u	<0.8	---	43	---	---	22	---	---	---	---	---	---	---	---	<0.5	<1	---	7.4	---	---
Soil Borings																							
B-30	06/09/93	0-0.5	(u)	---	5.7	---	---	**44**	---	---	**183**	---	**331**	**757**	---	16	---	---	---	---	---	2128	7.9
(01 Landfill - East Side)		2-2.5	(u)	---	**8.1**	---	---	**47**	---	---	**120**	---	**431**	**698**	---	6.1	---	---	---	---	---	2287	7.9
		5.5-6	(u)	---	11	---	---	**22**	---	---	**77**	---	**220**	561	---	6.1	---	---	---	---	---	1550	8.1
		6.5-7	(s)	---	**25**	---	---	**42**	---	---	**137**	---	**276**	521	---	6.6	---	---	---	---	---	1864	8.2
B-31	06/09/93	0-0.5	(u)	---	7.6	---	---	**23**	---	---	**111**	---	**213**	**1023**	---	14	---	---	---	---	---	1392	8.1
(01 Landfill - East Side)		2-2.5	(u)	---	**12**	---	---	**15**	---	---	**185**	---	**261**	**665**	---	<5.0	---	---	---	---	---	1357	7.9
		4.5-5	(s)	---	6.4	---	---	**24**	---	---	**59**	---	**319**	**2450**	---	<5.0	---	---	---	---	---	24245	7.6

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-32	06/09/93	0-0.5	(u)	---	<5.0	---	---	83	---	---	94	---	60	9305	---	29	---	---	---	---	---	14990	7.5
(01 Landfill - East Side)		2-2.5	(u)	---	<5.0	---	---	24	---	---	55	---	72	1336	---	6.1	---	---	---	---	---	3452	8.3
		5.5-6	(u)	---	5.1	---	---	6	---	---	19	---	22	303	---	15	---	---	---	---	---	422	8.7
		6-6.5	(s)	---	<5.0	---	---	4.1	---	---	15	---	13	380	---	6.1	---	---	---	---	---	598	8.5
B-9	05/18/93	0-0.5	(u)	---	8.4	---	---	<2.5	---	---	9.8	---	9.3	180	---	6	---	---	---	---	---	48	---
(01 Landfill - North Side		2-2.5	(u)	---	9.9	---	---	<2.5	---	---	11	---	12	213	---	7.6	---	---	---	---	---	262	---
		5-5.5	(u)	---	<5.0	---	---	8.7	---	---	1199	---	14	869	---	28	---	---	---	---	---	4802	---
		6.5-7	(s)	---	<5.0	---	---	52	---	---	841	---	14	1689	---	6.6	---	---	---	---	---	4070	---
B-10	05/18/93	0-0.5	(u)	---	8.1	---	---	<2.5	---	---	15	---	6.8	126	---	<5.0	---	---	---	---	---	29	---
(01 Landfill - North Side		2-2.5	(u)	---	<5.0	---	---	<2.5	---	---	11	---	15	295	---	7.3	---	---	---	---	---	25	---
		6-6.5	(s)	---	<5.0	---	---	93	---	---	22	---	18	456	---	<5.0	---	---	---	---	---	2116	---
																							---
B-11	05/18/93	0-0.5	(u)	---	<5.0	---	---	<2.5	---	---	11	---	9.3	168	---	<5.0	---	---	---	---	---	36	7.9
(01 Landfill - North Side		2-2.5	(u)	---	7.9	---	---	<2.5	---	---	9.5	---	19	284	---	7.3	---	---	---	---	---	33	8
		5.5-6	(u)	---	7.7	---	---	8.1	---	---	14	---	14	384	---	5.5	---	---	---	---	---	298	---
		8-8.5	(s)	---	30	---	---	9.7	---	---	304	---	936	5455	---	<5.0	---	---	---	---	---	962	---
B-12	05/18/93	0-0.5	(u)	---	14	---	---	20	---	---	42	---	101	476	---	7	---	---	---	---	---	1758	---
(01 Landfill - North Side		2-2.5	(u)	---	42	---	---	40	---	---	454	---	394	806	---	14	---	---	---	---	---	3922	---
		5-5.5	(s)	---	36	---	---	60	---	---	280	---	477	2087	---	14	---	---	---	---	---	9195	---
B-13	05/18/93	0-0.5	(u)	---	24	---	---	39	---	---	168	---	200	909	---	9.6	---	---	---	---	---	4486	---
(West Lagoon)		2-2.5	(u)	---	28	---	---	26	---	---	202	---	267	635	---	6.8	---	---	---	---	---	3190	---
		5.5-6	(u)	---	<5.0	---	---	<2.5	---	---	14	---	13	310	---	9.2	---	---	---	---	---	167	---
		6-6.5	(s)	---	<5.0	---	---	4.5	---	---	37	---	24	135	---	13	---	---	---	---	---	450	---
B-14	05/09/93	0-0.5	(u)	---	26	---	---	65	---	---	266	---	740	530	---	30	---	---	---	---	---	4736	8.3
(West Lagoon)		2.0-2.5	(u)	---	24	---	---	4.7	---	---	115	---	45	642	---	11	---	---	---	---	---	532	7.8
		4.5-5	(s)	---	7.7	---	---	16	---	---	30	---	68	447	---	7.2	---	---	---	---	---	1198	---
B-15	05/09/93	0-0.5	(u)	---	31	---	---	77	---	---	246	---	359	373	---	7.4	---	---	---	---	---	7720	---
(West Lagoon)		2-2.5	(u)	---	58	---	---	13	---	---	740	---	148	441	---	17	---	---	---	---	---	1180	---
		6-6.5	(s)	---	5.3	---	---	<2.5	---	---	13	---	15	66	---	<5	---	---	---	---	---	147	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-16	05/19/93	0-0.5	(u)	---	25	---	---	48	---	---	154	---	273	452	---	7	---	---	---	---	---	3008	---
(West Lagoon)		2-2.5	(u)	---	14	---	---	10	---	---	87	---	94	332	---	9.3	---	---	---	---	---	1139	---
		4-4.5	(s)	---	<5	---	---	14	---	---	84	---	74	98	---	8.5	---	---	---	---	---	1184	---
B-17	05/19/93	0-0.5	(u)	---	21	---	---	31	---	---	131	---	235	470	---	8.4	---	---	---	---	---	3196	8
(West Lagoon)		2-2.5	(u)	---	13	---	---	15	---	---	260	---	66	464	---	13	---	---	---	---	---	974	7.8
		4-4.5	(s)	---	7.6	---	---	7.7	---	---	74	---	58	174	---	<5	---	---	---	---	---	1429	---
B-24	06/08/93	0-0.5	(u)	---	<5	---	---	3.1	---	---	18	---	17	207	---	7.5	---	---	---	---	---	113	7.8
(East Lagoon)		2.0-2.5	(u)	---	<5	---	---	<2.5	---	---	11	---	16	401	---	11	---	---	---	---	---	430	7.9
		4-4.5	(s)	---	<5	---	---	<2.5	---	---	13	---	16	57	---	5.2	---	---	---	---	---	183	8.1
B-25	06/08/93	0-0.5	(u)	---	30	---	---	163	---	---	276	---	734	469	---	15	---	---	---	---	---	7380	7.6
(East Lagoon)		2-2.5	(u)	---	<5	---	---	4.4	---	---	16	---	26	536	---	11	---	---	---	---	---	338	8
		2.5-3	(s)	---	<5	---	---	<2.5	---	---	5.8	---	<5	26	---	<5	---	---	---	---	---	44	8.2
B-26	06/08/93	0-0.5	(u)	---	41	---	---	235	---	---	249	---	979	506	---	20	---	---	---	---	---	9265	7.7
(East Lagoon)		1.5-2	(u)	---	13	---	---	21	---	---	106	---	293	427	---	6.9	---	---	---	---	---	4694	8.2
		2-2.5	(s)	---	<5	---	---	<2.5	---	---	15	---	15	154	---	11	---	---	---	---	---	107	8.5
B-27	06/08/93	0-0.5	(u)	---	9.2	---	---	28	---	---	49	---	144	178	---	6.6	---	---	---	---	---	1140	7.9
(East Lagoon)		2-2.5	(u)	---	<5	---	---	<2.5	---	---	11	---	15	324	---	11	---	---	---	---	---	137	8.1
		3.5-4	(s)	---	<5	---	---	<2.5	---	---	7.4	---	8.4	62	---	5.1	---	---	---	---	---	56	8.4
B-28	06/08/93	0-0.5	(u)	---	15	---	---	42	---	---	67	---	367	267	---	6.6	---	---	---	---	---	2352	7.8
(East Lagoon)		2-2.5	(u)	---	<5	---	---	3.4	---	---	29	---	93	331	---	10	---	---	---	---	---	658	8
		2.5-3	(s)	---	<5	---	---	<2.5	---	---	5.6	---	<5	39	---	5.4	---	---	---	---	---	36	8.2
B-29	06/08/93	0-0.5	(u)	---	20	---	---	83	---	---	153	---	603	346	---	21	---	---	---	---	---	4033	7.8
(East Lagoon)		0.5-1	(u)	---	<5	---	---	<2.5	---	---	14	---	23	342	---	9.7	---	---	---	---	---	169	7.9
		1-1.5	(s)	---	<5	---	---	<2.5	---	---	6.4	---	5.7	40	---	<5	---	---	---	---	---	109	8.1
B-18	05/20/93	0-0.5	(u)	---	16	---	---	57	---	---	29	---	45	341	---	11	---	---	---	---	---	2798	---
(Waste Pile)		2-2.5	(u)	---	12	---	---	2.6	---	---	8.7	---	11	259	---	9.7	---	---	---	---	---	163	---
		5.5-6	(u)	---	11	---	---	<2.5	---	---	8	---	8.4	374	---	9.1	---	---	---	---	---	58	---
		9-9.5	(u)	---	11	---	---	<2.5	---	---	13	---	11	359	---	12	---	---	---	---	---	67	---
		12.5-13	(u)	---	9.1	---	---	<2.5	---	---	8.6	---	11	476	---	8.8	---	---	---	---	---	51	---
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	15	---	11	485	---	12	---	---	---	---	---	63	---
		20-20.5	(u)	---	15	---	---	<2.5	---	---	13	---	12	246	---	13	---	---	---	---	---	60	---
		21.5-22	(s)	---	9.2	---	---	<2.5	---	---	<5	---	6	138	---	<5	---	---	---	---	---	31	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-19	05/20/93	0-0.5	(u)	---	16	---	---	**41**	---	---	20	---	53	316	---	8.6	---	---	---	---	---	2367	7.6
(Waste Pile)		2-2.5	(u)	---	**12**	---	---	<2.5	---	---	8.5	---	8.6	343	---	10	---	---	---	---	---	68	---
		5.5-6	(u)	---	7.5	---	---	<2.5	---	---	8.7	---	10	290	---	12	---	---	---	---	---	56	---
		9-9.5	(u)	---	10	---	---	<2.5	---	---	6.6	---	11	365	---	11	---	---	---	---	---	53	8.4
		12.5-13	(u)	---	12	---	---	<2.5	---	---	7.8	---	7.9	430	---	12	---	---	---	---	---	50	---
		16-16.5	(u)	---	19	---	---	<2.5	---	---	11	---	12	229	---	13	---	---	---	---	---	95	---
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	12	---	9.5	247	---	11	---	---	---	---	---	58	---
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	6.5	140	---	5.7	---	---	---	---	---	44	---
B-20	05/20/93	0-0.5	(u)	---	**30**	---	---	**226**	---	---	**84**	---	**298**	**636**	---	12	---	---	---	---	---	10340	---
(Waste Pile)		2-2.5	(u)	---	7.4	---	---	<2.5	---	---	14	---	13	302	---	12	---	---	---	---	---	94	---
		5.5-6	(u)	---	10	---	---	<2.5	---	---	7.7	---	10	349	---	10	---	---	---	---	---	75	---
		9-9.5	(u)	---	<5	---	---	<2.5	---	---	8.1	---	7.8	198	---	11	---	---	---	---	---	58	---
		12.5-13	(u)	---	14	---	---	<2.5	---	---	8.4	---	9	464	---	12	---	---	---	---	---	56	---
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	13	---	12	**617**	---	14	---	---	---	---	---	123	---
		19-19.5	(u)	---	13	---	---	<2.5	---	---	12	---	11	195	---	12	---	---	---	---	---	32	---
		22-22.5	(s)	---	6	---	---	<2.5	---	---	<5	---	<5	138	---	<5	---	---	---	---	---	22	---
B-21	05/20/93	0-0.5	(u)	---	**115**	---	---	**1113**	---	---	**374**	---	**1504**	**1678**	---	16	---	---	---	---	---	71000	7.7
(Waste Pile)		2-2.5	(u)	---	**8.8**	---	---	**30**	---	---	**19**	---	**68**	276	---	9.7	---	---	---	---	---	1152	---
		5.5-6	(u)	---	12	---	---	<2.5	---	---	9.2	---	12	284	---	8.5	---	---	---	---	---	79	---
		9-9.5	(u)	---	13	---	---	<2.5	---	---	12	---	8.6	307	---	10	---	---	---	---	---	69	8.3
		12.5-13	(u)	---	<5	---	---	<2.5	---	---	11	---	11	169	---	10	---	---	---	---	---	78	---
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	12	---	16	476	---	14	---	---	---	---	---	93	---
		19.5-20	(u)	---	8.3	---	---	<2.5	---	---	10	---	9.1	186	---	12	---	---	---	---	---	55	---
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	5.3	126	---	5.3	---	---	---	---	---	29	---
B-22	05/21/93	0-0.5	(u)	---	8.5	---	---	7	---	---	13	---	22	**463**	---	11	---	---	---	---	---	1596	7.7
(Waste Pile)		2-2.5	(u)	---	**39**	---	---	**203**	---	---	**117**	---	**439**	**586**	---	11	---	---	---	---	---	21600	---
		5.5-6	(u)	---	<5	---	---	3.3	---	---	8.5	---	14	317	---	9.9	---	---	---	---	---	342	---
		9-9.5	(u)	---	7.6	---	---	<2.5	---	---	5.5	---	7.4	245	---	7.9	---	---	---	---	---	52	8.5
		12.5-13	(u)	---	10	---	---	<2.5	---	---	10	---	11	411	---	12	---	---	---	---	---	61	---
		16-16.5	(u)	---	13	---	---	<2.5	---	---	11	---	10	**1331**	---	17	---	---	---	---	---	66	---
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	7.2	---	7.1	153	---	6.3	---	---	---	---	---	29	---
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	5.9	151	---	5	---	---	---	---	---	35	---
B-23	05/21/93	0-0.5	(u)	---	7.4	---	---	**13**	---	---	22	---	45	238	---	9.8	---	---	---	---	---	701	---
(Waste Pile)		2-2.5	(u)	---	7.5	---	---	<2.5	---	---	8.2	---	7.1	277	---	9.8	---	---	---	---	---	43	---
		5.5-6	(u)	---	<5	---	---	<2.5	---	---	6.3	---	8.6	285	---	8.8	---	---	---	---	---	41	---
		9-9.5	(u)	---	16	---	---	<2.5	---	---	9	---	**53**	319	---	13	---	---	---	---	---	54	---
		12.5-13	(u)	---	9.1	---	---	<2.5	---	---	9	---	11	361	---	12	---	---	---	---	---	52	---
		16-16.5	(u)	---	6.9	---	---	<2.5	---	---	10	---	10	**862**	---	15	---	---	---	---	---	68	---
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	9.6	---	9.9	186	---	11	---	---	---	---	---	57	---
		23-23.5	(s)	---	<5	---	---	<2.5	---	---	6.1	---	7.3	167	---	7.3	---	---	---	---	---	44	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-33	06/26/00	0-0.5	(u)	2	6	228	<4	166	19	22	10	<0.04	22	1440	<0.05	16	<0.8	1	<1	<5	25	18820	---
	Duplicate 29	0-0.5	(u)	6	19	441	7	263	15	14	77	<0.04	201	1934	<0.05	13	<0.8	3	<1	<5	18	47720	---
		2-2.5	(u)	3	<5	755	<4	2	11	<5	7	---	9	531	---	---	---	<0.5	---	---	29	304	---
	Duplicate 30	2-2.5	(u)	<0.8	<5	701	<4	3	12	6	7	<0.04	9	573	<0.05	9	<0.8	<0.5	<1	<5	31	581	---
(Building C)		5.5	(u)	3	---	304	---	---	---	---	---	---	---	400	---	---	---	---	---	---	---	389	---
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---
		11.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47	---
		13-14	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---
B-34	06/26/00	0-0.5	(u)	3	<5	249	<4	426	77	28	490	<0.04	16	1490	0.13	40	<0.8	2	<1	<5	13	16750	---
(Building C)		2-2.5	(u)	2	---	292	---	53	14	6	66	---	---	392	---	10	---	<0.5	---	---	---	1690	---
		5.5	(u)	3	---	---	---	8	---	---	25	---	---	481	<0.05	---	---	---	---	---	---	404	---
		8.5	(u)	2	---	---	---	3	---	---	8	---	---	---	---	---	---	---	---	---	---	99	---
		11.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70	---
		14-14.5	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---
B-35	06/13/00	0-0.5	(u)	28	110	665	41	785	235	64	2272	1.2	12260	234	1.5	403	10	31	15	116	23	4283	---
	Duplicate 4	0-0.5	(u)	93	428	418	87	1668	311	272	11060	0.6	42850	276	7.8	1600	24	47	20	317	20	8811	---
		2-2.5	(u)	1	12	---	<4	177	8	9	141	<0.04[a]	272	---	<0.05	12	<0.8	2	<1	<5	---	25570	---
		5.5	(u)	<0.8	7	---	---	17	---	---	13	<0.04[a]	20	---	---	---	---	<0.5	---	---	---	602	---
	Duplicate 50	5.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	---	---
(Road to west		8.5	(u)	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---	487	---
of building C)		11.5	(u)	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	61	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57	---
		16.5-17	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97	---
B-36	06/13/00	0-0.5	(u)	2	12	170	<4	31	47	6	126	<0.04	160	235	1.7	26	<0.8	5	2	6	19	2490	---
(Road to west		2-2.5	(u)	1	---	---	---	11	7	---	162	---	74	---	0.3	6	---	1	<1	---	---	1370	---
of building C)		5.5	(u)	<0.8	---	---	---	<1	---	---	6	---	7	---	<0.05	---	---	<0.5	---	---	---	53	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	407	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	132	---
		12.5-13	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	86	---
B-37	06/13/00	0-0.5	(u)	11	44	310	4	155	61	16	393	<0.04	985	640	7.2	42	6	14	<1	27	17	18660	---
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.13*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*1.3*	---
(Road to west		2-2.5	(u)	1	6	---	---	13	18	6	35	---	52	330	---	11	<0.8	1	---	<5	---	1700	---
of building C)		5.5	(u)	<0.8	---	---	---	1	10	---	8	---	---	---	<0.05	---	---	<0.5	---	---	---	137	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53	---
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-38	06/13/00	0-0.5	(u)	8	43	222	<4	100	53	12	405	<0.04	1020	939	0.35	32	1	9	<1	19	24	13540	---
	Duplicate 5	0-0.5	(u)	20	77	294	9	369	38	20	887	<0.04	2170	1000	0.92	38	1	23	<1	46	11	34130	---
		2-2.5	(u)	<0.8	<5	---	<4	<1	10	<5	12	---	15	233	---	9	<0.8	<0.5	---	<5	---	57	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	1210	---
(Road to west		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	487	---
of building C)		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---
		17.5-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---
B-39	06/13/00	0-0.5	(u)	3	6	233	<4	3	24	7	28	<0.04	60	371	1.1	16	<0.8	2	1	9	28	1700	---
(Road to west		2-2.5	(u)	<0.8	---	---	---	---	9	---	---	---	---	248	<0.05	---	---	<0.5	---	<5	---	172	---
of building C)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	---
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	114	---
B-40	06/13/00	0-0.5	(u)	96	140	546	5	53	40	21	1050	<0.04	2420	3786	0.26	178	<0.8	11	<1	253	27	29800	---
	Duplicate 6	0-0.5	(u)	7	13	261	<4	14	22	7	132	<0.04	274	309	<0.05	39	<0.8	4	8	22	23	3195	---
		2-2.5	(u)	2	11	---	<4	8	17	10	508	---	267	355	<0.05	69	---	1	2	21	---	867	---
		5.5	(u)	2	12	---	---	5	13	7	164	---	196	---	---	40	---	1	2	17	---	788	---
(Road to west		8.5	(u)	1	---	---	---	1	---	---	54	---	70	---	---	13	---	<0.5	1	9	---	395	---
of building C)		11.5	(u)	<0.8	---	---	---	---	---	---	9	---	11	---	---	---	---	---	---	<5	---	93	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9550	---
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	944	---
B-41	06/19/00	0-0.5	(u)	7	23	245	<4	72	75	9	138	<0.04	425	504	1.4	32	1	6	<1	26	18	8,745	---
	Duplicate 17	0-0.5	(u)	11	36	245	<4	120	73	11	208	<0.04	492	576	0.22	29	<0.8	6	<1	35	30	10,610	---
		2-2.5	(u)	1	<5	---	---	2	18	<5	6	---	12	190	<0.05	10	<0.8	<0.5	---	<5	---	185	---
(reactor clarifier)		5.5	(u)	1	---	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	204	---
		8.5	(u)	2	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---	---	1700	---
		11.5	(u)	2	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	531	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	829	---
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	745	---
B-42	06/19/00	0-0.5	(u)	38	129	341	<4	93	40	11	433	0.07	1,730	933	1.9	21	2	13	<1	156	15	15,580	---
	Duplicate 15	0-0.5	(u)	40	61	149	<4	89	19	<5	181	0.06	921	637	2.7	12	<0.8	12	<1	81	11	9,1[illegible]	---
		2-2.5	(u)	1	6	---	---	<1	16	5	10	---	11	362	<0.05	---	<0.8	<0.5	---	<5	---	66	---
(reactor clarifier)		5.5	(u)	1	---	---	---	---	16	---	---	---	---	302	---	---	---	---	---	---	---	52	---
		8.5	(u)	2	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	106	---
		11.5	(u)	2	---	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	21	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	---
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-43	06/19/00	0-0.5	(u)	<0.8	<5	449	<4	6	**16**	7	**80**	<0.04	97	155	**0.15**	**27**	1	**2**	**2**	5	19	354	---
	Duplicate 16	0-0.5	(u)	<0.8	<5	444	<4	5	**23**	5	**54**	<0.04	32	203	**<0.05**	14	**<0.8**	**1**	**2**	<5	24	320	---
		2-2.5	(u)	---	---	---	---	---	**44**	---	**66**	---	---	---	**0.09**	17	**1**	**1**	**2**	---	---	2260	---
(reactor clarifier)		5.5	(u)	---	---	---	---	---	14	---	7	---	---	---	<0.05	---	<0.8	<0.5	1	---	---	78	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	---
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	---
B-44	06/15/00	0-0.5	(u)	**5**	**28**	369	<4	**99**	**60**	**60**	**287**	0.16	**431**	**917**	**2.1**	**35**	**5**	**4**	**3**	**36**	20	7725	---
(reactor clarifier)		2-2.5	(u)	**3**	**10**	---	---	**17**	**20**	7	**55**	---	**95**	256	**0.3**	10	**2**	**1**	1	**12**	---	1810	---
		5.5	(u)	**3**	9	---	---	**8**	14	---	**39**	---	**77**	---	**0.19**	---	<0.8	1	---	**12**	---	2280	---
		8.5	(u)	**2**	---	---	---	2	---	---	**18**	---	21	---	<0.05	---	---	<0.5	---	<5	---	433	---
		11.5	(u)	**1**	---	---	---	---	---	---	<5	---	---	---	---	---	---	---	---	---	---	32	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	---
		15-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	---
B-45	06/15/00	0-0.5	(u)	<0.8	**22**	185	<4	**31**	**204**	**36**	**269**	**0.59**	59	193	**0.3**	**74**	**5**	<0.5	**8**	**8**	27	1588	---
(reactor clarifier)		2-2.5	(u)	---	8	---	---	**36**	**19**	**11**	**37**	<0.04	---	---	**0.11**	**35**	<0.8	---	**8**	<5	---	965	---
		5.5	(u)	---	---	---	---	<1	12	<5	**56**	---	---	---	**1.8**	8	---	---	**4**	---	---	197	---
		8.5	(u)	---	---	---	---	---	---	---	**50**	---	---	---	**0.17**	---	---	---	**3**	---	---	434	---
		11.5	(u)	---	---	---	---	---	---	---	<5	---	---	---	<0.05	---	---	---	1	---	---	186	---
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	228	---
B-46	06/22/00	0-0.5	(u)	**3**	<5	165	<4	9	12	<5	10	<0.04	12	258	**0.13**	9	<0.8	<0.5	<1	<5	17	551	---
	Duplicate 25	0-0.5	(u)	**3**	<5	164	<4	**23**	9	<5	11	<0.04	14	272	<0.05	8	<0.8	<0.5	**2**	<5	14	915	---
		2-2.5	(u)	<0.8	---	---	---	**7**	---	---	---	---	---	---	<0.05	---	---	---	1	---	---	55	---
		5.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
(former sludge		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---
drying beds)		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26	---
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	---
B-47	06/22/00	0-0.5	(u)	**4**	6	168	<4	**12**	**19**	8	26	<0.04	53	321	<0.05	12	<0.8	<0.5	<1	7	16	1650	---
(former sludge		2-2.5	(u)	<0.8	---	---	---	<1	**15**	---	---	---	---	---	---	---	---	---	---	---	---	41	---
drying beds)		5.5	(u)	---	---	---	---	---	**10**	---	---	---	---	---	---	---	---	---	---	---	---	35	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35	---
		11.5-12	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-48	06/23/00	0-0.5	(u)	3	<5	561	<4	27	25	6	16	<0.04	20	361	<0.05	14	<0.8	1	<1	<5	34	1560	---
(former sludge		2-2.5	(u)	3	---	---	---	<1	14	---	---	---	---	295	---	---	---	<0.5	---	---	---	88	---
drying beds)		5.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	---
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---
		11.5-12	(s)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---
B-49	06/15/00	0-0.5	(u)	2	13	409	<4	37	63	34	254	<0.04	423	462	0.43	42	<0.8	2	1	23	30	3715	---
	Duplicate 10	0-0.5	(u)	5	31	409	<4	54	99	24	271	0.14	722	645	0.62	48	<0.8	2	1	33	25	7502	---
(north/south		2-2.5	(u)	2	6	---	---	2	15	<5	24	---	64	255	0.12[a]	8	---	<0.5	---	8	---	775	---
demin tanks)		5.5	(u)	2	---	---	---	---	15	---	7	---	10	---	<0.05[a]	---	---	---	---	<5	---	54	---
		8.5	(u)	2	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	73	---
		11.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	---
		14-14.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39	---
B-50	06/15/00	0-0.5	(u)	3	17	339	<4	36	73	9	165	2.8	424	651	0.51	29	<0.8	2	<1	32	29	6892	---
	Duplicate 9	0-0.5	(u)	3	18	674	<4	6	60	8	99	2.2	301	586	0.23	19	<0.8	1	2	34	29	4347	---
(north/south		2-2.5	(u)	3	6	---	---	<1	17	---	12	<0.04[a]	16	373	0.05[a]	13	---	<0.5	2	<5	---	160	---
demin tanks)		5.5	(u)	2	---	---	---	---	15	---	---	<0.04[a]	---	334	<0.05[a]	---	---	---	1	---	---	48	---
		8.5	(u)	1	---	---	---	---	11	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	58	---
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---
		12.5-13	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	486	---
B-51	06/15/00	0-0.5	(u)	3	14	299	<4	24	165	17	291	2.6	675	372	0.4	48	<0.8	3	<1	22	16	5798	---
	Duplicate 11	0-0.5	(u)	3	18	242	<4	20	169	12	294	1.6	495	447	0.16	54	<0.8	2	<1	23	18	5508	---
(north/south		2-2.5	(u)	11	32	---	---	24	104	6	477	4.2[a]	647	682	1.3[a]	15	---	3	---	54	---	11940	---
demin tanks)		5.5	(u)	<0.8	6	---	---	<1	16	---	13	<0.04[a]	14	344	<0.05[a]	---	---	<0.5	---	<5	---	138	---
		8.5	(u)	---	---	---	---	---	13	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	57	---
	Duplicate 48	8.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	<0.05	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		12.5-13	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	327	---
B-52	06/15/00	0-0.5	(u)	<0.8	<5	181	<4	4	46	7	23	<0.04	66	312	0.07	25	<0.8	1	<1	<5	22	707	---
(north/south		2-2.5	(u)	---	---	---	---	---	13	---	---	---	---	---	---	---	---	<0.5	---	---	---	70	---
demin tanks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59	---
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-53	06/22/00	0-0.5	(u)	7	9	209	<4	**1214**	**15**	**32**	**52**	0.13	**195**	**721**	**0.22**	13	<0.8	**1**	<1	**20**	17	15810	---
(product storage		2-2.5	(u)	**2**	---	---	---	**1055**	12	6	12	---	13	**430**	<0.05[a]	---	---	<0.5	---	<5	---	15330	---
bins)		5.5	(u)	**1**	---	---	---	**16**	---	---	---	---	---	232	<0.05[a]	---	---	---	---	---	---	172	---
	Duplicate 49	5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	---	---
		8.5	(u)	**1**	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	36	---
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	---
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	---
		17.5-18	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	---
B-54	06/22/00	0-0.5	(u)	**2**	<5	323	<4	9	10	6	**7**	<0.04	11	**400**	<0.05	9	**1**	<0.5	1	<5	27	134	---
(product storage		2-2.5	(u)	**2**	---	---	---	---	---	---	---	---	---	**401**	---	---	<0.8	---	---	---	---	42	---
bins)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	155	---	---	---	---	---	---	---	50	---
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	---
		14-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	---
B-55		0-0.5	(u)	**1**	<5	224	<4	<1	14	6	9	<0.04	8	**415**	<0.05	9	<0.8	<0.5	<1	<5	21	28	---
(product storage		2-2.5	(u)	**2.2**	---	---	---	---	---	---	---	---	---	**524**	---	---	---	---	---	---	---	---	---
bins)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	232	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		12-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-56	06/28/00	0-0.5	(u)	**1**	<5	211	<4	6	**16**	**36**	10	<0.04	10	**385**	<0.05	11	<0.8	**4**	1	<5	20	215	---
(product storage		2-2.5	(u)	**1**	---	---	---	---	12	7	---	---	---	260	---	---	---	<0.5	---	---	---	95	---
bins)		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---
		14-15.5	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
B-57	06/19/00	0-0.5	(u)	<0.8	6	210	<4	<1	11	6	22	<0.04	15	318	0.052	23	<0.8	<0.5	<1	<5	21	56	---
(old casting		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	36	---
building)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	---
		15.6-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-58	06/19/00	0-0.5	(u)	<0.8	5	198	<4	<1	**17**	7	9	<0.04	9	254	<0.05	12	<0.8	<0.5	<1	<5	20	55	---
(old casting		2-2.5	(u)	---	---	---	---	---	**17**	---	---	---	---	---	---	---	---	---	---	---	---	46	---
building)		5.5	(u)	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	34	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7	---
		15.7-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	---
B-59	06/19/00	0-0.5	(u)	<0.8	5	221	<4	3	**18**	**11**	12	<0.04	22	309	<0.05	**40**	<0.8	<0.5	<1	<5	16	577	---
(old casting		2-2.5	(u)	---	---	---	---	---	11	6	---	---	---	---	---	10	---	---	---	---	---	48	---
building)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	---
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	---
B-60	06/19/00	0-0.5	(u)	1	10	244	<4	2	**18**	9	74	<0.04	27	**464**	**0.11**	14	<0.8	<0.5	7	<5	35	407	---
(old casting		2-2.5	(u)	**2**	---	---	---	---	**20**	---	**53**	---	---	238	**0.26**[a]	---	---	---	1	---	---	619	---
building)		5.5	(u)	**1**	---	---	---	---	9	---	6	---	---	---	<0.05[a]	---	---	---	---	---	---	34	---
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36	---
		10-11	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	---
B-61	06/20/00	0-0.5	(u)	**3**	**61**	87	<4	**48**	**60**	**19**	**232**	<0.04	**317**	149	**18**	**28**	**9**	**4**	<1	7	26	3,288	---
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.5*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*0.58*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*29*	---
(feedtank No.1)		2-2.5	(u)	<0.8	6	596	<4	<1	**20**	6	15	<0.04	13	333	0.05	13	<0.8	<0.5	**2**	<5	24	85	---
		5.5	(u)	<0.8	6	362	<4	<1	9	5	7	<0.04	9	295	<0.05	8	<0.8	<0.5	**1**	<5	35	44	---
	Duplicate 19	5.5	(u)	<0.8	6	302	<4	<1	**17**	6	14	<0.04	10	313	<0.05	11	<0.8	<0.5	**2**	<5	**39**	70	---
		8.5	(u)	**1**	<5	189	<4	<1	12	6	7	<0.04	9	307	<0.05	8	1	<0.5	7	<5	28	42	---
		11.5	(u)	<0.8	<5	58	<4	<1	**49**	8	<5	<0.04	<5	205	<0.05	24	<0.8	<0.5	**3**	<5	8	22	---
		14.5	(u)	<0.8	<5	67	<4	<1	**73**	**12**	<5	<0.04	<5	370	<0.05	**34**	**1**	<0.5	**2**	<5	7	11	---
		15-16	(s)	<0.8	<5	67	<4	<1	**60**	**12**	<5	<0.04	<5	274	<0.05	**28**	1	<0.5	1	<5	5	11	---
B-62	06/20/00	0-0.5	(u)	**1**	<5	---	---	4	**34**	6	8	---	11	---	<0.05	18	<0.8	<0.5	---	---	---	385	---
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	**15**	---	---	---	---	---	---	---	---	---	**2**	---	---	36	---
		5.5	(u)	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	**2**	---	34	38	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	<1	---	---	26	---
		11.5	(u)	---	---	---	---	---	27	---	---	---	---	---	---	---	---	---	<1	---	---	20	---
		14.5	(u)	---	---	---	---	---	26	6	---	---	---	---	---	12	<0.8	---	<1	---	---	8	---
		15-16	(s)	---	---	---	---	---	**54**	**10**	---	---	---	---	---	**26**	1	---	---	---	---	8	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-63	06/20/00	0-0.5	(u)	<0.8	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	59	---
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	14	---	---	---	---	---	---	---	---	---	2	---	---	66	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	64	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	---
		15-16	(s)	---	---	---	---	---	45	10	---	---	---	---	---	21	<0.8	---	---	---	---	6	---
B-64	06/20/00	0-0.5	(u)	<0.8	7	305	<4	623	16	7	13	<0.04	39	1725	<0.05	22	<0.8	0.54	2	6	27	9393	---
(feedtank No.1)		2-2.5	(u)	2	7	282	<4	193	27	30	540	0.08	60	4188	0.08	47	<0.8	2	<1	9	26	59140	---
	(SPLP)	*2-2.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.0*	*<0.1*	*<0.1*	*<0.1*	*---*	*<0.1*	*0.36*	*---*	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*16*	*---*
		5.5	(u)	1	<5	203	<4	3	10	<5	11	<0.04	14	2305	<0.05	11	<0.8	1	<1	<5	25	62460	---
		8.5	(u)	1	6	292	<4	<1	15	7	9	<0.04	24	415	<0.05	11	<0.8	<0.5	2	10	36	757	---
		11.5	(u)	<0.8	<5	51	<4	1	29	7	<5	<0.04	<5	139	<0.05	14	1	<0.5	<1	<5	8	671	---
		14.5	(u)	<0.8	<5	51	<4	<1	62	13	<5	<0.04	<5	283	<0.05	29	1	<0.5	<1	<5	6	143	---
		15-15.5	(s)	<0.8	<5	71	<4	<1	82	16	6	<0.04	<5	176	<0.05	38	1	0.52	<1	<5	5	64	---
B-65	06/20/00	0-0.5	(u)	---	---	---	---	10	21	---	---	---	---	419	---	---	---	---	2	---	---	1110	---
(feedtank No.1)		2-2.5	(u)	3	---	---	---	2	28	6	30	---	1570	386	---	9	---	1	---	518	---	684	---
		5.5	(u)	1	---	---	---	---	---	---	---	---	---	349	---	---	---	<0.5	---	---	---	1750	---
		8.5	(u)	1	---	---	---	---	16	---	---	---	---	---	---	---	---	---	2	11	38	57	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	39	---
		14.5	(u)	---	---	---	---	---	23	7	---	---	---	---	---	---	1	---	---	---	---	17	---
		15.3-16	(s)	---	---	---	---	---	39	9	---	---	---	---	---	18	1	<0.5	---	---	---	18	---
B-66	06/20/00	0-0.5	(u)	---	---	---	---	---	93	---	---	---	---	532	---	---	---	---	<1	---	---	4176	---
	Duplicate 18	0-0.5	(u)	4	9	123	<4	74	222	60	1380	<0.04	427	559	0.08	69	<0.8	1	3	30	10	2200	---
(feedtank No.1)		2-2.5	(u)	1	---	---	---	---	12	---	29	---	29	257	---	---	---	<0.5	---	6	---	99	---
		5.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	110	---
		8.5	(u)	1	---	---	---	---	11	---	---	---	---	---	---	---	---	---	6	5	25	72	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	13	---
		15.7-16	(s)	---	---	---	---	---	49	---	---	---	---	---	---	---	1	---	---	---	---	11	---
B-67	06/15/00	0-0.5	(u)	<0.8	<5	161	12	326	17	8	407	<0.04	56	1297	0.1	16	<0.8	2	<1	12	18	52100	---
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	<1	---	---	8	---	---	349	<0.05[a]	---	---	<0.5	---	<5	---	103	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	180	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	138	---
		11.5-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73	---

ARCADIS GERAGHTY & MILLER

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-68	06/27/00	0-0.5	(u)	**2**	<5	134	<4	**129**	13	**11**	25	<0.04	9	**1528**	<0.05	20	<0.8	<0.5	<1	<5	18	40160	---
(Facility No. 1)		2-2.5	(u)	**4**	---	---	---	**302**	---	**10**	---	---	---	**1560**	---	---	---	---	---	---	---	14400	---
		5.5	(u)	**3**	---	---	---	2	---	7	---	---	---	445	---	---	---	---	---	---	---	247	---
		8.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71	---
		11.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71	---
		14.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35	---
		15.7-16	(s)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---
B-69	06/15/00	0-0.5	(u)	<0.8	<5	132	**6**	**512**	**67**	**68**	**295**	<0.04	14	**746**	<0.05	**149**	**3**	<0.5	<1	6	15	25520	---
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	**27**	11	7	**51**	---	---	**872**	---	11	<0.8	---	---	---	---	29520	---
		5.5	(u)	---	---	---	---	**54**	---	---	16	---	---	**2200**	---	---	---	---	---	---	---	74080	---
		8.5	(u)	---	---	---	---	2	---	---	---	---	---	269	---	---	---	---	---	---	---	779	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	273	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2340	---
		15.6-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26790	---
B-70	06/19/00	0-0.5	(u)	<0.8	<5	131	<4	**875**	**16**	8	13	0.11	10	**545**	<0.05	11	<0.8	<0.5	**5**	<5	17	6,289	---
(Facility No. 1)		2-2.5	(u)	---	---	---	---	**13**	**16**	---	---	---	---	311	---	---	---	---	**2**	---	---	296	---
		5.5	(u)	---	---	---	---	**16**	**15**	---	---	---	---	---	---	---	---	---	**2**	---	---	342	---
		8.5	(u)	---	---	---	---	4	11	---	---	---	---	---	---	---	---	---	**7**	---	---	101	---
		11.5-12	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	20	---
B-71	06/14/00	0-0.5	(u)	<0.8	<5	65	<4	3	**28**	**20**	**178**	<0.04	31	**2356**	<0.05	17	<0.8	1	**3**	<5	13	983	---
(west cell house)		2-2.5	(u)	---	---	---	---	---	11	5	**20**	---	---	284	---	---	---	<0.5	<1	---	---	130	---
		5.5	(u)	---	---	---	---	---	---	---	**11**	---	---	---	---	---	---	---	---	---	---	118	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		20.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		22.5-23	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---
B-72	06/14/00	0-0.5	(u)	**2**	<5	66	<4	3	11	<5	**74**	<0.04	42	**1484**	<0.05	6	<0.8	<0.5	<1	<5	13	19120	---
(west cell house)		2-2.5	(u)	<0.8	---	---	---	---	---	---	10	---	---	93	---	---	---	---	---	---	---	836	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	616	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	676	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56	---
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-73	07/11/00	0-0.5	(u)	**0.9**	<5	80	<4	2	12	**13**	8	<0.04	15	201	<0.05	11	<0.8	<0.5	<1	**9**	15	251	---
(west cell house)		2-2.5	(u)	<0.8	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---	<5	---	220	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		20.5-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-74	06/14/00	0-0.5	(u)	<0.8	<5	79	<4	<1	**22**	6	10	<0.04	13	204	<0.05	16	<0.8	<0.5	2	<5	17	399	---
(west cell house)		2-2.5	(u)	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	**2**	---	---	318	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	53	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	41	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	31	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	45	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	42	---
		20.5-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	41	---
B-75	06/26/00	0-0.5	(u)	**3**	<5	56	<4	2	10	<5	6	<0.04	6	159	<0.05	6	<0.8	<0.5	**2**	<5	16	83	---
(NOR 43)		2-2.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	58	---
		5.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		8.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---
		11.5	(u)	**5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58	---
		14.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	---
		17.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		20.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	41	---
		23.5	(u)	**5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57	---
		26-26.5	(s)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63	---
B-76	06/26/00	0-0.5	(u)	**4**	<5	215	<4	**23**	**32**	6	30	<0.04	27	**466**	0.09	18	<0.8	<0.5	<1	<5	21	1040	---
(NOR 43)		2-2.5	(u)	**2**	---	---	---	<1	**16**	---	---	---	---	**491**	<0.05	---	---	---	---	---	---	60	---
		5.5	(u)	**3**	---	---	---	---	13	---	---	---	---	370	---	---	---	---	---	---	---	47	---
		8.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		11.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61	---
		14.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63	---
		17.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		20.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	---
		23.4-24	(s)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-77	06/27/00	0-0.5	(u)	<0.8	<5	67	<4	<1	9	<5	6	<0.04	16	171	<0.05	6	<0.8	<0.5	3	<5	13	121	---
(NOR 43)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	45	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	55	---
		19.7-20	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	---
B-78	06/27/00	0-0.5	(u)	<0.8	<5	122	<4	<1	13	6	7	<0.04	19	198	<0.05	8	<0.8	<0.5	2	<5	14	155	---
(NOR 43)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	43	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		19.5-20	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36	---
B-79	06/21/00	0-0.5	(u)	3	<5	101	<4	12	28	13	11	<0.04	14	665	<0.05	15	<0.8	<0.5	<1	<5	14	2867	---
(feedtank #2)		2-2.5	(u)	3	<5	142	<4	<1	14	5	10	<0.04	9	367	<0.05	10	<0.8	<0.5	<1	<5	25	74	---
		5.5	(u)	3	8	303	<4	<1	21	7	11	<0.04	11	373	<0.05	12	<0.8	<0.5	<1	<5	61	69	---
	Duplicate 21	5.5	(u)	2	8	389	<4	<1	12	6	8	<0.04	9	629	<0.05	9	<0.8	<0.5	<1	<5	33	43	---
		8.5	(u)	2	6	193	<4	<1	9	6	7	<0.04	9	372	<0.05	9	<0.8	<0.5	<1	<5	27	36	---
		11.5	(u)	2	7	312	<4	<1	12	6	7	<0.04	9	337	<0.05	8	<0.8	<0.5	<1	<5	30	41	---
		14.5	(u)	2	7	337	<4	<1	15	7	10	<0.04	11	325	<0.05	16	<0.8	<0.5	1	<5	34	56	---
		17.5	(u)	2	6	357	<4	<1	12	8	10	<0.04	13	690	<0.05	13	<0.8	<0.5	<1	<5	31	51	---
		18-18.5	(s)	2	<5	375	<4	<1	16	7	9	<0.04	10	389	<0.05	12	<0.8	<0.5	<1	<5	33	73	---
B-80	06/21/00	0-0.5	(u)	<0.8	---	---	---	82	16	8	---	---	---	652	---	---	---	---	---	---	---	6729	---
(feedtank #2)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	406	---	---	---	---	---	---	---	86	---
		5.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	375	---	---	---	---	---	---	32	52	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63	---
		14.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		17.5-18	(s)	<0.8	---	---	---	---	7	---	---	---	---	566	---	---	---	---	---	---	---	31	---
B-81	06/21/00	0-0.5	(u)	---	---	---	---	6	15	---	---	---	---	210	---	---	---	---	---	---	---	623	---
(feedtank #2)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	293	---	---	---	---	---	---	---	56	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59	---
		20.7-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-82	06/21/00	0-0.5	(u)	**4**	7	86	**5**	**133**	**59**	**15**	**1130**	0.05	57	**956**	0.07	**250**	<0.8	**1**	**7**	7	15	16920	---
(feedtank #2)		2-2.5	(u)	**2**	<5	103	<4	**159**	**27**	7	14	<0.04	<5	**445**	<0.05	**37**	<0.8	<0.5	4	<5	9	4204	---
		5.5	(u)	**2**	<5	50	<4	**410**	**17**	7	5	<0.04	<5	**3615**	<0.05	17	<0.8	**1**	<1	<5	11	26850	---
	(SPLP)	*5.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.7*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*2.6*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*20*	---
		8.5	(u)	1	<5	63	<4	**261**	**34**	9	6	<0.04	7	**1651**	<0.05	25	<0.8	<0.5	<1	<5	12	12400	---
		11.5	(u)	**2**	7	387	<4	4	**15**	9	12	<0.04	12	515	<0.05	13	<0.8	<0.5	<1	<5	**37**	210	---
		14.5	(u)	**2**	6	339	<4	3	14	9	12	<0.04	13	**794**	<0.05	14	<0.8	<0.5	1	<5	33	170	---
		17.5	(u)	**3**	10	224	<4	2	**21**	9	12	<0.04	12	399	<0.05	15	<0.8	<0.5	1	<5	**44**	144	---
	Duplicate 22	17.5	(u)	**2**	8	179	<4	1	11	6	9	<0.04	10	267	<0.05	10	<0.8	<0.5	1	<5	30	86	---
		19-20	(s)	**3**	<5	224	<4	**167**	**15**	6	10	<0.04	13	**918**	<0.05	19	<0.8	<0.5	<1	<5	26	3902	---
B-83	06/21/00	0-0.5	(u)	**2.3**	---	---	<4	**273**	**25**	**11**	**359**	---	---	**3384**	---	**30**	---	**3.8**	<5	---	---	38770	---
(feedtank #2)		2-2.5	(u)	<0.8	---	---	---	**21**	**19**	---	---	---	---	**517**	---	17	---	---	<5	---	---	2829	---
		5.5	(u)	<0.8	---	---	---	1	13	---	---	---	---	378	---	---	---	<0.5	---	---	---	151	---
		8.5	(u)	<0.8	---	---	---	2	13	---	---	---	---	348	---	---	---	---	---	---	---	190	---
		11.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	31	64	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	397	---	---	---	---	---	---	---	57	---
		17.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	32	68	---
		20.5	(u)	<0.8	---	---	---	<1	**15**	---	---	---	---	360	---	---	---	---	---	---	---	62	---
		23.5-24	(s)	<0.8	---	---	---	<1	13	---	---	---	---	254	---	---	---	---	---	---	---	77	---
B-84	06/22/00	0-0.5	(u)	**5.8**	---	---	---	**92**	**45**	**12**	**646**	---	---	4274	---	**39**	---	**11.3**	<5	---	---	22850	---
(feedtank #2)		2-2.5	(u)	---	---	---	---	3	**15**	---	---	---	---	476	---	---	---	---	**2**	---	---	211	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		20.5	(u)	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		23.5-24	(s)	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	39	---
B-85	06/22/00	0-0.5	(u)	**3**	**13**	232	<4	**62**	**15**	7	**74**	0.22	**178**	**584**	**0.13**	**15**	<0.8	**1**	<1	**6**	19	3925	---
	Duplicate 23	0-0.5	(u)	**7**	**36**	430	<4	**185**	**35**	**13**	**237**	<0.04	**375**	**1170**	**0.14**	**40**	1	**4**	1	11	22	10940	---
		2-2.5	(u)	**1**	<5	---	---	2	11	5	9	<0.04	23	327	<0.05[a]	10	<0.8	<0.5	---	<5	---	149	---
(Facility #2)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	2480	---
	Duplicate 51	5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	745	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1040	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31	---
		17.5-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-86	06/28/00	0-0.5	(u)	**1**	6	222	<4	10	11	**10**	27	<0.04	27	276	0.051	8	<0.8	<0.5	**2**	<5	21	658	---
(Facility #2)		2-2.5	(u)	**2**	---	---	---	---	---	7	---	---	---	---	---	---	---	---	<1	---	---	132	---
		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---
		11.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---
		16-16.5	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---
B-87	06/22/00	0-0.5	(u)	**2**	<5	84	<4	**345**	**19**	**13**	17	0.17	22	**1210**	<0.05	12	<0.8	**2**	<1	<5	12	30480	---
(Facility #2)		2-2.5	(u)	**1**	---	---	---	**39**	12	6	---	---	---	**805**	---	---	---	**1**	---	---	---	3500	---
		5.5	(u)	<0.8	---	---	---	1	---	---	---	---	---	312	---	---	---	<0.5	---	---	---	134	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	93	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	---
B-88	06/28/00	0-0.5	(u)	<0.8	10	488	<4	**1255**	**102**	**31**	**178**	<0.04	30	**357**	<0.05	51	<0.8	<0.5	<1	<5	13	2440	---
	Duplicate 34	0-0.5	(u)	<0.8	10	221	<4	**2440**	**59**	**43**	**188**	0.15	26	**529**	<0.05	**36**	<0.8	<0.5	<1	<5	12	5292	---
		2-2.5	(u)	---	---	---	---	**12**	**17**	8	**20**	---	---	**502**	---	12.8	---	---	---	---	---	93	---
(Facility #2)		5.5	(u)	---	---	---	---	**10**	13	---	13	---	---	346	---	---	---	---	---	---	---	74	---
		8.5	(u)	---	---	---	---	**11**	---	---	---	---	---	---	---	---	---	---	---	---	---	183	---
		11.5	(u)	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75	---
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---
B-89	07/10/00	0-0.5	(u)	**3**	**11**	114	<4	**749**	12	**50**	**876**	<0.04	27	**251**	<0.05	**31**	<0.8	<0.5	**5**	<5	14	11430	---
	Duplicate 44	0-0.5	(u)	**3**	**24**	117	<4	**800**	**15**	**95**	**898**	<0.04	29	**482**	<0.05	**30**	<0.8	<0.5	4	<5	16	16490	---
		2-2.5	(u)	<0.8	6	---	---	**86**	11	**70**	12	---	---	**577**	---	**36**	---	---	<5	---	---	2490	---
		5.5	(u)	---	---	---	---	**6**	---	8	---	---	---	347	---	11	---	---	<1	---	---	178	---
(3 sided bin)		8.5	(u)	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	102	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	69	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		15.8-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-90	07/10/00	0-0.5	(u)	**4**	**38**	100	<4	**731**	**15**	**81**	**914**	<0.04	47	**381**	<0.05	**68**	<0.8	<0.5	**3**	<5	12	14890	---
(3 sided bin)		2-2.5	(u)	<0.8	6	---	---	**116**	**23**	**54**	**22**	---	---	**623**	---	**117**	---	---	<5	---	---	3390	---
		5.5	(u)	---	---	---	---	**45**	12	**13**	10	---	---	281	---	17	---	---	<1	---	---	1120	---
		8.5	(u)	---	---	---	---	**8**	---	7	---	---	---	---	---	---	---	---	---	---	---	222	---
		11.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	37	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-91	07/10/00	0-0.5	(u)	3	7	110	<4	781	64	49	401	0.12	40	283	<0.05	466	<0.8	<0.5	3	5	15	8794	---
(3 sided bin)		2-2.5	(u)	<0.8	---	---	---	1971	10	523	12	---	---	---	---	55	---	---	<1	---	---	63510	---
		5.5	(u)	---	---	---	---	17	---	11	---	---	---	---	---	11	---	---	---	---	---	401	---
		8.5	(u)	---	---	---	---	1	---	6	---	---	---	---	---	---	---	---	---	---	---	63	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		16.16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-92	06/29/00	0-0.5	(u)	1	<5	162	<4	5	25	63	17	<0.04	17	340	0.2	22	<0.8	1	2	<5	23	290	---
(Facility #3)		2-2.5	(u)	2	---	---	---	---	16	6	---	---	---	394	<0.05	---	---	<0.5	<1	---	---	108	---
		5.5	(u)	2	---	---	---	---	11	---	---	---	---	322	---	---	---	---	---	---	---	38	---
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		14-14.5	(s)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---
B-93	06/27/00	0-0.5	(u)	<0.8	6	154	<4	105	23	9	78	<0.04	168	343	10	22	18	3	2	5	16	1430	---
(Facility #3)		2-2.5	(u)	---	---	---	---	1	14	---	13	---	10	344	0.6	---	<0.8	<0.5	<1	---	---	242	---
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	85	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56	---
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26	---
B-94	06/27/00	0-0.5	(u)	1	6	86	<4	53	24	6	69	<0.04	192	147	0.4	12	1	4	1	<5	10	3712	---
(Facility #3)		2-2.5	(u)	4	---	---	---	12	12	---	25	---	28	---	0.055	---	<0.8	<0.5	---	---	---	789	---
		5.5	(u)	4	---	---	---	<1	---	---	11	---	---	---	---	---	---	---	---	---	---	55	---
		8.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---
		11.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		11.7-12.5	(s)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	166	---
B-95	06/23/00	0-0.5	(u)	4	<5	88	<4	22	12	8	30	0.06	61	310	0.07	25	<0.8	1	1	<5	9	722	---
(Facility #3)		2-2.5	(u)	2	---	---	---	<1	---	---	---	---	---	---	---	---	---	<0.5	<1	---	---	58	---
		5.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		14.3-15	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
B-96	06/12/00	0-0.5	(u)	128	3353	1665	92	2795	351	363	30530	1.6	28300	8209	11	457	39	345	<20	332	21	117600	---
(Railroad		2-2.5	(u)	0.8	6.8	403	<4	2.9	21	7.2	12	<0.04	15	366	<0.05	13	<5	4.3	1.4	<5	---	125	---
Tracks)		5.5	(u)	1.9	---	---	---	---	24	---	---	---	---	372	---	---	<5	12	1.8	---	---	147	---
		8.5	(u)	<0.8	---	---	---	---	27	---	---	---	---	---	---	---	<5	6.3	<1	---	---	33	---
		11.5	(u)	---	---	---	---	---	56	---	---	---	---	---	---	---	<5	2.2	---	---	---	24	---
		14.5	(u)	---	---	---	---	---	20	---	---	---	---	---	---	---	<5	42	---	---	---	54	---
		16-16.5	(s)	---	---	---	---	---	17	---	---	---	---	---	---	---	<5	1.8	---	---	---	55	---

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Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-97	06/12/00	0-0.5	(u)	336	3197	759	129	3051	2471	5568	22470	21.0	65760	17930	11	3562	21	320	<20	1342	28	149300	---
	Duplicate 1	(0-0.5)	(u)	163	1794	1065	142	3911	4691	14450	44110	14.0	40450	22500	6.5	18280	28	287	<20	2073	88	111400	---
(Railroad Tracks)		2-2.5	(u)	2.5	8.1	432	<4	2,165	26	204	56	<0.04	90	1,656	<0.05	56	<5	9.1	<1	<5	45	20,000	---
	(SPLP)	*2-2.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*15.0*	*<0.1*	*0.53*	*<0.1*	---	*<0.1*	*1.4*	---	*0.24*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*64*	---
		5.5	(u)	1.1	<5	---	---	976	17	59	35	---	37	450	---	31	---	1.9	---	<5	33	6285	---
		8.5	(u)	2.5	---	---	---	13	13	12	14	---	---	---	---	10	---	13	---	<5	---	175	---
		11.5	(u)	9	---	---	---	7.2	---	6.3	---	---	---	---	---	---	---	11	---	<5	---	108	---
		14.5	(u)	<0.8	---	---	---	11	---	---	---	---	---	---	---	---	---	21	---	<5	---	92	---
		15.5-16	(s)	---	---	---	---	4.8	---	---	---	---	---	---	---	---	---	3.7	---	<5	---	57	---
B-98	06/12/00	0-0.5	(u)	79	1542	1536	90	2046	717	517	12230	0.83	20870	9205	2.2	963	31	352	<20	271	24	87900	---
(Railroad		2-2.5	(u)	<0.8	5.3	416	<4	1.1	19	6.6	11	<0.04	14	327	<0.05	13	<5	2.9	2.6	<5	---	82	---
Tracks)		5.5	(u)	---	---	---	---	---	24	---	---	---	---	---	---	---	<5	21	1.6	---	---	76	---
		8.5	(u)	---	---	---	---	---	25	---	---	---	---	---	---	---	<5	2.4	2	---	---	93	---
		11.5	(u)	---	---	---	---	---	15	---	---	---	---	---	---	---	<5	1.9	<1	---	---	49	---
		14-14.5	(s)	---	---	---	---	---	16	---	---	---	---	---	---	---	<5	9	---	---	---	52	---
B-99	06/12/00	0-0.5	(u)	139	8018	1181	82	2970	930	1209	104400	7.0	25130	11910	16	1369	83	321	<20	472	20	145500	---
(Railroad		2-2.5	(u)	1.5	15	370	<4	27	19	41	165	<0.04	45	311	0.08	18	<5	1.8	1.1	<5	---	2,900	---
Tracks)		5.5	(u)	1.1	25	---	---	85	20	37	274	---	---	---	---	---	---	2.2	1.9	---	---	2,045	---
		8.5	(u)	1.6	7.9	---	---	1.9	24	10	18	---	---	---	---	---	---	0.96	2	---	---	130	---
		11.5	(u)	1.6	---	---	---	---	32	13	124	---	---	---	---	---	---	1.5	2.3	---	---	281	---
		14-14.5	(s)	1.5	---	---	---	---	13	5.2	16	---	---	---	---	---	---	1.9	1.5	---	---	51	---
B-100	06/13/00	0-0.5	(u)	<0.8	<5	134	<4	13	14	<5	17	<0.04	27	185	0.29	10	<0.8	5	2	<5	19	516	---
(Railroad		2-2.5	(u)	---	---	---	---	1	---	---	---	---	---	---	<0.05	---	---	<0.5	3	---	---	65	---
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	223	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	587	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	30	---
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---
B-101	06/12/00	0-0.5	(u)	21	359	448	12	334	23	12	2334	<0.04	5451	1083	11	22	20	120	<20	36	13	66230	---
	Duplicate 3	(0-0.5)	(u)	20	298	348	12	436	28	52	2554	0.31	4048	1132	22	71	14	81	<20	51	16	62730	---
(Railroad		2-2.5	(u)	<0.8	6	---	<4	3	9	<5	11	<0.04[a]	16	222	<0.05	7	<0.8	<0.5	2	<5	---	495	---
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	---	---	---	---	2	---	---	56	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	81	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-102	06/12/00	0-0.5	(u)	**2.1**	**24**	237	<4	**236**	13	**11**	**187**	<0.04	**338**	**349**	**0.46**	19	**0.96**	4.4	**<20**	6.6	20	16260	---
	Duplicate 2	(0-0.5)	(u)	**1.7**	**23**	273	<4	**81**	**43**	**117**	**414**	<0.04	**467**	**433**	**23**	**136**	<0.8	4.7	**<20**	**27**	24	3045	---
(Railroad		2-2.5	(u)	<0.8	<5	---	---	3	10	<5	10	---	13	254	<0.05	7	<0.8	<0.5	1	<5	---	217	---
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39	---
		14.8-15.3	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---
B-103	06/12/00	0-0.5	(u)	**2.1**	**46**	311	<4	**157**	**19**	**12**	**415**	<0.04	**680**	**404**	**1.5**	18	**1.7**	**11**	**<20**	**13**	27	16600	---
(Railroad		2-2.5	(u)	<0.8	5	---	---	**5**	12	<5	11	---	18	253	<0.05	---	<0.8	<0.5	1	<5	---	333	---
Tracks)		5.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	57	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	199	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	79	---
		15-15.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35	---
B-104	06/13/00	0-0.5	(u)	**64**	**603**	**990**	**18**	**566**	**102**	**93**	**6961**	**0.88**	**5971**	**2665**	**3.4**	**110**	**6**	**74**	<1	128	23	130200	---
(Railroad		2-2.5	(u)	<0.8	<5	114	<4	3	11	<5	**26**	<0.04	19	260	<0.05[a]	9	<0.8	<0.5	---	<5	---	315	---
Tracks)		5.5	(u)	---	---	---	---	---	---	---	12	---	---	---	<0.05[a]	---	---	---	---	---	---	60	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**481**	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	---
B-105	06/23/00	0-0.5	(u)	**404**	**1310**	95	**75**	**1077**	**33**	**13**	**1151**	**0.56**	**13160**	**2294**	**6.2**	**11**	**4**	**182**	<1	**75**	<5	239900	---
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.11*	*<0.1*	*5.3*	*<0.1*	*<0.1*	*<0.1*	---	*0.83*	*13*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*750*	---
(Boneyard)		2-2.5	(u)	**3**	<5	87	<4	**48**	13	6	**29**	**0.16**	27	**1490**	<0.05	12	<0.8	<0.5	**<1**	<5	14	6434	---
		5.5	(u)	**2**	<5	508	<4	<1	10	<5	10	<0.04	11	274	<0.05	8	<0.8	<0.5	<1	<5	29	124	---
		8.5	(u)	**2**	5	355	<4	<1	11	<5	10	---	10	265	---	7	<0.8	<0.5	**6**	<5	34	89	---
		10.5-11	(s)	**2**	<5	246	<4	<1	8	<5	7	---	9	314	---	7	<0.8	<0.5	**2**	<5	22	45	---
B-106	06/23/00	0-0.5	(u)	**8**	**42**	159	<4	**99**	**29**	**10**	**321**	0.18	**391**	**911**	**0.19**	18	<0.8	**5**	<1	**9**	13	7268	---
	Duplicate 26	0-0.5	(u)	**10**	**51**	163	<4	**106**	**22**	**10**	**372**	0.14	**445**	**1100**	**0.54**	19	**1**	**6**	**4**	**10**	18	7541	---
		2-2.5	(u)	**2**	<5	101	<4	**22**	**16**	6	**18**	---	16	**392**	<0.05	12	<0.8	<0.5	<1	<5	18	864	---
(Boneyard)		5.5	(u)	**2**	<5	235	<4	4	12	<5	9	---	9	308	<0.05	8	<0.8	<0.5	<1	<5	25	159	---
		8.5	(u)	**2**	5	373	<4	2	11	<5	7	---	8	287	---	7	<0.8	<0.5	<1	<5	32	139	---
		10-11	(s)	**2**	<5	220	<4	2	8	<5	5	---	8	222	---	6	<0.8	<0.5	<1	<5	20	134	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-107	06/23/00	0-0.5	(u)	13	44	155	<4	99	18	7	346	0.11	685	812	0.24	12	2	13	<1	6	19	7579	---
	Duplicate 27	0-0.5	(u)	6	19	171	<4	109	12	8	184	0.04	350	764	0.58	10	2	6	4	7	16	6467	---
		2-2.5	(u)	2	<5	134	<4	1	12	5	14	---	13	331	<0.05	10	<0.8	<0.5	<1	<5	18	137	---
(Boneyard)		5.5	(u)	2	5	521	<4	<1	14	5	8	---	8	283	<0.05	9	<0.8	<0.5	1	7	45	45	---
		8.5	(u)	3	<5	275	<4	<1	10	<5	8	---	8	290	---	7	<0.8	<0.5	<1	<5	28	39	---
		10-11	(s)	2	<5	230	<4	<1	10	<5	10	---	7	246	---	6	<0.8	<0.5	<1	<5	22	35	---
B-108	06/20/00	0-0.5	(u)	4	12	296	<4	160	16	7	60	0.07	133	602	<0.05	12	<0.8	<0.5	1	17	22	6933	---
(storm sewer		2-2.5	(u)	2	6	209	<4	49	14	6	30	<0.04	52	420	<0.05	11	<0.8	<0.5	2	8	22	3234	---
system)		5.5	(u)	1	<5	384	<4	2	12	5	9	<0.04	11	308	<0.05	10	<0.8	<0.5	3	<5	29	143	---
		8.5	(u)	<0.8	<5	328	<4	<1	14	6	7	<0.04	10	355	<0.05	10	<0.8	<0.5	2	<5	32	53	---
		11.5	(u)	<0.8	<5	284	<4	<1	6	<5	<5	<0.04	5	218	<0.05	<5	<0.8	<0.5	2	<5	15	26	---
		14.5	(u)	<0.8	<5	68	<4	<1	91	13	<5	<0.04	<5	159	<0.05	43	<0.8	<0.5	<1	<5	6	25	---
		16.3-17	(s)	<0.8	<5	46	<4	<1	71	14	<5	<0.04	<5	142	<0.05	33	1	<0.5	1	<5	6	19	---
B-109	06/20/00	0-0.5	(u)	<0.8	<5	184	<4	240	66	18	16	<0.04	18	376	<0.05	36	<0.8	<0.5	2	<5	20	15900	---
(storm sewer		2-2.5	(u)	<0.8	<5	185	<4	4	12	5	10	<0.04	8	303	<0.05	10	<0.8	<0.5	2	<5	19	246	---
system)		5.5	(u)	<0.8	6	321	<4	<1	13	6	12	<0.04	9	401	<0.05	10	<0.8	3	1	<5	34	110	---
		8.5	(u)	<0.8	<5	125	<4	<1	11	<5	9	<0.04	7	269	<0.05	9	<0.8	<0.5	2	<5	16	37	---
	Duplicate 20	8.5	(u)	<0.8	<5	170	<4	<1	16	5	12	<0.04	8	228	<0.05	12	<0.8	<0.5	2	<5	16	40	---
		11.5	(u)	<0.8	<5	116	<4	<1	46	8	<5	<0.04	<5	271	<0.05	23	<0.8	<0.5	7	<5	10	56	---
		14-14.5	(s)	<0.8	<5	49	<4	<1	85	14	<5	<0.04	<5	112	<0.05	40	2	<0.5	3	<5	6	22	---
B-110	06/14/00	0-0.5	(u)	7	30	441	<4	109	60	16	443	<0.04	2150	727	0.24	45	2	19	2	25	20	8113	---
	Duplicate 8	0-0.5	(u)	22	104	444	7	374	82	52	1380	0.66	4214	1370	1.4	93	3	31	<1	58	14	27130	---
		2-2.5	(u)	<0.8	5	273	<4	1	22	<5	16	<0.04	25	280	<0.05	13	<0.8	2	7	<5	25	147	---
		5.5	(u)	<0.8	6	226	<4	<1	13	6	9	<0.04	13	372	<0.05	10	<0.8	1	5	<5	33	62	---
(storm sewer		8.5	(u)	<0.8	<5	212	<4	2	17	<5	16	<0.04	32	237	<0.05	10	<0.8	<0.5	2	<5	20	353	---
system)		11.5	(u)	<0.8	9	56	<4	<1	22	7	12	<0.04	11	436	<0.05	15	<0.8	<0.5	4	<5	43	81	---
		14.5	(u)	<0.8	11	267	<4	<1	18	10	11	<0.04	11	1480	<0.05	15	<0.8	<0.5	2	<5	37	57	---
		15.5-16	(s)	<0.8	<5	240	<4	<1	16	<5	5	<0.04	7	294	<0.05	9	<0.8	<0.5	2	<5	12	26	---
B-111	06/14/00	0-0.5	(u)	61	412	886	20	545	183	383	3785	2.2	11970	24850	3.7	288	6	73	<1	154	31	48330	---
	Duplicate 7	0-0.5	(u)	112	698	1329	18	696	215	291	5575	5.5	18730	37330	2.8	234	11	144	<1	234	43	78920	---
		2-2.5	(u)	6	24	207	<4	24	52	17	282	<0.04	1490	6229	0.47	34	<0.8	12	<1	10	23	12900	---
		5.5	(u)	2	10	384	<4	3	18	8	32	<0.04	70	1040	0.26	13	<0.8	<0.5	2	5	51	2250	---
(storm sewer		8.5	(u)	<0.8	<5	227	<4	<1	12	<5	12	<0.04	13	301	<0.05	9	<0.8	2	2	<5	40	88	---
system)		11.5	(u)	1	6	254	<4	<1	14	7	11	<0.04	13	354	<0.05	11	<0.8	<0.5	2	<5	31	61	---
		14.5	(u)	1	6	223	<4	<1	12	7	18	<0.04	34	430	<0.05	10	<0.8	1	2	<5	25	118	---
		17.5	(u)	2	7	269	<4	<1	16	9	15	<0.04	38	439	<0.05	13	<0.8	<0.5	2	<5	34	84	---
		20-20.5	(s)	2	9	371	<4	<1	18	9	25	<0.04	93	649	<0.05	14	1	3	2	<5	40	150	---

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Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-112	06/27/00	0-0.5	(u)	<0.8	<5	100	<4	4	**81**	5	15	<0.04	35	190	**0.16**	**36**	<0.8	**2**	<1	<5	8	584	---
(storm sewer		2-2.5	(u)	<0.8	<5	449	<4	<1	**17**	6	11	<0.04	9	**367**	<0.05	12	<0.8	<0.5	1	<5	**36**	55	---
system)		5.5	(u)	<0.8	<5	384	<4	<1	12	6	9	<0.04	10	321	<0.05	9	<0.8	<0.5	**2**	<5	34	71	---
	Duplicate 33	5.5	(u)	**1**	<5	370	<4	<1	**18**	7	9	<0.04	11	373	<0.05	**11**	<0.8	<0.5	**3**	<5	**47**	118	---
		8.5	(u)	<0.8	<5	311	<4	<1	12	6	9	<0.04	15	341	<0.05	9	<0.8	<0.5	1	<5	27	116	---
		11.5	(u)	<0.8	7	298	<4	<1	14	8	10	<0.04	11	420	<0.05	12	<0.8	<0.5	1	<5	32	58	---
		14.5	(u)	1	8	569	<4	<1	**15**	9	12	<0.04	13	**751**	<0.05	14	<0.8	<0.5	<1	<5	33	75	---
		17.5	(u)	**1**	7	**314**	<4	<1	**15**	7	10	<0.04	11	424	<0.05	13	<0.8	<0.5	<1	<5	29	57	---
		18.5-19	(s)	<0.8	<5	111	<4	<1	24	8	<5	<0.04	<5	171	<0.05	15	<0.8	<0.5	<1	<5	6	15	---
B-113	06/22/00	0-0.5	(u)	**19**	**415**	712	7	**1548**	**45**	**44**	**1670**	**0.75**	**2150**	**3080**	**0.5**	**107**	**2**	**11**	<1	**24**	20	32860	---
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.14*	*<0.1*	*2.1*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*14*	---
(storm sewer		2-2.5	(u)	**3**	6	125	<4	**411**	14	6	**26**	<0.04	20	**414**	<0.05	11	<0.8	<0.5	<1	<5	13	2825	---
system)		5.5	(u)	**3**	<5	329	<4	3	14	6	10	<0.04	10	378	<0.05	10	<0.8	<0.5	<1	<5	33	76	---
	Duplicate 24	5.5	(u)	**3**	<5	362	<4	2	**18**	7	12	<0.04	12	387	<0.05	11	<0.8	<0.5	**2**	<5	**37**	120	---
		8.5	(u)	**3**	<5	267	<4	1	13	7	7	<0.04	11	372	<0.05	11	<0.8	<0.5	6	<5	32	62	---
		11.5	(u)	**3**	7	438	<4	<1	11	8	9	<0.04	12	469	<0.05	11	<0.8	<0.5	4	<5	29	53	---
		14.5	(u)	**3**	8	189	<4	1	8	7	5	<0.04	10	**1679**	<0.05	5	<0.8	<0.5	<1	<5	16	37	---
		17.3-18	(s)	**2**	<5	145	<4	**480**	12	<5	6	<0.04	5	**962**	<0.05	7	<0.8	<0.5	<1	<5	11	1500	---
B-114	07/10/00	0-0.5	(u)	<0.8	<5	88	<4	9	11	**14**	21	<0.04	37	228	**8.1**	8	**1.4**	**1.3**	<1	<5	16	589	---
(storm sewer		2-2.5	(u)	**1.9**	11	208	<4	**94**	13	**10**	**82**	<0.04	**150**	**553**	**15**	**14**	**1.8**	**2.4**	**9**	<5	32	2170	---
system)		5.5	(u)	**1.1**	6	268	<4	5	12	6	**17**	<0.04	19	318	<0.05	10	0.8	<0.5	**3**	<5	33	320	---
		8.5	(u)	**1.2**	6	300	<4	3	10	6	10	<0.04	13	368	0.08	9	<0.8	<0.5	**2**	<5	30	144	---
		11.5	(u)	**0.9**	<5	257	<4	<1	9	5	7	<0.04	8	291	<0.05	7	<0.8	<0.5	**2**	<5	24	41	---
		14-14.5	(s)	**0.9**	<5	177	<4	<1	5	<5	<5	<0.04	<5	193	<0.05	<5	<0.8	<0.5	**2**	<5	14	24	---
B-115	06/26/00	0-0.5	(u)	<0.8	<5	147	<4	2	15	6	7	<0.04	9	273	<0.05	9	<0.8	<0.5	1	<5	21	358	---
(storm sewer		2-2.5	(u)	<0.8	<5	314	<4	<1	12	6	7	<0.04	9	277	<0.05	9	<0.8	<0.5	1	<5	26	85	---
system)		5.5	(u)	<0.8	5	360	<4	<1	14	6	7	<0.04	8	294	<0.05	9	<0.8	<0.5	1	<5	**41**	57	---
		8.5	(u)	<0.8	<5	200	<4	<1	**16**	7	8	<0.04	9	361	<0.05	13	<0.8	<0.5	<1	<5	35	53	---
		11.5	(u)	<0.8	<5	274	<4	<1	8	<5	6	<0.04	6	261	<0.05	6	<0.8	<0.5	<1	<5	20	32	---
		14-14.5	(s)	<0.8	<5	201	<4	<1	5	<5	<5	<0.04	6	327	<0.05	6	<0.8	<0.5	<1	<5	14	29	---
B-116	06/27/00	0-0.5	(u)	<0.8	<5	140	<4	6	18	6	8	<0.04	12	229	<0.05	11	<0.8	<0.5	<1	<5	**17**	178	---
(storm sewer		2-2.5	(u)	<0.8	<5	278	<4	<1	9	<5	6	<0.04	7	237	<0.05	7	<0.8	<0.5	**3**	<5	18	32	---
system)		5.5	(u)	1	6	435	<4	<1	13	5	9	<0.04	8	289	<0.05	9	<0.8	<0.5	**8**	<5	**47**	41	---
		8.5	(u)	<0.8	<5	301	<4	<1	**17**	8	8	<0.04	9	366	<0.05	12	<0.8	<0.5	**3**	<5	**39**	55	---
	Duplicate 31	8.5	(u)	**2**	<5	281	<4	1	**15**	8	9	<0.04	10	374	<0.05	11	<0.8	<0.5	**2**	<5	34	309	---
		11.5	(u)	**1**	8	320	<4	<1	**19**	**10**	11	<0.04	12	520	<0.05	14	<0.8	<0.5	**3**	<5	41	67	---
	Duplicate 32	11.5	(u)	**2**	7	288	<4	<1	**18**	8	10	<0.04	11	410	<0.05	13	<0.8	<0.5	7	<5	36	111	---
		14.5	(u)	<0.8	10	698	<4	<1	11	8	8	<0.04	9	**792**	<0.05	10	<0.8	<0.5	**2**	<5	25	40	---
		16.5-17	(s)	<0.8	<5	169	<4	<1	8	<5	<5	<0.04	5	183	<0.05	6	<0.8	<0.5	1	<5	15	22	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-117	06/23/00	0-0.5	(u)	**4**	<5	236	<4	9	**15**	<5	**41**	<0.04	100	153	<0.05	8	<0.8	**3**	<1	<5	22	731	---
	Duplicate 28	0-0.5	(u)	**3**	<5	274	<4	1	11	<5	8	<0.04	11	302	<0.05	7	<0.8	<0.5	**2**	<5	25	95	---
		2-2.5	(u)	**4**	7	219	<4	**35**	**19**	7	**46**	0.11	**73**	**450**	**0.19**	12	**2**	**1**	<1	<5	24	5054	---
		5.5	(u)	**3**	5	473	<4	<1	**19**	6	11	<0.04	12	333	<0.05	17	<0.8	<0.5	<1	<5	**44**	125	---
(storm sewer		8.5	(u)	**3**	6	374	<4	<1	**16**	7	8	<0.04	10	353	<0.05	10	<0.8	<0.5	<1	<5	**40**	57	---
system)		11.5	(u)	**3**	8	273	<4	<1	**18**	9	11	<0.04	12	511	<0.05	14	<0.8	<0.5	<1	<5	**39**	66	---
		14-15	(s)	**3**	<5	292	<4	<1	9	6	7	<0.04	9	334	<0.05	7	<0.8	<0.5	<1	<5	22	37	---
B-118	06/27/00	0-0.5	(u)	**3**	8	155	<4	**33**	**15**	7	**41**	<0.04	102	**556**	**0.63**	---	**2**	**1**	<1	6	15	3855	---
(waste pile)		2-2.5	(u)	**3**	5	508	<4	**9**	13	5	**19**	<0.04	42	**379**	0.06	---	<0.8	**1**	<1	<5	20	953	---
		5.5	(u)	**2**	<5	259	<4	1	12	6	8	<0.04	11	259	<0.05	---	<0.8	<0.5	<1	<5	26	86	---
		8.5	(u)	**2**	5	254	<4	4	12	<5	12	<0.04	16	432	<0.05	---	<0.8	<0.5	<1	<5	29	184	---
		11.5	(u)	**3**	7	311	<4	<1	**11**	7	12	<0.04	12	434	<0.05	---	<0.8	<0.5	<1	<5	25	57	---
		14.5	(u)	**3**	6	307	<4	<1	12	7	13	<0.04	12	**716**	<0.05	---	<0.8	<0.5	<1	<5	27	60	---
		17.5	(u)	**3**	7	122	<4	1	14	8	13	<0.04	14	500	<0.05	---	<0.8	<0.5	<1	<5	29	78	---
		18-18.5	(s)	**2**	<5	185	<4	<1	9	6	13	<0.04	9	205	<0.05	---	<0.8	<0.5	<1	<5	19	36	---
B-119	06/27/00	0-0.5	(u)	**2.9**	---	---	---	10	12	---	23	---	---	178	**0.12**	---	<0.8	**0.8**	---	---	---	784	---
(waste pile)		2-2.5	(u)	**2.9**	---	---	---	<1	---	---	11	---	---	321	<0.05	---	---	<0.5	---	---	---	40	---
		5.5	(u)	**2.9**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	105	---
		8.5	(u)	**3.9**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53	---
		11.5	(u)	**3.6**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		14.5	(u)	**3.4**	---	---	---	---	---	---	---	---	---	**798**	---	---	---	---	---	---	---	59	---
		17.5	(u)	**2.7**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	538	---
		19.7-20	(s)	**2.2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---
B-120	06/28/00	0-0.5	(u)	**1.7**	---	---	---	---	---	---	---	---	---	---	**0.28**	---	---	**1.2**	---	---	---	353	---
(waste pile)		2-2.5	(u)	**1.8**	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	42	---
		5.5	(u)	**2.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	55	---
		8.5	(u)	**2.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		11.5	(u)	**2.0**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45	---
		14.5	(u)	**1.1**	---	---	---	---	---	---	---	---	---	**683**	---	---	---	---	---	---	---	64	---
		17.5	(u)	**1.5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		20.3-21	(s)	**1.3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---
B-121	06/30/00	0-0.5	(u)	**4**	**18**	282	<4	**98**	**35**	8	**89**	<0.04	167	**691**	**8.8**	---	**18**	**5**	<1	**10**	29	6973	---
(waste pile)		2-2.5	(u)	**5**	<5	206	<4	**12**	**20**	9	**19**	<0.04	26	**563**	**0.21**	---	<0.8	<0.5	<1	<5	**42**	720	---
		5.5	(u)	**3**	<5	166	<4	**6**	**17**	6	14	<0.04	17	299	**0.15**	---	<0.8	<0.5	<1	<5	34	418	---
		8.5	(u)	**3**	<5	265	<4	3	14	8	14	<0.04	16	431	<0.05	---	<0.8	<0.5	<1	<5	29	224	---
	Duplicate 40	8.5	(u)	**4**	<5	266	<4	2	13	6	11	<0.04	12	284	<0.05	---	<0.8	<0.5	<1	<5	27	156	---
		11.5	(u)	**4**	6	326	<4	1	14	**12**	14	<0.04	17	**996**	<0.05	---	<0.8	<0.5	<1	<5	30	100	---
		14.5	(u)	**3**	8	397	<4	2	13	8	13	<0.04	15	548	<0.05	---	<0.8	<0.5	**7**	6	30	114	---
		17.5	(u)	**3**	9	48	<4	<1	13	7	13	<0.04	12	301	<0.05	---	<0.8	<0.5	**3**	<5	30	61	---
	Duplicate 41	17.5	(u)	**4**	8	43	<4	<1	14	8	14	<0.04	14	295	<0.05	---	<0.8	<0.5	<1	<5	30	68	---
		19.7-20	(s)	**3**	<5	192	<4	<1	14	5	9	<0.04	11	265	<0.05	---	<0.8	<0.5	<1	<5	25	65	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-122	06/30/00	0-0.5	(u)	4	<5	---	---	23	16	---	56	---	118	442	0.38	---	1	1	---	5	---	1560	---
(waste pile)		2-2.5	(u)	3	---	---	---	1	16	---	14	---	---	385	<0.05	---	---	---	---	---	18	71	---
		5.5	(u)	3	---	---	---	<1	17	---	---	---	---	---	<0.05	---	---	---	---	---	---	54	---
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		11.5	(u)	3	---	---	---	---	---	9	---	---	---	464	---	---	---	---	---	---	---	61	---
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	56	---
		17.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	62	---
		20.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47	---
		23-23.5	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	---
B-123	06/30/00	0-0.5	(u)	4	---	---	---	27	15	---	86	---	189	319	0.74	---	<0.8	1	---	---	---	1750	---
(waste pile)		2-2.5	(u)	3	---	---	---	---	14	---	---	---	---	407	<0.05	---	---	---	---	---	---	70	---
		5.5	(u)	3	---	---	---	---	17	---	---	---	---	---	<0.05	---	---	---	---	---	---	52	---
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		11.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	---
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61	---
		17.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52	---
		19.7-20	(s)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---
B-124	06/29/00	0-0.5	(u)	3	6	298	<4	24	16	6	22	<0.04	39	450	0.33	---	<0.8	<0.5	<1	<5	24	1500	---
(waste pile)		2-2.5	(u)	2	<5	294	<4	2	16	7	11	<0.04	12	432	<0.05	---	<0.8	<0.5	<1	<5	33	122	---
	Duplicate 37	2-2.5	(u)	<0.8	<5	310	<4	2	21	7	11	<0.04	11	408	<0.05	15	<0.8	<0.5	2	<5	41	141	---
		5.5	(u)	2	5	258	<4	2	9	5	7	<0.04	10	320	<0.05	---	<0.8	<0.5	<1	<5	24	132	---
	Duplicate 38	5.5	(u)	1	<5	288	<4	3	18	7	9	<0.04	11	369	<0.05	16	<0.8	<0.5	3	<5	37	210	---
		8.5	(u)	2	7	313	<4	<1	15	8	13	<0.04	13	507	<0.05	---	<0.8	<0.5	<1	<5	34	76	---
		11.5	(u)	3	6	309	<4	2	16	8	14	<0.04	14	390	<0.05	---	<0.8	<0.5	<1	<5	32	118	---
		14.5	(u)	2	<5	250	<4	<1	14	7	12	<0.04	10	485	<0.05	---	<0.8	<0.5	<1	<5	26	64	---
		17.5	(u)	2	7	204	<4	<1	15	7	15	<0.04	13	353	<0.05	---	<0.8	<0.5	<1	<5	31	62	---
		20.5	(u)	2	<5	455	<4	<1	13	7	15	<0.04	12	266	<0.05	---	<0.8	<0.5	6	<5	28	54	---
		23.5-24	(s)	2	<5	888	<4	<1	8	5	8	<0.04	8	221	<0.05	---	<0.8	<0.5	2	<5	18	36	---
B-125	06/29/00	0-0.5	(u)	2.4	---	---	---	6	16	---	---	---	---	437	0.19	---	---	---	---	---	---	508	---
(waste pile)		2-2.5	(u)	3.4	---	---	---	---	14	---	---	---	---	399	<0.05	---	---	---	1	---	41	68	---
		5.5	(u)	2.8	---	---	---	---	11	---	---	---	---	---	---	---	---	---	1	---	31	39	---
		8.5	(u)	3	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	61	---
		11.5	(u)	2.5	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	88	---
		14.5	(u)	1.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		17.5	(u)	1.9	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	58	---
		20.5	(u)	1.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	54	---
		23.5-24	(s)	1.8	---	178	---	---	---	---	---	---	---	---	---	---	---	---	9	---	---	49	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-126	06/29/00	0-0.5	(u)	**2.8**	---	---	---	---	**20**	---	---	---	---	**460**	**0.66**	---	---	---	---	---	---	1720	---
(waste pile)		2-2.5	(u)	**2.4**	---	---	---	---	---	---	---	---	---	**395**	<0.05	---	---	---	---	---	**42**	61	---
		5.5	(u)	**2.5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		8.5	(u)	**2.8**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56	---
		11.5	(u)	**2.1**	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	54	---
		14.5	(u)	**2.2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61	---
		17.5	(u)	**2.6**	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	51	---
		20.5	(u)	**2.6**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	59	---
		23.5-24	(s)	**3.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	51	---
B-127	06/28/00	0-0.5	(u)	**3**	13	325	<4	**55**	**15**	6	38	<0.04	82	**397**	**0.31**	---	**2**	1	<1	6	**41**	3193	---
(waste pile)		2-2.5	(u)	**2**	<5	350	<4	2	10	<5	8	<0.04	10	256	**0.31**	---	<0.8	<0.5	<1	<5	30	110	---
		5.5	(u)	**2**	7	272	<4	3	11	7	11	<0.04	13	437	<0.05	---	<0.8	<0.5	7	<5	29	172	---
		8.5	(u)	**3**	7	320	<4	2	12	7	12	<0.04	13	451	<0.05	---	<0.8	<0.5	1	<5	28	104	---
	Duplicate 35	8.5	(u)	**1**	7	307	<4	**18**	**20**	11	12	<0.04	13	528	<0.05	15	<0.8	<0.5	<1	<5	41	132	---
		11.5	(u)	**3**	6	261	<4	1	**17**	8	13	<0.04	12	794	<0.05	---	<0.8	<0.5	<1	<5	33	76	---
	Duplicate 36	11.5	(u)	**1**	6	255	<4	3	**15**	8	11	<0.04	11	777	<0.05	14	<0.8	<0.5	**8**	<5	30	73	---
		14.5	(u)	**3**	7	355	<4	<1	14	6	13	<0.04	11	274	<0.05	---	<0.8	<0.5	<1	<5	29	59	---
		17.2-18	(s)	**3**	<5	270	<4	<1	12	<5	10	<0.04	11	231	<0.05	---	<0.8	<0.5	<1	<5	20	41	---
B-128	06/28/00	0-0.5	(u)	**3.5**	---	---	---	**19**	**16**	---	---	---	---	**445**	**0.58**	---	**2.4**	**1.1**	---	---	16	1560	---
(waste pile)		2-2.5	(u)	**2.8**	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	49	---
		5.5	(u)	**2.5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	128	---
		8.5	(u)	**2.6**	---	---	---	<1	13	8	---	---	---	---	---	---	---	---	---	---	33	53	---
		11.5	(u)	**2.8**	---	---	---	---	14	---	---	---	---	453	---	---	---	---	1	---	---	58	---
		14.5	(u)	**2.2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---
		17.5	(u)	**3.5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	64	---
		20.5	(u)	**2.8**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47	---
		23.7-24	(s)	**2.4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45	---
B-129	06/29/00	0-0.5	(u)	**1.3**	---	---	---	**141**	**15**	---	---	---	---	**523**	**0.21**	---	**1.3**	**2.4**	---	---	---	5747	---
(waste pile)		2-2.5	(u)	**1.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	72	---
		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---
		8.5	(u)	**1.8**	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	47	---
		11.5	(u)	**2**	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	53	---
		14-14.5	(s)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---
B-130	06/16/00	0-0.5	(u)	**3**	<5	349	<4	5	**20**	<5	38	<0.04	52	242	0.07	11	<0.8	**2**	<1	<5	17	607	---
(Grain elevator)		2-2.5	(u)	<0.8	---	---	---	---	**16**	---	---	---	---	---	---	---	---	<0.5	---	---	---	47	---
		5.5	(u)	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	37	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13.7-14.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-131	06/16/00	0-0.5	(u)	**2**	5	448	<4	3	**141**	**10**	19	<0.04	22	127	0.19	**64**	<0.8	**2**	<1	<5	8	194	---
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	---	**30**	7	---	---	---	---	<0.05	15	---	<0.5	---	---	---	42	---
B-132	06/16/00	0-0.5	(u)	**3.8**	<5	263	<4	<1	13	6	15	0.08	15	**373**	<0.05	11	<0.8	<0.5	1	<5	20	90	---
	Duplicate 14	0-0.5	(u)	**3**	<5	310	<4	<1	**18**	6	13	0.04	14	**387**	<0.05	13	<0.8	<0.5	**2**	<5	26	81	---
		2-2.5	(u)	**2**	---	---	---	---	12	---	---	---	---	344	---	---	---	---	**9**	---	---	35	---
(Grain elevator)		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**4**	---	---	45	---
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	24	---
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**1**	---	---	24	---
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	20	---
		15.6-16	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	---
B-133	06/16/00	0-0.5	(u)	**3**	6	**856**	<4	2	**78**	7	27	<0.04	35	252	<0.05	**37**	<0.8	**1**	**2**	<5	23	250	---
(Grain elevator)		2-2.5	(s)	<0.8	---	486	---	---	**64**	---	---	---	---	---	---	**32**	---	**1**	**2**	---	---	16	---
B-134	06/16/00	0-0.5	(u)	**4**	<5	304	<4	1	**17**	<5	12	<0.04	26	235	<0.05	9	<0.8	**2**	**4**	<5	17	124	---
	Duplicate 13	0-0.5	(u)	**3**	<5	238	<4	3	**23**	<5	32	<0.04	77	183	**0.18**	12	<0.8	**1**	**2**	<5	17	241	---
		2-2.5	(u)	**2**	---	---	---	---	12	---	---	---	---	---	0.07[a]	---	---	**1**	<1	---	---	62	---
(Grain elevator)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	**2**	---	---	---	30	---
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.5	---	---	---	25	---
		11-12	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32	---
B-135	06/16/00	0-0.5	(u)	**4**	<5	**461**	<4	3	**18**	5	19	0.05	40	**345**	0.08	11	<0.8	**1**	<1	<5	21	286	---
(Grain elevator)		2-2.5	(u)	**1**	---	---	---	---	12	---	---	---	---	170	---	---	---	<0.5	---	---	---	226	---
		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	165	---
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---
		11.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	---
		13-14	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	---
B-136	06/16/00	0-0.5	(u)	**3**	<5	165	<4	3	**21**	<5	24	0.06	46	224	**0.19**	11	<0.8	**1**	<1	<5	13	250	---
	Duplicate 12	0-0.5	(u)	**2**	<5	149	<4	3	**27**	<5	16	<0.04	42	245	**2.5**	13	<0.8	**2**	<1	<5	13	254	---
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	---	**35**	---	---	---	---	---	**0.13**	---	---	**1**	---	---	---	2[illegible]3	---
B-137	06/16/00	0-0.5	(u)	**4**	5	286	<4	2	**28**	7	25	0.21	32	**418**	<0.05	17	<0.8	**1**	**7**	<5	35	208	---
(Grain elevator)		2-2.5	(u)	**2**	---	---	---	---	**55**	---	---	---	---	**460**	---	---	---	**1**	**2**	---	---	686	---
		5.5	(u)	**2**	---	---	---	---	**15**	---	---	---	---	287	---	---	---	<0.5	<1	---	---	[illegible]05	---
		8.5	(u)	**2**	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	36	---
		11-12	(s)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-138	06/16/00	0-0.5	(u)	3	7	376	<4	18	121	12	66	<0.04	164	204	0.87	57	2	3	<1	6	10	1750	---
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	<1	44	11	<5	---	<5	---	<0.05	21	<0.8	<0.5	---	---	---	14	---
B-139	06/16/00	0-0.5	(u)	1	<5	170	<4	<1	30	<5	5	<0.04	<5	151	<0.05	14	<0.8	3	<1	<5	7	45	---
(Grain elevator)		2-2.5	(u)	1	---	---	---	---	14	---	---	---	---	---	---	---	---	<0.5	---	---	---	48	---
		5.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	---
		8.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---
		11.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45	---
		14.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---
		17.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	---
		20.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53	---
		23.5-24	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-140	06/29/00	0-0.5	(u)	6	---	210	<4	38	15	6	---	<0.04	---	---	2.6	---	3	2	<4	12	17	---	---
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	*<0.05*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	9	30	248	<4	28	61	22	266	<0.04	371	---	2.2	---	3	2	<10	31	13	7989	---
	(SPLP)	*2-2.5*	*(u)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	---	---	---	---	---	---	---	---	*0.19*	---
		5-5.5	(s)	87	253	603	10	42	32	16	2350	<0.04	4212	10990	1.3	---	31	21	<10	516	16	74690	---
	(SPLP)	*5-5.5*	*(s)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	*0.47*	---	---	---	---	---	---	---	*0.27*	---
B-141	06/29/00	0-0.5	(u)	3	---	156	<4	---	16	5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<1	<5	12	---	---
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	---	623	<4	---	15	6	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<2	<5	25	---	---
	(SPLP)	*2-2.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		5-5.6	(u)	3	---	234	<4	2	11	<5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<2	<5	20	---	---
	(SPLP)	*5-5.6*	*(u)*	---	---	---	---	*<0.05*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8-8.5	(s)	2	9	86	<4	16	24	11	195	<0.04	12	787	0.068	---	<0.8	<0.5	<4	<5	6	---	---
	(SPLP)	*8-8.5*	*(s)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	*2.0*	---	---	---	---	---	---	---	---	---
B-142	06/29/00	0-0.5	(u)	2	---	151	<4	---	10	<5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	8	<5	10	---	---
	(SPLP)	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	---	229	<4	---	16	7	---	<0.04	---	---	<0.05	---	<0.8	<0.5	2	<5	28	---	---
	(SPLP)	2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		6-6.5	(s)	10	---	181	<4	97	21	10	---	0.08	---	---	0.74	---	11	11	<40	38	6	---	---
	(SPLP)	6-6.5	(s)	---	---	---	---	*0.15*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-143	06/29/00	0-0.5	(u)	28	---	480	6	---	48	46	---	0.3	---	---	1.9	---	6	35	<20	50	7	---	---
	Duplicate 39	0-0.5	(u)	15	56	241	5	447	23	53	626	0.13	1070	14270	0.31	41	1	15	<1	42	9	44310	---
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	<5	181	<4	---	25	6	---	<0.04	---	---	0.052	---	<0.8	<0.5	<1	<5	21	---	---
	(SPLP)	*2-2.5*	*(u)*	---	*<0.10*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		5-5.5	(u)	3	---	117	<4	9	18	7	20	<0.04	---	---	0.28	---	<0.8	<0.5	<15	<5	14	1400	---
	(SPLP)	*5-5.5*	*(u)*	---	---	---	---	*<0.05*	---	---	*<0.10*	---	---	---	---	---	---	---	---	---	---	*0.16*	---
		6-6.5	(s)	3	---	58	<4	209	19	38	14	<0.04	---	15240	0.2	---	4	4	<5	<5	8	34500	---
	(SPLP)	*6-6.5*	*(s)*	---	---	---	---	*0.062*	---	---	*<0.10*	---	---	*28*	---	---	---	---	---	---	---	*[illegible]*	---

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Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-144	07/11/00	0-0.5	(u)	1	7	303	<4	4	16	8	23	<0.04	55	472	0.072	12	<0.8	<0.5	<5	<5	29	[illegible]	---
(O1 landfill)		2-2.5	(u)	1	5	289	<4	2	13	<5	21	<0.04	53	286	<0.05	9	<0.8	1	<1	<5	25	159	---
(stepout borings)		5.2-6	(s)	1	<5	211	<4	3	16	5	20	<0.04	23	180	<0.05	13	<0.8	<0.5	4	<5	36	203	---
	Duplicate 46	5.2-6	(s)	1	6	309	<4	4	15	6	34	<0.04	29	205	<0.05	12	<0.8	<0.5	2	<5	34	323	---
B-145	07/11/00	0-0.5	(u)	1	---	---	---	---	15	---	---	---	---	357	---	---	---	---	<5	---	---	654	---
(O1 landfill)		2-2.5	(u)	1	---	---	---	---	---	---	43	---	---	---	---	---	---	4	---	---	---	508	---
(stepout borings)		5.2-6	(s)	3	---	---	---	---	15	---	351	---	---	---	---	---	---	---	<5	---	15	7965	---
B-146	07/11/00	0-0.5	(u)	1	---	---	---	---	12	---	---	---	---	349	---	---	---	---	<1	---	---	394	---
(O1 landfill)		2-2.5	(u)	1	---	---	---	---	---	---	83	---	---	---	---	---	---	9	---	---	---	2030	---
(stepout borings)		5.2-6	(s)	1	---	---	---	---	15	---	57	---	---	---	---	---	---	---	<5	---	---	1010	---
B-147	07/11/00	0-0.5	(u)	1	14	198	<4	10	21	6	174	<0.04	94	664	0.22	11	1	2	<5	<5	24	754	---
(O1 landfill)		2-2.5	(u)	1	12	292	<4	17	17	5	103	<0.04	292	569	2	12	10	2	<5	75	19	1230	---
(stepout borings)		3.7-4	(s)	4	33	148	<4	78	11	<5	362	<0.04	831	549	363	10	641	46	<5	5	12	9900	---
B-148	07/11/00	0-0.5	(u)	<0.8	---	---	---	---	13	---	42	---	---	510	0.41[a]	---	<0.8	1	<5	---	---	337	---
(O1 landfill)		2-2.5	(u)	2	24	---	---	69	13	---	218	---	219	1270	13[a]	---	18	4	<5	8	---	4594	---
(stepout borings)		5-5.5	(s)	<0.8	11	---	---	18	---	---	50	---	105	---	34[a]	---	35	3	<5	---	---	3000	---
B-149	07/11/00	0-0.5	(u)	---	---	---	---	---	---	---	42	---	---	351	0.096[a]	---	---	2	<5	---	---	326	---
(O1 landfill)		2-2.5	(u)	<0.8	5	---	---	10	---	---	14	---	23	216	0.64[a]	---	2	<0.5	<5	<5	---	272	---
(stepout borings)		5-5.5	(s)	---	<5	---	---	2	---	---	10	---	11	---	0.37[a]	---	<0.8	<0.5	<1	---	---	76	---
B-150	11/05/01	0-0.5	(u)	<0.8	<5.0	87	<4.0	6.6	7.6	<5.0	20	<0.05	19	195	0.07	6.4	<0.8	<0.5	<1	<5.0	14	268	---
	Duplicate B-150	0-0.5	(u)	<0.8	7	192	4	23	11	7.5	50	0.08	51	368	0.41	9.4	0.89	0.7	<1	6	17	909	---
(O1 landfill)		2-2.5	(u)	<0.8	5.9	236	6.9	28	18	12	29	<0.05	38	951	0.8	15	<0.8	<0.5	<1	5.5	35	791	---
(stepout borings)		2.5-3	(s)	3.1	39	753	12	443	13	92	386	0.18	1390	9498	56	45	28	17	<1	11	21	23820	---
B-151	11/05/01	0-0.5	(u)	---	---	---	---	87	---	---	153	---	---	---	1.6	---	---	4.7	---	---	---	4341	---
(O1 landfill)		1.5-2	(s)	0.91	48	526	10	281	23	76	612	---	531	2176	5.1	39	4.3	15	---	34	---	12140	---
(stepout borings)																							
B-152	11/05/01	0-0.5	(u)	---	---	---	---	171	---	---	464	---	---	---	0.25	---	---	20	---	---	---	27200	---
(O1 landfill)		1.5-2	(s)	<0.8	<5.0	---	<4.0	1.5	12	<5.0	8.8	---	18	225	<0.05	8	<0.8	<0.5	---	5.5	---	192	---
(stepout borings)																							

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-153	07/10/00	0-0.5	(u)	0.9	<5	625	<4	7	9	<5	15	<0.04	11	259	<0.05	6	1.1	0.6	<1	<5	18	184	---
(O1 landfill)		2-2.5	(u)	3.3	26	293	<4	39	13	6	245	<0.04	283	803	1.5	10	2.6	2.8	<5	7	24	3126	---
(stepout borings)		5.5-6	(s)	11.6	82	313	<4	253	18	66	2584	0.11	1040	7285	23	56	2.9	9.2	<5	29	21	17320	---
	Duplicate 42	5.5-6	(s)	32	165	280	6	153	31	51	5872	0.17	1570	5084	7.5	68	7	11	<1	45	14	19580	---
B-154	07/10/00	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	2.7	3.5	---	---	---	618	---
(O1 landfill)		2-2.5	(u)	3.1	12	---	---	13	---	---	163	---	411	562	2.3	---	23.5	3.3	<5	---	---	2470	---
(stepout borings)		4.7-5.5	(s)	95.9	86	---	<4	15	30	8	796	---	2920	4915	7.5	10	11.3	7.6	<5	526	---	34140	---
B-155	07/10/00	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	3.2	3.1	---	---	---	4350	---
(O1 landfill)		2-2.5	(u)	<0.8	11	---	---	4	---	---	323	---	1890	705	8.7	---	50.2	4.5	2	---	---	382	---
(stepout borings)		3-3.5	(s)	<1.5	<5	---	---	1	---	---	12	---	28	134	0.16	---	1.2	<0.5	8	<5	---	300	---
B-156	07/10/00	0-0.5	(u)	2.8	30	182	<4	23	13	8	520	<0.04	157	487	0.1	12	1	2.3	<5	<5	22	2200	---
		2.3-3	(s)	<0.8	<5	99	<4	1	15	6	8	<0.04	6	191	<0.05	8	1.3	<0.5	<5	<5	7	51	---
	Duplicate 43	2.3-3	(s)	2	<5	68	<4	2	18	8	27	<0.04	9	86	<0.05	9	<0.8	<0.5	4	<5	<5	98	---
(east/west lagoons)																							
(stepout borings)																							
B-157	07/10/00	0-0.5	(u)	<0.8	5	---	---	2	---	---	25	---	57	291	0.51	---	<0.8	<0.5	4	---	---	285	---
(east/west lagoons)		2.3-3	(s)	0.9	---	---	---	---	---	---	<5	---	---	---	---	---	0.9	---	<5	---	---	35	---
(stepout borings)																							
B-158	07/10/00	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	4.5	---	---	---	<5	---	---	5255	---
(east/west lagoons)		2.3-3	(s)	0.8	---	---	---	---	---	---	---	---	---	---	---	---	1	---	<5	---	---	58	---
(stepout borings)																							
B-159	07/11/00	0-0.5	(u)	3	21	285	<4	35	17	6	169	<0.04	250	558	4	11	2	3	<5	13	18	3762	---
		2-2.5	(s)	1	<5	255	<4	1	28	7	8	<0.04	13	110	0.27	16	<0.8	<0.5	<5	<5	15	129	---
	Duplicate 45	2-2.5	(s)	<0.8	<5	135	<4	2	38	8	8	<0.04	13	83	<0.05	20	1	<0.5	<5	<5	13	107	---
(east/west lagoons)																							
(stepout borings)																							
B-160	07/11/00	0-0.5	(u)	3	11	---	---	94	14	---	315	---	787	423	39[a]	---	168	14	<5	7	---	4379	---
(east/west lagoons)		2-2.5	(s)	<0.8	---	---	---	---	12	---	---	---	---	---	1.2[a]	---	21	---	<5	---	---	980	---
(stepout borings)																							
B-161	07/11/00	0-0.5	(u)	19	---	---	---	166	---	---	1640	---	9746	442	213[a]	---	1620	211	<5	---	---	4993	---
(east/west lagoons)		2-2.5	(s)	---	---	---	---	---	---	---	---	---	---	---	2.5[a]	---	363	---	<5	---	---	1150	---
(stepout borings)																							

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-162	11/05/01	0-0.5	(u)	0.82	23	580	7.3	74	18	10	135	<0.05	349	470	0.56	15	1	5	<1	15	35	6653	---
(east/west lagoons)		1-1.2	(s)	<0.8	11	653	5.4	23	14	7.3	32	<0.05	135	345	0.75	11	<0.8	1.3	<1	8	37	1495	---
(stepout borings)																							
B-163	11/05/01	0-0.5	(u)	<0.8	9.3	---	<4.0	19	11	7.8	31	---	100	762	0.07	---	<0.8	0.81	---	7.1	---	1178	---
(east/west lagoons)		1-1.2	(s)	---	12	---	<4.0	31	---	---	59	---	136	---	0.32	---	---	2.8	---	7.2	27	2091	---
(stepout borings)																							
B-164	11/05/01	0-0.5	(u)	---	---	---	---	262	---	---	---	---	---	710	---	---	---	11	---	---	---	10740	---
(east/west lagoons)		1-1.2	(s)	---	6.4	---	---	20	---	---	24	---	57	---	0.09	---	---	0.52	---	---	---	769	---
(stepout borings)																							
B-165	11/05/01	0-0.5	(u)	1.3	32	269	8	55	15	7.4	337	<0.05	260	742	2.9	10	3.7	2.2	<1	15	25	6764	---
Duplicate B-165		0-0.5	(u)	0.96	31	295	8.6	45	14	7.6	248	<0.05	248	766	3.2	11	3.5	1.8	<1	13	26	5304	---
(east/west lagoons)		2-2.5	(s)	<0.8	8.9	256	7.9	1.4	18	8.9	21	<0.05	17	431	<0.05	14	<0.8	<0.5	<1	6	43	137	---
(stepout borings)																							
B-166	11/05/01	0-0.5	(u)	1.3	22	---	7.2	29	13	---	170	---	285	559	1.4	---	1.6	2.2	---	14	---	2621	---
(east/west lagoons)		2-2.3	(s)	---	---	---	6.4	---	18	---	353	---	---	---	---	---	---	---	---	---	21	3173	---
(stepout borings)																							
B-167	11/05/01	0-0.5	(u)	2.2	39	---	7.9	120	---	---	220	---	634	937	1.2	---	1	7.1	---	33	---	11010	---
(east/west lagoons)		2-2.3	(s)	---	---	---	6.7	---	14	---	144	---	---	---	---	---	---	---	---	---	---	10260	---
(stepout borings)																							
B-168	11/05/01	0-0.5	(u)	<0.8	<5	75	11	5.5	12	7.7	57	<0.05	44	257	<0.05	9.7	<0.8	<0.5	<1	6.5	11	388	---
(east/west lagoons)		2-2.5	(u)	<0.8	27	273	8.4	6.3	18	8.6	34	0.09	40	448	<0.05	15	<0.8	0.960	<1	6.1	40	492	---
(stepout borings)		2.5-3.1	(s)	<0.8	16	344	11	4.4	21	8.8	110	<0.05	58	387	0.09	15	<0.8	<0.5	<1	8.8	46	653	---
B-169	11/05/01	0-0.5	(u)	---	---	---	<4.0	---	---	---	19	---	---	---	---	---	---	---	---	---	---	953	---
(east/west lagoons)		1-1.5	(s)	---	16	---	<4.0	29	13	---	60	---	173	1091	---	---	---	5.8	---	13	21	2677	---
(stepout borings)																							
B-170	11/05/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3349	---
(east/west lagoons)		2-2.5	(u)	---	8.2	---	---	5.9	---	---	57	---	68	326	---	---	---	<0.5	---	8.5	---	935	---
(stepout borings)		2.7-3	(s)	---	8.9	---	---	8.8	---	---	19	---	48	451	---	---	---	<0.5	---	6.4	---	781	---

ARCADIS GERAGHTY & MILLER

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-171	11/05/01	0-0.5	(u)	<0.8	9.1	283	**11**	3.4	**20**	8.5	**46**	<0.05	57	**480**	0.07	14	<0.8	<0.5	<1	**8.6**	**40**	496	---
(east/west lagoons)		2-2.5	(u)	<0.8	7.2	277	**10**	<1.0	**22**	9	11	<0.05	13	**569**	<0.05	15	<0.8	<0.5	<1	5.6	**46**	67	---
(stepout borings)		3.8-4.2	(s)	<0.8	8.5	280	**12**	<1.0	**20**	8.8	16	<0.05	18	448	<0.05	14	<0.8	<0.5	<1	5.7	**45**	108	---
B-172	11/05/01	0-0.5	(u)	---	---	---	**6.3**	---	**23**	---	**155**	---	---	**679**	---	---	---	---	---	**15**	20	3096	---
(east/west lagoons)		1.8-2.3	(s)	---	---	---	**10**	---	**21**	---	---	---	---	**796**	---	---	---	---	---	---	25	4305	---
(stepout borings)																							
B-173	11/05/01	0-0.5	(u)	---	---	---	**6.3**	---	13	---	**64**	---	---	**476**	---	---	---	---	---	**22**	---	3234	---
(east/west lagoons)		2-2.5	(u)	---	---	---	**6.7**	---	14	---	---	---	---	**373**	---	---	---	---	---	---	---	233	---
(stepout borings)		2.8-3	(s)	---	---	---	**5.4**	---	12	---	---	---	---	**1279**	---	---	---	---	---	---	---	2195	---
B-174 through B-179 (see Background)																							
B-180	11/07/01	0-0.5	(u)	---	---	---	---	---	**16**	5.3	---	---	---	---	---	11	---	---	---	---	---	---	---
(Old Casting Building)																							
(Step out from B-59)																							
B-181	11/07/01	0-0.5	(u)	---	---	---	---	---	8.3	5.6	---	---	---	---	---	5.2	---	---	---	---	---	---	---
(Old Casting Building)																							
(Step out from B-180)																							
B-182	11/06/01	0-0.5	(u)	---	---	---	4.7	<1.0	14	---	9.9	---	---	309	<0.05	---	---	<0.5	---	<5	---	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	**17**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-67)																							
B-183	11/06/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	**16**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-182)																							
B-184	11/06/01	0-0.5	(u)	**571**	---	---	---	---	---	---	---	---	---	**9576**	---	---	---	---	---	---	---	---	---
Duplicate B-184		0-0.5	(u)	**606**	---	---	---	---	---	---	---	---	---	**10340**	---	---	---	---	---	---	---	---	---
(Numbered Bins)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	323	---	---	---	---	---	---	---	---	---
(Step out from B-55)																							
B-185	11/06/01	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	265	---	---	---	---	---	---	---	---	---
(Numbered Bins)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	204	---	---	---	---	---	---	---	---	---
(Step out from B-184)																							

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-186	11/06/01	0-0.5	(u)	<0.8	---	---	---	1.7	<5	---	14	---	7.6	---	<0.05	---	<0.8	<0.5	---	---	---	---	---
(Building No. 3)		2-2.5	(u)	<0.8	---	---	---	<1	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-94)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.7-12.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-187	11/06/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Building No. 3)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-186)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.7-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-188	11/06/01	0-0.5	(u)	**7**	**80**	---	<5	**126**	**945**	**12**	**451**	0.09	**1758**	**427**	**4.36**	---	**6.7**	**17**	<1	**28**	28	---	---
Duplicate B-188		0-0.5	(u)	**8.6**	**113**	---	<5	**156**	**1202**	**15**	**574**	0.16	**2745**	**544**	**3.24**	---	**7.6**	**21**	<1	40	27	---	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	**244**	**37**	---	**29**	---	---	**1207**	---	---	---	---	---	---	---	---	---
(Step out from B-105)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-189	11/06/01	0-0.5	(u)	**19**	**170**	---	---	**371**	**18**	**10**	**687**	---	**3510**	**1008**	**1.69**	---	7.3	**73**	---	**76**	---	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	<1	12	---	13	---	---	**387**	---	---	---	---	---	---	---	---	---
(Step out from B-188)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-190	11/07/01	0-0.5	(u)	<0.8	5.3	---	<5	**292**	14	7.2	19	0.07	61	**621**	<0.05	---	<0.8	<0.5	<1	6.1	19	---	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	**90**	14	---	14	---	---	**438**	---	---	---	---	---	---	---	---	---
(Step out from B-107)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-191	11/07/01	0-0.5	(u)	---	---	---	---	**149**	---	---	---	---	---	**454**	---	---	---	---	---	---	---	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	**5**	---	---	---	---	---	**397**	---	---	---	---	---	---	---	---	---
(Step out from B-190)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ARCADIS GERAGHTY & MILLER

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-192	11/07/01	0-0.5	(u)	<0.8	**12**	---	<5	**94**	11	6.1	**60**	0.08	**110**	**537**	**0.43**	---	<0.8	**1.6**	<1	5.7	13	---	---
Duplicate B-192		0-0.5	(u)	<0.8	9.9	---	<5	**99**	11	6.1	**46**	<0.05	**62**	**585**	**0.21**	---	<0.8	**1.1**	<1	5.2	14	---	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	**24**	12	---	16	---	---	305	---	---	---	---	---	---	---	---	---
(Step out from B-106)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-193	11/07/01	0-0.5	(u)	---	---	---	---	**73**	---	---	**142**	---	**270**	**596**	**4.13**	---	---	**3.7**	---	---	---	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	1.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-192)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-194	11/08/01	0-0.5	(u)	<0.8	<5	513	4.7	3.8	14	**13**	12	---	8.6	208	---	---	---	<0.5	---	---	32	---	---
(Building C)		2-2.5	(u)	<0.8	---	321	---	---	---	---	---	---	---	272	---	---	---	---	---	---	---	---	---
(Step out from B-33)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-195	11/07/01	0-0.5	(u)	---	---	---	---	---	---	**26**	---	---	---	---	---	---	---	---	---	---	---	---	---
Duplicate B-195		0-0.5	(u)	---	---	---	---	---	---	**22**	---	---	---	---	---	---	---	---	---	---	---	---	---
(Building C)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-194)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-196	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	---	---	---	<0.5	---	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-139)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-197	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	**440**	---	---	---	---	<1	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---	---
(step out from B-132)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		15-16	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
B-198	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	<0.5	---	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-130)																							
B-199	11/08/01	0-0.5	(u)	<0.8	---	---	---	12	9.1	7.1	38	---	49	---	**0.24**	7.9	<0.8	**0.57**	---	---	---	---	---
	Duplicate	0-0.5	(u)	<0.8	---	---	---	12	8.3	5.9	33	---	45	---	**0.21**	7.2	<0.8	**0.67**	---	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	<5	9.5	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-138)																							
B-200	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	8.7	**9.9**	---	---	---	---	0.05	7	---	<0.5	---	---	---	---	---
(Grain Elev.)																							
(step out from B-131)																							
B-201	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	8.2	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---	---
(step out from B-136)																							
B-202	11/08/01	0-0.5	(u)	<0.8	---	136	---	---	18	---	---	---	---	---	---	9.4	---	<0.5	<1	---	<5	---	---
(Grain Elev.)		2-2.5	(s)	---	---	**620**	---	---	20	---	---	---	---	---	---	11	---	<0.5	<1	---	---	---	---
(step out from B-133)																							
B-203	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	<0.05	---	---	<0.5	<1	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---	---
(step out from B-134)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	0.54	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11-12	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-204	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**20**	---	---	---	---	**365**	---	---	---	<0.5	---	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-135)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-205	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	13	---	---	---	---	**407**	---	---	---	<0.5	<1	---	---	---	---
	Duplicate B-205	0-0.5	(u)	<0.8	---	---	---	---	13	---	---	---	---	**431**	---	---	---	<0.5	<1	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	315	---	---	---	<0.5	<1	---	---	---	---
(step out from B-137)		5.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
Field Quality Control Samples																							
Identification	Sample Date																						
Field Blank	6/13/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/14/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/15/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/16/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/19/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/20/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/21/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/22/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/23/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.092	<0.05	<0.05	---
Field Blank	6/26/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/27/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.083	<0.05	<0.05	---
Field Blank	6/28/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	6/29/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.07	<0.05	<0.05	---
Field Blank	6/30/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.08	<0.05	<0.05	---
Field Blank	7/10/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Field Blank	7/11/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.07	<0.05	<0.05	---
Field Blank	1/15/01			---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Field Blank	1/16/01			---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Field Blank	1/17/01			---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Field Blank	11/6/01			---	---	---	<0.05	<0.01	<0.01	---	<0.05	---	---	<0.015	<0.0005	---	---	<0.005	---	<0.05	---	---	---
Field Blank	11/8/01			<0.05	---	---	---	<0.01	<0.01	<0.05	<0.05	---	<0.05	---	<0.0005	<0.05	<0.01	<0.005	---	---	---	---	---
Field Blank-2	11/8/01			<0.05	---	---	---	---	<0.01	---	---	---	---	<0.015	---	---	---	<0.005	<0.002	---	---	---	---
Equipment 1	6/12/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	---	<0.02	<0.015	---	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 2	6/12/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	---	<0.02	<0.015	---	<0.05	0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 3	6/12/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	---	<0.02	<0.015	---	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 4	6/13/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 5	6/13/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 6	6/13/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.05	---
Equipment 7	6/14/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.05	---
Equipment 8	6/14/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.05	---
Equipment 9	6/15/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.24	---
Equipment 10	6/15/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 11	6/15/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 12	6/16/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 13	6/16/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 14	6/16/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 15	6/19/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 16	6/19/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 17	6/19/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 18	6/20/00			<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---

Table 1. Analytical Results Summary - Soil (mg/kg) Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc	pH
Equipment 19		6/20/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 20		6/20/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 21		6/21/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 22		6/21/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 23		6/22/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 24		6/22/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 25		6/23/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.11	<0.05	<0.05	---
Equipment 26		6/23/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.11	<0.05	<0.05	---
Equipment 27		6/23/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.097	<0.05	<0.05	---
Equipment 28		6/23/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.081	<0.05	<0.05	---
Equipment 29		6/26/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 30		6/26/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05	---
Equipment 31		6/27/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.08	<0.05	<0.05	---
Equipment 32		6/27/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.078	<0.05	<0.05	---
Equipment 33		6/27/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.082	<0.05	<0.05	---
Equipment 34		6/28/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.07	<0.05	<0.05	---
Equipment 35		6/28/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.07	<0.05	<0.05	---
Equipment 36		6/28/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.08	<0.05	<0.05	---
Equipment 37		6/29/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.05	<0.05	<0.05	---
Equipment 38		6/29/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.06	<0.05	<0.05	---
Equipment 39		6/29/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	0.06	<0.05	<0.05	---
Equipment 40		6/30/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.05	---
Equipment 41		6/30/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.05	---
Equipment 42		7/10/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	0.1	<0.05	0.05	---
Equipment 43		7/10/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	0.1	<0.05	0.05	---
Equipment 44		7/10/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	0.09	<0.05	0.05	---
Equipment 45		7/11/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	0.06	<0.05	0.05	---
Equipment 46		7/11/00		<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	0.0006	<0.05	<0.01	<0.005	<0.002	0.05	<0.05	0.05	---
Equipment 48		1/15/01		---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Equipment 49		1/16/01		---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Equipment 50		1/17/01		---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Equipment 51		1/17/01		---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Equipment 52		1/17/01		---	---	---	---	---	---	---	---	<0.008	---	---	<0.0005	---	---	---	---	---	---	---	---
Equipment Blank		11/6/01		---	---	---	<0.05	<0.01	<0.01	---	<0.05	---	---	<0.015	<0.0005	---	---	<0.005	---	<0.05	---	---	---
Equipment Blank		11/8/01		<0.05	---	---	---	<0.01	<0.01	<0.05	<0.05	---	<0.05	---	<0.0005	<0.05	<0.01	<0.005	---	---	---	---	---
Equipment Blank-2		11/8/01		<0.05	---	---	---	---	<0.01	---	---	---	---	<0.015	---	---	---	<0.005	<0.002	---	---	---	---

(u) Unsaturated soil sample.

(s) Saturated soil sample.

(dup) Duplicate soil sample.

(SPLP) Synthetic Precipitation Leaching Procedure - analytical results shown in *italics*.

* Surface soil sample adjacent to previously constructed background soil boring.

a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.

Notes: (1) Numbers in **bold** exceed TNRCC-approved background concentrations established for the site.

(2) Request for bismuth MSC submitted to TNRCC via e-mail on June 12, 2002. TNRCC response to request for bismuth MSC is pending.

na or --- - Not Analyzed

ARCADIS GERAGHTY & MILLER

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Fill/Alluvium Upgradient Monitor Wells																					
MW-3	01/30/86	---	---	0.007	---	---	---	---	---	0.01	---	<0.001	---	---	---	---	---	---	---	---	0.06
	01/30/87	---	---	0.009	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.02
	02/01/88	---	---	0.014	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	01/27/89	---	---	0.012	---	---	---	---	---	<0.01	---	0.003	---	---	---	---	---	---	---	---	0.06
	01/23/90	---	---	0.010	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.03
	01/09/91	---	---	0.006	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.03
	01/17/92	---	---	0.015	---	---	---	---	---	0.03	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	02/14/94	---	---	0.014	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.01
	01/30/95	---	---	0.013	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.03
	02/20/98	11,200*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	14,800**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/99	---	---	0.016	0.037	---	<0.01	<0.01	---	---	---	0.007	1.8	<0.0005	---	0.007	<0.005	---	---	---	---
	10/20/99	---	---	0.016	0.037	---	<0.01	<0.01	---	---	---	<0.01	2.5	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	0.011	0.043	---	0.008	<0.01	---	---	---	<0.02	1.3	<0.0005	---	0.012	<0.005	---	---	---	---
(dup-1)	01/27/00	---	---	0.008	0.051	---	0.005	<0.01	---	---	---	0.02	2.4	<0.0005	---	<0.01	<0.005	---	---	---	---
	04/25/00	14,870	---	0.016	0.043	---	<0.005	<0.01	---	---	---	0.009	1.8	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.7	---	<0.05	<0.01	---	<0.002	<0.05	0.065	0.18
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.8	---	<0.05	0.015	---	<0.002	<0.05	0.063	0.073
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	3.1	---	<0.05	0.015	---	<0.002	<0.05	0.066	0.12
	12/11/00	---	---	0.016	<0.05	---	<0.01	<0.01	---	---	---	<0.02	2.3	<0.0005	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	0.016	<0.05	---	<0.01	0.028	---	---	---	<0.02	1.4	<0.0005	---	0.012	<0.005	---	---	---	---
	12/12/01	---	---	0.015	0.036	---	<0.01	<0.01	---	---	---	<0.01	1.6	<0.0005	---	<0.01	<0.005	---	---	---	---
MW-10	04/29/99	9,238	---	0.026	0.55	---	0.018	0.08	---	---	---	0.11	1.9	0.00058	---	0.25	<0.005	---	---	---	---
	07/23/99	---	---	0.016	0.15	---	<0.01	0.028	---	---	---	0.03	1.2	<0.0005	---	0.16	<0.005	---	---	---	---
	10/20/99	---	---	0.025	0.074	---	<0.01	<0.01	---	---	---	0.013	6.6	0.00057	---	0.049	<0.005	---	---	---	---
	01/27/00	---	---	0.007	0.14	---	<0.01	0.021	---	---	---	0.032	3.6	<0.0005	---	0.12	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.9	---	<0.05	0.14	---	<0.002	<0.05	<0.05	0.62
	07/28/00	---	0.087	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.0	---	<0.05	0.22	---	<0.002	<0.05	<0.05	0.11
	08/17/00	---	<0.05	---	---	<0.05	---	0.02	<0.05	<0.05	<0.004	---	0.9	---	<0.05	0.21	---	<0.002	<0.05	0.056	0.36
	12/11/00	---	---	0.013	0.078	---	<0.01	<0.01	---	---	---	<0.02	0.34	<0.0005	---	0.17	<0.01	---	---	---	---
	06/14/01	---	---	0.03	0.054	---	0.01	<0.01	---	---	---	<0.02	1.1	<0.0005	---	0.28	<0.005	---	---	---	---
	12/12/01	---	---	0.02	0.028	---	<0.01	<0.01	---	---	---	<0.01	2.3	<0.0005	---	0.045	<0.005	---	---	---	---
Background Mean (x)[a]:			0.035	0.0157	0.125	0.05	0.0065	0.0177	0.05	0.05	0.004	0.0262	2.57	0.00032	0.05	0.068	0.0025	0.002	0.05	0.05	0.240
Background Standard Deviation (S):			0.025	0.0066	0.165	0	0.0045	0.0249	0	0	0	0.0329	1.68	0.00014	0	0.089	0	0	0	0.02	0.210
Background Upper Tolerance Interval (x = KS)[b]:			0.127[d]	0.036[c]	0.62[c]	0.05[d]	0.02[c]	0.093[c]	0.05[d]	0.05[d]	0.004[d]	0.126[c]	7.6[c]	0.0007[c]	0.05[d]	0.34[c]	0.0025[c]	0.002[d]	0.05[d]	0.12[d]	1.02[d]

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Fill/Alluvium Downgradient Wells																					
MW-2	01/30/86	---	---	0.011	---	---	---	---	---	0.01	---	0.006	---	---	---	---	---	---	---	---	0.00
	01/30/87	---	---	0.002	---	---	---	---	---	<0.01	---	0.005	---	---	---	---	---	---	---	---	0.03
	02/01/88	---	---	0.001	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	0.02
	01/27/89	---	---	0.002	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.003	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/09/91	---	---	0.004	---	---	---	---	---	<0.01	---	0.006	---	---	---	---	---	---	---	---	0.02
	01/17/92	---	---	0.005	---	---	---	---	---	**0.10**	---	0.006	---	---	---	---	---	---	---	---	0.05
	02/14/94	---	---	0.004	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	0.01
	01/30/95	---	---	0.004	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	02/20/98	66,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/00	---	<0.05	<0.005	0.081	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	2.9	<0.0005	<0.05	0.027	<0.01	<0.002	<0.05	<0.05	0.079
	07/28/00	---	<0.05	<0.009	0.069	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.6	<0.0005	<0.05	0.027	**0.02**	<0.002	<0.05	<0.05	<0.05
(dup)	07/28/00	---	<0.05	<0.009	0.072	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.6	<0.0005	<0.05	0.017	<0.005	**0.005**	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.008	0.072	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	3.1	<0.0005	<0.05	0.024	<0.005	<0.002	<0.05	<0.05	<0.05
MW-4	01/30/86	---	---	0.009	---	---	---	---	---	0.01	---	<0.001	---	---	---	---	---	---	---	---	0.08
	01/30/87	---	---	0.003	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	02/01/88	---	---	0.003	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	01/27/89	---	---	0.001	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.002	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	01/09/91	---	---	0.001	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.02
	01/17/92	---	---	0.009	---	---	---	---	---	**0.09**	---	0.002	---	---	---	---	---	---	---	---	0.11
	02/14/94	---	---	0.002	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/30/95	---	---	0.001	---	---	---	---	---	0.01	---	0.001	---	---	---	---	---	---	---	---	0.01
	02/20/98	57,700*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	62,200**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	1.4	<0.0005	<0.05	0.016	<0.005	<0.002	<0.05	<0.05	0.063
(dup)	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	0.02	1.4	<0.0005	<0.05	0.016	<0.005	<0.002	**0.10**	<0.05	0.061
	07/28/00	---	<0.05	<0.009	<0.05	<0.05	0.02	<0.01	<0.05	<0.05	<0.004	<0.02	1.1	<0.0005	<0.05	0.03	<0.005	**0.011**	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.008	0.054	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	1.2	<0.0005	<0.05	0.022	<0.005	**0.007**	<0.05	<0.05	<0.05
MW-5	01/30/87	---	---	0.006	---	---	---	---	---	0.02	---	0.004	---	---	---	---	---	---	---	---	0.34
	02/01/88	---	---	0.011	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	1.6
	01/27/89	---	---	0.003	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.021	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	**9.5**
	02/16/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2.3**
	01/09/91	---	---	0.009	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.03

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-5	01/17/92	---	---	0.004	---	---	---	---	---	**0.08**	---	<0.001	---	---	---	---	---	---	---	---	0.27
(cont.)	02/14/94	---	---	0.016	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	**6.4**
	01/30/95	---	---	0.017	---	---	---	---	---	<0.01	---	0.032	---	---	---	---	---	---	---	---	10
	06/30/00	---	<0.05	0.023	<0.05	<0.05	0.006	<0.01	<0.05	<0.05	<0.004	<0.02	**19**	<0.0005	<0.05	<0.01	**0.019**	<0.002	<0.05	<0.05	6.6
	07/28/00	---	<0.05	<0.009	<0.05	<0.05	**0.1**	<0.01	<0.05	<0.05	<0.004	<0.02	**20**	<0.0005	**0.08**	0.039	<0.005	**0.003**	<0.05	<0.05	**7.1**
	08/17/00	---	<0.05	<0.008	0.051	<0.05	**0.023**	<0.01	<0.05	<0.05	<0.004	<0.02	**12**	<0.0005	<0.05	0.03	<0.005	**0.004**	<0.05	<0.05	<0.05
MW-6	06/07/93	32,954	---	<0.02	---	---	0.005	---	---	<0.008	---	<0.02	0.48	---	<0.02	---	---	---	---	---	0.064
(dup)	06/07/93	---	---	<0.02	---	---	0.006	---	---	<0.008	---	<0.02	0.45	---	<0.02	---	---	---	---	---	0.075
	06/17/93	10,654	---	<0.02	---	---	**0.027**	---	---	0.035	---	0.028	0.5	---	<0.02	---	---	---	---	---	0.11
	06/24/93	9,717	---	<0.02	---	---	<0.008	---	---	<0.02	---	<0.02	0.8	---	<0.02	---	---	---	---	---	0.043
	02/20/98	22,000*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	32,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/99	---	---	<0.005	0.065	---	<0.01	<0.01	---	---	---	<0.02	0.52	<0.0005	---	<0.01	<0.005	---	---	---	---
	07/23/99	---	---	<0.005	0.024	---	<0.01	<0.01	---	---	---	<0.005	0.43	<0.0005	---	0.006	<0.005	---	---	---	---
	10/20/99	---	---	0.008	0.041	---	<0.01	<0.01	---	---	---	<0.01	0.50	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.11	---	<0.01	<0.01	---	---	---	0.036	0.61	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.46	---	<0.05	0.014	---	<0.002	<0.05	<0.05	0.065
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.46	---	<0.05	0.017	---	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.43	---	<0.05	0.034	---	<0.002	<0.05	<0.05	<0.05
(dup)	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.44	---	<0.05	0.026	---	<0.002	<0.05	<0.05	<0.05
	12/11/00	---	---	0.012	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.27	<0.0005	---	0.023	<0.01	---	---	---	---
	06/14/01	---	---	0.008	<0.05	---	<0.01	0.013	---	---	---	<0.02	0.34	<0.0005	---	0.014	<0.005	---	---	---	---
	12/12/01	---	---	0.01	0.045	---	<0.01	<0.01	---	---	---	<0.01	0.28	<0.0005	---	<0.01	<0.005	---	---	---	---
MW-8	04/29/99	---	---	0.006	0.16	---	<0.01	<0.01	---	---	---	<0.02	0.45	<0.0005	---	0.011	<0.005	---	---	---	---
	07/23/99	---	---	0.012	0.12	---	<0.01	<0.01	---	---	---	0.006	0.27	**0.00082**	---	0.17	<0.005	---	---	---	---
	10/20/99	---	---	0.007	0.076	---	<0.01	<0.01	---	---	---	<0.01	0.48	<0.0005	---	0.13	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.049	---	<0.01	<0.01	---	---	---	<0.02	0.62	<0.0005	---	0.02	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.77	---	<0.05	<0.01	---	<0.002	**0.84**	<0.05	0.17
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.48	---	<0.05	0.031	---	<0.002	<0.05	<0.05	0.059
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.62	---	<0.05	0.025	---	<0.002	<0.05	<0.05	0.097
	12/11/00	---	---	<0.005	0.10	---	<0.01	<0.01	---	---	---	0.032	0.61	**0.00082**	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	0.011	0.075	---	<0.01	<0.01	---	---	---	<0.02	0.63	<0.0005	---	0.024	<0.005	---	---	---	---
(dup)	06/14/01	---	---	0.013	0.051	---	<0.01	<0.01	---	---	---	<0.02	0.62	<0.0005	---	0.021	<0.005	---	---	---	---
	12/12/01	---	---	0.015	0.037	---	<0.01	<0.01	---	---	---	<0.01	0.14	<0.0005	---	0.28	<0.005	---	---	---	---

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-9	04/29/99	---	---	0.02	0.5	---	<0.01	0.063	---	---	---	0.053	1.8	0.00044	---	<0.01	<0.005	---	---	---	---
	07/23/99	---	---	0.015	0.039	---	<0.01	<0.01	---	---	---	<0.005	0.62	<0.0005	---	<0.005	<0.005	---	---	---	---
	10/20/99	---	---	0.017	0.029	---	<0.01	<0.01	---	---	---	<0.01	1.1	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.045	---	<0.01	<0.01	---	---	---	<0.02	0.56	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.57	---	<0.05	<0.01	---	<0.002	**0.27**	0.058	0.0
	07/28/00	---	**0.18**	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.33	---	<0.05	0.02	---	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	0.052	---	---	<0.05	---	0.017	<0.05	<0.05	<0.004	---	0.49	---	<0.05	0.029	---	<0.002	<0.05	0.057	0.26
	12/11/00	---	---	0.012	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.21	<0.0005	---	0.011	<0.01	---	---	---	---
(dup)	12/11/00	---	---	0.014	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.2	<0.0005	---	0.011	<0.01	---	---	---	---
	06/14/01	---	---	0.017	0.057	---	0.01	<0.01	---	---	---	<0.02	0.43	<0.0005	---	0.016	<0.005	---	---	---	---
	12/12/01	---	---	0.025	0.043	---	<0.01	<0.01	---	---	---	<0.01	0.77	<0.0005	---	<0.01	<0.005	---	---	---	---
(dup)	12/12/01	---	---	0.025	0.05	---	<0.01	<0.01	---	---	---	<0.01	0.81	<0.0005	---	<0.01	<0.005	---	---	---	---
Beaumont Formation Monitor Wells																					
MW-7	06/07/93	6,646	---	0.033	---	---	<0.003	---	---	0.008	---	<0.02	0.44	---	<0.02	---	---	---	---	---	0.026
	06/17/93	7,026	---	0.022	---	---	**0.056**	---	---	0.01	---	<0.02	0.3	---	<0.02	---	---	---	---	---	0.26
	06/24/93	7,068	---	0.02	---	---	<0.008	---	---	<0.02	---	<0.02	0.35	---	<0.02	---	---	---	---	---	0.013
(dup)	06/24/93	7,101	---	0.024	---	---	<0.008	---	---	<0.02	---	<0.02	0.38	---	<0.02	---	---	---	---	---	0.014
	02/20/98	7,680*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	8,540**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/01	---	<0.05	**0.044**	0.085	<0.05	<0.01	<0.1	<0.05	<0.05	<0.004	<0.02	0.16	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	**0.051**	0.062	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.17	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	**0.063**	0.07	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.019	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-11	12/11/01	---	<0.05	<0.005	0.12	**0.059**	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	**7.7**	<0.0005	<0.05	0.015	<0.005	<0.002	<0.05	<0.05	0.19
	01/16/02	---	<0.05	0.006	0.066	<0.05	<0.01	<0.01	<0.05	<0.05	**0.039**	<0.02	6.2	<0.0005	**0.053**	<0.01	<0.005	<0.002	<0.05	<0.05	0.0
	02/12/02	---	<0.05	<0.005	0.066	<0.05	<0.01	<0.01	<0.05	**0.061**	<0.004	<0.02	7.3	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-12	12/27/01	---	<0.05	0.023	0.11	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.13	<0.0005	<0.05	0.27	<0.005	<0.002	<0.05	<0.05	0.092
	01/16/02	---	<0.05	0.032	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.071	<0.0005	<0.05	**0.40**	<0.005	<0.002	<0.05	<0.05	0.062
(dup)	01/16/02	---	<0.05	0.029	0.16	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.21	<0.0005	<0.05	0.31	<0.005	<0.002	<0.05	0.0	0.0
	02/12/02	---	<0.05	0.035	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.064	<0.0005	<0.05	**0.38**	<0.005	<0.002	<0.05	<0.05	<0.05
MW-13	12/11/01	---	<0.05	0.006	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.14**	<0.02	0.2	<0.0005	<0.05	0.28	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	0.012	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.065	<0.0005	<0.05	**0.49**	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	0.016	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.037	<0.0005	<0.05	**0.42**	<0.005	<0.002	<0.05	<0.05	<0.05
(dup)	02/12/02	---	<0.05	0.017	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.043	<0.0005	<0.05	**0.44**	<0.005	<0.002	<0.05	<0.05	<0.05

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-14	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.18	<0.0005	<0.05	0.067	<0.005	<0.002	<0.05	<0.05	0.06
	01/16/02	---	<0.05	0.009	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.077	<0.0005	<0.05	0.12	<0.005	<0.002	<0.05	<0.05	0.089
	02/12/02	---	<0.05	0.009	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.034	<0.0005	<0.05	0.11	<0.005	<0.002	<0.05	<0.05	0.053
MW-15	12/11/01	---	<0.05	0.012	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.23**	<0.02	2.0	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	0.027	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.7	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	0.018	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	3.1	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-16	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.05	0.00056	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.012	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-17	12/11/01	---	<0.05	<0.005	0.11	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.17	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.081
(dup)	12/11/01	---	<0.05	0.013	0.13	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.83	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.074
	01/16/02	---	<0.05	0.026	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.50	<0.0005	<0.05	0.011	<0.005	<0.002	<0.05	<0.05	0.069
	02/12/02	---	<0.05	0.024	<0.05	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.46	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.160
MW-18	12/11/01	---	<0.05	<0.005	0.24	<0.05	<0.01	0.041	<0.05	**0.056**	<0.004	0.039	0.55	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.086	0.71
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.064	<0.005	<0.002	<0.05	<0.05	0.33
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.021	<0.0005	<0.05	0.043	<0.005	<0.002	<0.05	<0.05	0.36
	7/19/02***	---	<0.05	0.006	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.037	<0.005	<0.002	<0.05	<0.05	0.42
MW-19	12/11/01	---	<0.05	<0.005	0.2	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.83	<0.0005	<0.05	0.022	<0.005	<0.002	<0.05	0.086	0.11
	01/16/02	---	<0.05	0.005	0.064	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.55	<0.0005	<0.05	0.050	<0.005	<0.002	<0.05	0.069	<0.05
	02/12/02	---	<0.05	<0.005	0.068	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.44	<0.0005	<0.05	0.032	<0.005	<0.002	<0.05	0.071	<0.05
MW-20	12/11/01	---	<0.05	<0.005	0.069	<0.05	<0.01	0.029	<0.05	<0.05	<0.004	<0.02	0.36	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	0.056	<0.05	<0.01	0.012	<0.05	<0.05	<0.004	<0.02	0.13	<0.0005	<0.05	0.020	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	0.010	<0.05	<0.05	<0.004	<0.02	0.036	<0.0005	<0.05	0.014	<0.005	<0.002	<0.05	<0.05	<0.05
MW-21	12/11/01	---	<0.05	<0.005	0.07	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.51	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.062	<0.05
	01/16/02	---	<0.05	0.010	0.087	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.39	<0.0005	<0.05	0.011	<0.005	<0.002	<0.05	0.11	<0.05
	02/12/02	---	<0.05	0.011	0.084	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.24	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.11	<0.05

Table 2. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Field	04/29/99	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
Blank	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.077
	07/28/00	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	**0.006**	<0.05	<0.05	<0.05
	12/11/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.05	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	12/12/01	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/27/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	07/19/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
Trip	07/23/99	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.005	<0.015	<0.0005	---	<0.005	<0.005	---	---	---	---
Blank	10/20/99	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.01	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.02	<0.0005	---	<0.01	<0.005	---	---	---	---
	04/25/00	---	---	<0.005	<0.01	---	<0.005	<0.01	---	---	---	<0.005	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/11/00	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/12/01	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
TNRCC RRS2 MSCs[e]																					
Adjusted GW (mg/L):			0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

* 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.

*** Sample collected on July 19, 2002 following a release of stormwater from a broken PVC pipe near the South Demin Tank. Stormwater flowed to the monitor well MW-18 area.

--- Not analyzed

dup Duplicate

TDS Total dissolved solids

a Non-detects were assigned a value of one-half the detection limit, except when all observations were non-detectable the detection limit was used as the constituent concentration.

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

c Background data for arsenic, barium, cadmium, chromium, lead, maganese, mercury, selenium, and silver taken from monitor wells MW-3 and MW-10 during the first year of quarterly groundwater monitoring (April 1999 - April 2000) as part of the East and West Lagoons groundwater monitoring program.

d Background data for antimony, bismuth, cobalt, copper, cyanide, manganese, nickel, selenium, thallium, tin, vanadium, and zinc taken from monitor wells MW-3 and MW-10 during the RFI monthly groundwater sampling events conducted during June, July, and August 2000.

e Adjusted Risk Reduction Standard No. 2 (RRS2) medium specific concentration (MSC) for groundwater (adjusted for saline groundwater).

Note: Numbers in **bold** indicate concentrations above the background upper tolerance limit.

Table 3. Solid Waste Management Unit Soil Boring Location Summary, Encycle/Texas, Inc., Corpus Chrsti, Texas

Solid Waste Management Unit	Soil Boring ID	Date Installed	Remarks
01 Landfill	B-9	05/18/93	Initial (1992-1993) RFI soil boring.
	B-10	05/18/93	Initial (1992-1993) RFI soil boring.
	B-11	05/18/93	Initial (1992-1993) RFI soil boring.
	B-12	05/18/93	Initial (1992-1993) RFI soil boring.
	B-30	06/09/93	Initial (1992-1993) RFI soil boring.
	B-31	06/09/93	Initial (1992-1993) RFI soil boring.
	B-32	06/09/93	Initial (1992-1993) RFI soil boring.
	B-140	06/29/00	Soil boring for SPLP analysis - offset to soil boring B-12.
	B-141	06/29/00	Soil boring for SPLP analysis - offset to soil boring B-11.
	B-142	06/29/00	Soil boring for SPLP analysis - offset to soil boring B-10.
	B-143	06/29/00	Soil boring for SPLP analysis - offset to soil boring B-9.
	B-144	07/11/00	
	B-145	07/11/00	Step out from soil boring B-144
	B-146	07/11/00	Step out from soil boring B-145
	B-147	07/11/00	
	B-148	07/11/00	Step out from soil boring B-147
	B-149	07/11/00	Step out from soil boring B-148
	B-150	11/05/01	
	B-151	11/05/01	Step out from soil boring B-150
	B-152	11/05/01	Step out from soil boring B-151
	B-153	07/10/00	
	B-154	07/10/00	Step out from soil boring B-153
	B-155	07/10/00	Step out from soil boring B-154
	1A	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	1B	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	1C	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	2A	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	2B	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	2C	07/11/00	Lithologic soil boring to define 01 Landfill boundaries.
	3A	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
	3B	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
	3C	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
	4A	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
	4B	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
	4C	11/05/01	Lithologic soil boring to define 01 Landfill boundaries.
Lagoons	B-13	05/18/93	Initial (1992-1993) RFI soil boring.
	B-14	05/09/93	Initial (1992-1993) RFI soil boring.
	B-15	05/09/93	Initial (1992-1993) RFI soil boring.
	B-16	05/19/93	Initial (1992-1993) RFI soil boring.
	B-17	05/19/93	Initial (1992-1993) RFI soil boring.
	B-24	06/08/93	Initial (1992-1993) RFI soil boring.
	B-25	06/08/93	Initial (1992-1993) RFI soil boring.
	B-26	06/08/93	Initial (1992-1993) RFI soil boring.
	B-27	06/08/93	Initial (1992-1993) RFI soil boring.
	B-28	06/08/93	Initial (1992-1993) RFI soil boring.
	B-29	06/08/93	Initial (1992-1993) RFI soil boring.

Table 3. Solid Waste Management Unit Soil Boring Location Summary, Encycle/Texas, Inc., Corpus Christi, Texas

Solid Waste Management Unit	Soil Boring ID	Date Installed	Remarks
Lagoons (cont.)	B-156	07/10/00	
	B-157	07/10/00	Step out from soil boring B-156
	B-158	07/10/00	Step out from soil boring B-157
	B-159	07/11/00	
	B-160	07/11/00	Step out from soil boring B-159
	B-161	07/11/00	Step out from soil boring B-160
	B-162	11/05/01	
	B-163	11/05/01	Step out from soil boring B-162
	B-164	11/05/01	Step out from soil boring B-163
	B-165	11/05/01	
	B-166	11/05/01	Step out from soil boring B-165
	B-167	11/05/01	Step out from soil boring B-166
	B-168	11/05/01	
	B-169	11/05/01	Step out from soil boring B-168
	B-170	11/05/01	Step out from soil boring B-169
	B-171	11/05/01	
	B-172	11/05/01	Step out from soil boring B-171
	B-173	11/05/01	Step out from soil boring B-172
Waste Pile	B-18	05/20/93	Initial (1992-1993) RFI soil boring.
	B-19	05/20/93	Initial (1992-1993) RFI soil boring.
	B-20	05/20/93	Initial (1992-1993) RFI soil boring.
	B-21	05/20/93	Initial (1992-1993) RFI soil boring.
	B-22	05/21/93	Initial (1992-1993) RFI soil boring.
	B-23	05/21/93	Initial (1992-1993) RFI soil boring.
	B-118	06/27/00	
	B-119	06/27/00	Step out from soil boring B-118
	B-120	06/28/00	Step out from soil boring B-119
	B-121	06/30/00	
	B-122	06/30/00	Step out from soil boring B-121
	B-123	06/30/00	Step out from soil boring B-122
	B-124	06/29/00	
	B-125	06/29/00	Step out from soil boring B-124
	B-126	06/29/00	Step out from soil boring B-125
	B-127	06/28/00	
	B-128	06/28/00	Step out from soil boring B-127
	B-129	06/29/00	Step out from soil boring B-128
Railroad Tracks Area	B-96	06/12/00	
	B-97	06/12/00	
	B-98	06/12/00	
	B-99	06/12/00	
	B-100	06/13/00	
	B-101	06/12/00	
	B-102	06/12/00	
	B-103	06/12/00	
	B-104	06/13/00	

Table 3. Solid Waste Management Unit Soil Boring Location Summary, Encycle/Texas, Inc., Corpus Chrsti, Texas

Solid Waste Management Unit	Soil Boring ID	Date Installed	Remarks
Feed Tank 1	B-61	06/20/00	
	B-62	06/20/00	Step out from soil boring B-61
	B-63	06/20/00	Step out from soil boring B-62
	B-64	06/20/00	
	B-65	06/20/00	Step out from soil boring B-64
	B-66	06/20/00	Step out from soil boring B-65
Feed Tank 2	B-79	06/21/00	
	B-80	06/21/00	Step out from soil boring B-79
	B-81	06/21/00	Step out from soil boring B-80
	B-82	06/21/00	
	B-83	06/21/00	Step out from soil boring B-82
	B-84	06/22/00	Step out from soil boring B-83
Road Leading to the West of Building C	B-35	06/13/00	
	B-36	06/13/00	
	B-37	06/13/00	
	B-38	06/13/00	
	B-39	06/13/00	
	B-40	06/13/00	
Former Sludge Drying Beds	B-46	06/22/00	
	B-47	06/22/00	
	B-48	06/23/00	
Reactor Clarifier	B-41	06/19/00	
	B-42	06/19/00	
	B-43	06/19/00	
	B-44	06/15/00	
	B-45	06/15/00	
Facility No. 1	B-67	06/15/00	
	B-68	06/27/00	
	B-69	06/15/00	
	B-70	06/19/00	
	B-182	11/06/01	Step out from soil boring B-67
	B-183	11/06/01	Step out from soil boring B-182
Facility No. 2	B-85	06/22/00	
	B-86	06/28/00	
	B-87	06/22/00	
	B-88	06/28/00	
Facility No. 3	B-92	06/29/00	
	B-93	06/27/00	
	B-94	06/27/00	
	B-95	06/23/00	
	B-186	11/06/01	Step out from soil boring B-94
	B-187	11/06/01	Step out from soil boring B-186

Table 3. Solid Waste Management Unit Soil Boring Location Summary, Encycle/Texas, Inc., Corpus Chrsti, Texas

Solid Waste Management Unit	Soil Boring ID	Date Installed	Remarks
West Cell House	B-71	06/14/00	
	B-72	06/14/00	
	B-73	07/11/00	
	B-74	06/14/00	
NOR 43 Building	B-75	06/26/00	
	B-76	06/26/00	
	B-77	06/27/00	
	B-78	06/27/00	
Product Storage Building (Building C)	B-33	06/26/00	
	B-34	06/26/00	
	B-194	11/08/01	Step out from soil boring B-33
	B-195	11/07/01	Step out from soil boring B-194
Product Storage Bins (Numbered Bins)	B-53	06/22/00	
	B-54	06/22/00	
	B-55	07/10/00	
	B-56	06/28/00	
	B-184	11/06/01	Step out from soil boring B-55
	B-185	11/06/01	Step out from soil boring B-184
Building North of Facility 2 (Former 3-Sided Bin)	B-89	07/10/00	
	B-90	07/10/00	
	B-91	07/10/00	
Old Casting Building	B-57	06/19/00	
	B-58	06/19/00	
	B-59	06/19/00	
	B-60	06/19/00	
	B-180	11/06/01	Step out from soil boring B-59
	B-181	11/06/01	Step out from soil boring B-180
Storm Sewer System	B-49	06/15/00	North and South Demin Tanks area soil boring.
	B-50	06/15/00	North and South Demin Tanks area soil boring.
	B-51	06/15/00	North and South Demin Tanks area soil boring.
	B-52	06/15/00	North and South Demin Tanks area soil boring.
	B-108	06/20/00	Storm sewer system piping area soil boring.
	B-109	06/20/00	Storm sewer system piping area soil boring.
	B-110	06/14/00	Storm sewer system piping area soil boring.
	B-111	06/14/00	Storm sewer system piping area soil boring.
	B-112	06/27/00	Storm sewer system piping area soil boring.
	B-113	06/22/00	Storm sewer system piping area soil boring.
	B-114	07/10/00	Storm sewer system piping area soil boring.
	B-115	06/26/00	Storm sewer system piping area soil boring.
	B-116	06/27/00	Storm sewer system piping area soil boring.
	B-117	06/23/00	Storm sewer system piping area soil boring.

Table 3. Solid Waste Management Unit Soil Boring Location Summary, Encycle/Texas, Inc., Corpus Chrsti, Texas

Solid Waste Management Unit	Soil Boring ID	Date Installed	Remarks
Boneyard	B-105	06/23/00	
	B-106	06/23/00	
	B-107	06/23/00	
	B-188	11/06/01	Step out from soil boring B-105
	B-189	11/06/01	Step out from soil boring B-188
	B-190	11/07/01	Step out from soil boring B-107
	B-191	11/07/01	Step out from soil boring B-190
	B-192	11/07/01	Step out from soil boring B-106
	B-193	11/07/01	Step out from soil boring B-192
Grain Elevator	B-130	06/16/00	
	B-131	06/16/00	
	B-132	06/16/00	
	B-133	06/16/00	
	B-134	06/16/00	
	B-135	06/16/00	
	B-136	06/16/00	
	B-137	06/16/00	
	B-138	06/16/00	
	B-139	06/16/00	
	B-196	11/08/01	Step out from soil boring B-139
	B-197	11/08/01	Step out from soil boring B-132
	B-198	11/08/01	Step out from soil boring B-130
	B-199	11/08/01	Step out from soil boring B-138
	B-200	11/08/01	Step out from soil boring B-131
	B-201	11/08/01	Step out from soil boring B-136
	B-202	11/08/01	Step out from soil boring B-133
	B-203	11/08/01	Step out from soil boring B-134
	B-204	11/08/01	Step out from soil boring B-135
	B-205	11/08/01	Step out from soil boring B-137

Table 4. Contingent RFI Monitor Well Location Summary, Corpus Christi, Texas

SWMU	Constituent Exceeding TNRCC-Approved Background Concentration in Soil at Saturated Zone	Remarks
Waste Pile	Sb, Ba, Tl	Installed monitor well MW-11
Railroad Tracks Area	Ag, Cd, Cr, Sb, Tl	Installed monitor well MW-15
Feed Tank 1	Ag, Co, Cr, Ni, Se	Installed monitor well MW-20
Feed Tank 2	Cd, Cr, Mn, Sb	Installed monitor well MW-16
Road Leading West of Bldg C	NONE	
Former Sludge Drying Beds	Sb	Installed monitor well MW-18
Reactor Clarifier	NONE	
Facility No. 1	Sb, Tl	Combined with Feed Tank 1, installed monitor well MW-20*
Facility No. 2	Sb	Installed monitor well MW-14
Facility No. 3	Sb	Installed monitor well MW-13
West Cell House	Tl	Installed monitor well MW-17
NOR 43	Sb	Combined with West Cell House, installed monitor well MW-17*
Product Storage Bldg C	Sb	Combined with Railroad Tracks Area, installed monitor well MW-15*
Product Storage Bins	Sb	Installed monitor well MW-19
Bldg North of Facility 2 (3-Sided Bin)	NONE	
Old Casting Bldg	Sb	Installed monitor well MW-21
Storm Sewer System Demin Tanks	Sb	Combined with Former Sludge Drying Beds, installed monitor well MW-18*
Storm Sewer System	Ag, Ba, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V	Combined with other SWMUs near storm sewer system (installed monitor wells MW-11 through MW-21)
Boneyard	Sb, Tl	Installed monitor well MW-12

* As detailed in the approved RFI Work Plan, when two SWMUs with affected saturated soils were located within 100 feet of each other, one monitor well was constructed north of those SWMUs.

Table 5. 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	
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	---	
	01/23/90		5.62	1.46	---	
	01/09/91		5.05	2.03	---	
	01/17/92		5.25	1.83	---	
	02/14/94		5.46	1.62	---	

Table 5. 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 (cont.)	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	
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	

Table 5. 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-8	06/29/00		5.30	2.82	23.1	
(cont.)	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	
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	
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	
	04/25/00		1.41	6.77	17.5	
	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	
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	

Table 5. 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-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	
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 6. --Stratigraphic units and their water-bearing properties, Nueces and San Patricio Counties

System	Series	Stratigraphic unit		Estimated thickness (ft)	Lithology	Water-bearing properties
Quaternary	Recent and Pleistocene	Alluvium and beach and dune sands		40-100(?)	Fine to coarse sand, silt, clay, and gravel. Very coarse gravel in basal part in Nueces River valley.	Generally yields small quantities of fresh to slightly saline water to wells throughout the Nueces River valley, and slightly saline to moderately saline water to wells in beach and dune sands near the coast.
	Pleistocene	Gulf Coast aquifer	Beaumont Clay	500(?)	Predominantly clay interbedded with layers of medium to fine sand. In some places contains thick lenses of sand.	Yields small to moderate quantities of fresh to moderately saline water. Sands in upper part formerly supplied water for public use in Aransas Pass and Ingleside
			Lissie Formation	600(?)	Alternating thick to thin beds of sand, gravel, sandy clay, and clay. Contains caliche locally.	Generally yields small to large quantities of fresh to slightly saline water, moderately saline at some places. Supplies water for many irrigation and industrial wells.
Tertiary	Pliocene		Goliad Sand	600(?)	Sand or sandstone interbedded with layers of gravel and clay. Contains an abundance of caliche at the outcrop.	Yields small to large quantities of fresh to slightly saline water. Frequently screened with Lissie Formation to increase yields of wells.

Reference: Shafer, 1968.

Table 7. Aquifer Test Data Summary, Encycle/Texas, Inc., Corpus Christi, Texas

Formation	Aquifer Test Pumping Well	Aquifer Test Date	Aquifer Test Flow Rate (gpm)	Transmissivity (gpd/ft)	Saturated Thickness (feet)[a]	Hydraulic Conductivity (gpd/ft^2)	Effective Porosity[b]	Average Hydraulic Gradient (ft/ft)[c]	Average Groundwater Velocity (ft/day)	Average Groundwater Velocity (ft/year)
Beaumont Formation:	MW-7	7/24/00	2.0	702 (drawdown) 1682 (recovery) Average: 1,192 gpd/ft	9	132.4	0.366	0.005	0.24	88
Fill/Alluvium:	MW-6	7/26/00	0.25	45.7 (drawdown) 24.5 (recovery) Average: 35.1 gpd/ft	7	5.01	0.286	0.01	0.023	8.5

gpm — Gallons per minute
gpd/ft — Gallons per day per foot
gpd/ft^2 — Gallons per day per square foot
a — Saturated thickness of pumping well.
b — Effective porosity taken from July 12, 2000 geotechnical soil borings - saturated soil sample.
c — Hydraulic gradient taken from February 11, 2002 water table map.

Notes:

1) Beamont Formation and Fill/Alluvium are unconfined water-bearing units.
2) Transmissivity (T) = hydraulic conductivity (K) x saturated thickness
3) Groundwater velocity (V) = ((K) (hydraulic gradient)) / ((7.48) (effective porosity))
For Beaumont Formation, V (ft/day) = ((132.4 gpd/ft^2) (0.005)) / ((7.48 g/ft^3) (0.366)) = 0.24 ft/day = 88 ft/year
For Fill/Alluvium, V (ft/day) = ((5.01 gpd/ft^2) (0.01)) / ((7.48 g/ft^3) (0.286)) = 0.023 ft/day = 8.5 ft/year

Table 8. Sustainable Well Yield Estimates, Encycle/Texas, Inc., Corpus Christi, Texas

$$\text{Well Yield (Q)} = \frac{57923\ K\ b^2}{7.2 + \log(Kb)}$$

Where:
K= hydraulic conductivity (cm/sec)
b = saturated thickness
Q = maximum sustainable single well yield in gallons per minute

Beaumont Formation

Input parameters: K = 132.4 gpd/ft^2 (see Table 7). 1 gpd/ft^2 = 0.0000472 cm/sec. Therefore 132.4 gpd/ft^2 = 0.0062 cm/sec
b = 9 feet (see Table 7).

$$Q\ (gpd) = \frac{57923\ (0.0062)\ (9)^2}{7.2 + \log((0.0062)(9))} = \frac{29089}{7.2 + \log 0.0558} = \frac{29089}{5.95} = 4{,}889\ gpd$$

Fill/Alluvium

Input parameters: K = 5.01 gpd/ft^2 (see Table 7). 1 gpd/ft^2 = 0.0000472 cm/sec. Therefore 5.01 gpd/ft^2 = 0.00024 cm/sec
b = 7 feet (see Table 7).

$$Q\ (gpm) = \frac{57923\ (0.00024)\ (7)^2}{7.2 + \log((0.00024)(7))} = \frac{681.2}{7.2 + \log 0.00168} = \frac{681.2}{4.425} = 154\ gpd$$

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gpd	Gallons per day
gpd/ft2	Gallons per day per square foot
gpd/ft^2	Gallons per day per square foot
cm/sec	Centimeters per second

Note: Well yield equation taken from "Procedures for Determination of Groundwater Resource Classification." TNRCC Regulatory Guidance, Texas Risk Reduction Program (TRRP), RG-366/TRRP-8, Draft, November 2000.

Table 9. 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]	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 9. 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".

Table 10. 01 Landfill Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-9	05/18/93	0-0.5	(u)	---	8.4	---	---	<2.5	---	---	9.8	---	9.3	180	---	6	---	---	---	---	---	48
(01 Landfill - North Side		2-2.5	(u)	---	9.9	---	---	<2.5	---	---	11	---	12	213	---	7.6	---	---	---	---	---	262
		5-5.5	(u)	---	<5.0	---	---	8.7	---	---	1199	---	14	869	---	28	---	---	---	---	---	4802
		6.5-7	(s)	---	<5.0	---	---	52	---	---	841	---	14	1689	---	6.6	---	---	---	---	---	4070
B-10	05/18/93	0-0.5	(u)	---	8.1	---	---	<2.5	---	---	15	---	6.8	126	---	<5.0	---	---	---	---	---	29
(01 Landfill - North Side		2-2.5	(u)	---	<5.0	---	---	<2.5	---	---	11	---	15	295	---	7.3	---	---	---	---	---	25
		6-6.5	(s)	---	<5.0	---	---	93	---	---	22	---	18	456	---	<5.0	---	---	---	---	---	2116
B-11	05/18/93	0-0.5	(u)	---	<5.0	---	---	<2.5	---	---	11	---	9.3	168	---	<5.0	---	---	---	---	---	36
(01 Landfill - North Side		2-2.5	(u)	---	7.9	---	---	<2.5	---	---	9.5	---	19	284	---	7.3	---	---	---	---	---	33
		5.5-6	(u)	---	7.7	---	---	8.1	---	---	14	---	14	384	---	5.5	---	---	---	---	---	298
		8-8.5	(s)	---	30	---	---	9.7	---	---	304	---	936	5455	---	<5.0	---	---	---	---	---	962
B-12	05/18/93	0-0.5	(u)	---	14	---	---	20	---	---	42	---	101	476	---	7	---	---	---	---	---	1758
(01 Landfill - North Side		2-2.5	(u)	---	42	---	---	40	---	---	454	---	394	806	---	14	---	---	---	---	---	3922
		5-5.5	(s)	---	36	---	---	60	---	---	280	---	477	2087	---	14	---	---	---	---	---	9195
B-30	06/09/93	0-0.5	(u)	---	5.7	---	---	44	---	---	183	---	331	757	---	16	---	---	---	---	---	2128
(01 Landfill - East Side)		2-2.5	(u)	---	8.1	---	---	47	---	---	120	---	431	698	---	6.1	---	---	---	---	---	2287
		5.5-6	(u)	---	11	---	---	22	---	---	77	---	220	561	---	6.1	---	---	---	---	---	1550
		6.5-7	(s)	---	25	---	---	42	---	---	137	---	276	521	---	6.6	---	---	---	---	---	1864
B-31	06/09/93	0-0.5	(u)	---	7.6	---	---	23	---	---	111	---	213	1023	---	14	---	---	---	---	---	1392
(01 Landfill - East Side)		2-2.5	(u)	---	12	---	---	15	---	---	185	---	261	665	---	<5.0	---	---	---	---	---	1357
		4.5-5	(s)	---	6.4	---	---	24	---	---	59	---	319	2450	---	<5.0	---	---	---	---	---	24245
B-32	06/09/93	0-0.5	(u)	---	<5.0	---	---	83	---	---	94	---	60	9305	---	29	---	---	---	---	---	14990
(01 Landfill - East Side)		2-2.5	(u)	---	<5.0	---	---	24	---	---	55	---	72	1336	---	6.1	---	---	---	---	---	3452
		5.5-6	(u)	---	5.1	---	---	6	---	---	19	---	22	303	---	15	---	---	---	---	---	422
		6-6.5	(s)	---	<5.0	---	---	4.1	---	---	15	---	13	380	---	6.1	---	---	---	---	---	598
B-140	06/29/00	0-0.5	(u)	6	---	210	<4	38	15	6	---	<0.04	---	---	2.6	---	3	2	<4	12	17	---
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	*<0.05*	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	9	30	248	<4	28	61	22	266	<0.04	371	---	2.2	---	3	2	<10	31	13	7989
	(SPLP)	*2-2.5*	*(u)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	---	---	---	---	---	---	---	---	*0.10*
		5-5.5	(s)	87	253	603	10	42	32	16	2350	<0.04	4212	10990	1.3	---	31	21	<10	516	16	74690
	(SPLP)	*5-5.5*	*(s)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	*0.47*	---	---	---	---	---	---	---	*0.27*

Table 10. 01 Landfill Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-141	06/29/00	0-0.5	(u)	3	---	156	<4	---	16	5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<1	<5	12	---
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	---	623	<4	---	15	6	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<2	<5	25	---
	(SPLP)	*2-2.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		5-5.6	(u)	3	---	234	<4	2	11	<5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	<2	<5	20	---
	(SPLP)	*5-5.6*	*(u)*	---	---	---	---	*<0.05*	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8-8.5	(s)	2	9	86	<4	16	24	11	195	<0.04	12	787	0.068	---	<0.8	<0.5	<4	<5	6	---
	(SPLP)	*8-8.5*	*(s)*	---	*<0.10*	---	---	*<0.05*	---	---	*<0.10*	---	*<0.10*	*2.0*	---	---	---	---	---	---	---	---
B-142	06/29/00	0-0.5	(u)	2	---	151	<4	---	10	<5	---	<0.04	---	---	<0.05	---	<0.8	<0.5	8	<5	10	---
	(SPLP)	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	---	229	<4	---	16	7	---	<0.04	---	---	<0.05	---	<0.8	<0.5	2	<5	28	---
	(SPLP)	*2-2.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		6-6.5	(s)	10	---	181	<4	97	21	10	---	0.08	---	---	0.74	---	11	11	<40	38	6	---
	(SPLP)	6-6.5	(s)	---	---	---	---	*0.15*	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-143	06/29/00	0-0.5	(u)	28	---	480	6	---	48	46	---	0.3	---	---	1.9	---	6	35	<20	50	7	---
	Duplicate 39	0-0.5	(u)	15	56	241	5	447	23	53	626	0.13	1070	14270	0.31	41	1	15	<1	42	9	44310
	(SPLP)	*0-0.5*	*(u)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(O1 landfill)		2-2.5	(u)	3	<5	181	<4	---	25	6	---	<0.04	---	---	0.052	---	<0.8	<0.5	<1	<5	21	---
	(SPLP)	*2-2.5*	*(u)*	---	*<0.10*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		5-5.5	(u)	3	---	117	<4	9	18	7	20	<0.04	---	---	0.28	---	<0.8	<0.5	<15	<5	14	1400
	(SPLP)	*5-5.5*	*(u)*	---	---	---	---	*<0.05*	---	---	*<0.10*	---	---	---	---	---	---	---	---	---	---	*0.16*
		6-6.5	(s)	3	---	58	<4	209	19	38	14	<0.04	---	15240	0.2	---	4	4	<5	<5	8	34500
	(SPLP)	*6-6.5*	*(s)*	---	---	---	---	*0.062*	---	---	*<0.10*	---	---	*28*	---	---	---	---	---	---	---	*19.0*
B-144	07/11/00	0-0.5	(u)	1	7	303	<4	4	16	8	23	<0.04	55	472	0.072	12	<0.8	<0.5	<5	<5	29	519
(O1 landfill)		2-2.5	(u)	1	5	289	<4	2	13	<5	21	<0.04	53	286	<0.05	9	<0.8	1	<1	<5	25	159
(stepout borings)		5.2-6	(s)	1	<5	211	<4	3	16	5	20	<0.04	23	180	<0.05	13	<0.8	<0.5	4	<5	36	203
	Duplicate 46	5.2-6	(u)	1	6	309	<4	4	15	6	34	<0.04	29	205	<0.05	12	<0.8	<0.5	2	<5	34	323
B-145	07/11/00	0-0.5	(u)	1	---	---	---	---	15	---	---	---	---	357	---	---	---	---	<5	---	---	654
(O1 landfill)		2-2.5	(u)	1	---	---	---	---	---	---	43	---	---	---	---	---	---	4	---	---	---	508
(stepout borings)		5.2-6	(s)	3	---	---	---	---	15	---	351	---	---	---	---	---	---	---	<5	---	15	7965
B-146	07/11/00	0-0.5	(u)	1	---	---	---	---	12	---	---	---	---	349	---	---	---	---	<1	---	---	394
(O1 landfill)		2-2.5	(u)	1	---	---	---	---	---	---	83	---	---	---	---	---	---	9	---	---	---	2030
(stepout borings)		5.2-6	(s)	1	---	---	---	---	15	---	57	---	---	---	---	---	---	---	<5	---	---	1010

Table 10. 01 Landfill Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-147	07/11/00	0-0.5	(u)	1	14	198	<4	10	21	6	174	<0.04	94	664	0.22	11	1	2	<5	<5	24	754
(O1 landfill)		2-2.5	(u)	1	12	292	<4	17	17	5	103	<0.04	292	569	2	12	10	2	<5	75	19	1230
(stepout borings)		3.7-4	(s)	4	33	148	<4	78	11	<5	362	<0.04	831	549	363	10	641	46	<5	5	12	9900
B-148	07/11/00	0-0.5	(u)	<0.8	---	---	---	---	13	---	42	---	---	510	0.41[a]	---	<0.8	1	<5	---	---	337
(O1 landfill)		2-2.5	(u)	2	24	---	---	69	13	---	218	---	219	1270	13[a]	---	18	4	<5	8	---	4594
(stepout borings)		5-5.5	(s)	<0.8	11	---	---	18	---	---	50	---	105	---	34[a]	---	35	3	<5	---	---	3000
B-149	07/11/00	0-0.5	(u)	---	---	---	---	---	---	---	42	---	---	351	0.096[a]	---	---	2	<5	---	---	326
(O1 landfill)		2-2.5	(u)	<0.8	5	---	---	10	---	---	14	---	23	216	0.64[a]	---	2	<0.5	<5	<5	---	272
(stepout borings)		5-5.5	(s)	---	<5	---	---	2	---	---	10	---	11	---	0.37[a]	---	<0.8	<0.5	<1	---	---	76
B-150	11/05/01	0-0.5	(u)	<0.8	<5.0	87	<4.0	6.6	7.6	<5.0	20	<0.05	19	195	0.07	6.4	<0.8	<0.5	<1	<5.0	14	268
Duplicate B-150		0-0.5	(u)	<0.8	7	192	4	23	11	7.5	50	0.08	51	368	0.41	9.4	0.89	0.7	<1	6	17	909
(O1 landfill)		2-2.5	(u)	<0.8	5.9	236	6.9	28	18	12	29	<0.05	38	951	0.8	15	<0.8	<0.5	<1	5.5	35	791
(stepout borings)		2.5-3	(s)	3.1	39	753	12	443	13	92	386	0.18	1390	9498	56	45	28	17	<1	11	21	23820
B-151	11/05/01	0-0.5	(u)	---	---	---	---	87	---	---	153	---	---	---	1.6	---	---	4.7	---	---	---	4341
(O1 landfill)		1.5-2	(s)	0.91	48	526	10	281	23	76	612	---	531	2176	5.1	39	4.3	15	---	34	---	12140
(stepout borings)																						
B-152	11/05/01	0-0.5	(u)	---	---	---	---	171	---	---	464	---	---	---	0.25	---	---	20	---	---	---	27200
(O1 landfill)		1.5-2	(s)	<0.8	<5.0	---	<4.0	1.5	12	<5.0	8.8	---	18	225	<0.05	8	<0.8	<0.5	---	5.5	---	192
(stepout borings)																						
B-153	07/10/00	0-0.5	(u)	0.9	<5	625	<4	7	9	<5	15	<0.04	11	259	<0.05	6	1.1	0.6	<1	<5	18	184
(O1 landfill)		2-2.5	(u)	3.3	26	293	<4	39	13	6	245	<0.04	283	803	1.5	10	2.6	2.8	<5	7	24	3126
(stepout borings)		5.5-6	(s)	11.6	82	313	<4	253	18	66	2584	0.11	1040	7285	23	56	2.9	9.2	<5	29	21	17320
Duplicate 42		5.5-6	(s)	32	165	280	6	153	31	51	5872	0.17	1570	5084	7.5	68	7	11	<1	45	14	19500
B-154	07/10/00	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	2.7	3.5	---	---	---	618
(O1 landfill)		2-2.5	(u)	3.1	12	---	---	13	---	---	163	---	411	562	2.3	---	23.5	3.3	<5	---	---	2470
(stepout borings)		4.7-5.5	(s)	95.9	86	---	<4	15	30	8	796	---	2920	4915	7.5	10	11.3	7.6	<5	526	---	34140
B-155	07/10/00	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	3.2	3.1	---	---	---	4350
(O1 landfill)		2-2.5	(u)	<0.8	11	---	---	4	---	---	323	---	1890	705	8.7	---	50.2	4.5	2	---	---	382
(stepout borings)		3-3.5	(s)	<1.5	<5	---	---	1	---	---	12	---	28	134	0.16	---	1.2	<0.5	8	<5	---	300

Table 10. 01 Landfill Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics.*
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 11. East and West Lagoon Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-13	05/18/93	0-0.5	(u)	---	24	---	---	39	---	---	168	---	200	909	---	9.6	---	---	---	---	---	4486
(West Lagoon)		2-2.5	(u)	---	28	---	---	26	---	---	202	---	267	635	---	6.8	---	---	---	---	---	3190
		5.5-6	(u)	---	<5.0	---	---	<2.5	---	---	14	---	13	310	---	9.2	---	---	---	---	---	167
		6-6.5	(s)	---	<5.0	---	---	4.5	---	---	37	---	24	135	---	13	---	---	---	---	---	450
B-14	05/09/93	0-0.5	(u)	---	26	---	---	65	---	---	266	---	740	530	---	30	---	---	---	---	---	4736
(West Lagoon)		2.0-2.5	(u)	---	24	---	---	4.7	---	---	115	---	45	642	---	11	---	---	---	---	---	532
		4.5-5	(s)	---	7.7	---	---	16	---	---	30	---	68	447	---	7.2	---	---	---	---	---	1198
B-15	05/09/93	0-0.5	(u)	---	31	---	---	77	---	---	246	---	359	373	---	7.4	---	---	---	---	---	7720
(West Lagoon)		2-2.5	(u)	---	58	---	---	13	---	---	740	---	148	441	---	17	---	---	---	---	---	1180
		6-6.5	(s)	---	5.3	---	---	<2.5	---	---	13	---	15	66	---	<5	---	---	---	---	---	147
B-16	05/19/93	0-0.5	(u)	---	25	---	---	48	---	---	154	---	273	452	---	7	---	---	---	---	---	3008
(West Lagoon)		2-2.5	(u)	---	14	---	---	10	---	---	87	---	94	332	---	9.3	---	---	---	---	---	1139
		4-4.5	(s)	---	<5	---	---	14	---	---	84	---	74	98	---	8.5	---	---	---	---	---	1184
B-17	05/19/93	0-0.5	(u)	---	21	---	---	31	---	---	131	---	235	470	---	8.4	---	---	---	---	---	3196
(West Lagoon)		2-2.5	(u)	---	13	---	---	15	---	---	260	---	66	464	---	13	---	---	---	---	---	974
		4-4.5	(s)	---	7.6	---	---	7.7	---	---	74	---	58	174	---	<5	---	---	---	---	---	1429
B-156	07/10/00	0-0.5	(u)	2.8	30	182	<4	23	13	8	520	<0.04	157	487	0.1	12	1	2.3	<5	<5	22	2200
		2.3-3	(s)	<0.8	<5	99	<4	1	15	6	8	<0.04	6	191	<0.05	8	1.3	<0.5	<5	<5	7	51
	Duplicate 43	2.3-3	(s)	2	<5	68	<4	2	18	8	27	<0.04	9	86	<0.05	9	<0.8	<0.5	4	<5	<5	98
(east/west lagoons)																						
(stepout borings)																						
B-157	07/10/00	0-0.5	(u)	<0.8	5	---	---	2	---	---	25	---	57	291	0.51	---	<0.8	<0.5	4	---	---	285
(east/west lagoons)		2.3-3	(s)	0.9	---	---	---	---	---	---	<5	---	---	---	---	---	0.9	---	<5	---	---	35
(stepout borings)																						
B-158	07/10/00	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	4.5	---	---	---	<5	---	---	5255
(east/west lagoons)		2.3-3	(s)	0.8	---	---	---	---	---	---	---	---	---	---	---	---	1	---	<5	---	---	58
(stepout borings)																						

Table 11. East and West Lagoon Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-159	07/11/00	0-0.5	(u)	3	21	285	<4	35	17	6	169	<0.04	250	558	4	11	2	3	<5	13	18	3762
		2-2.5	(s)	1	<5	255	<4	1	28	7	8	<0.04	13	110	0.27	16	<0.8	<0.5	<5	<5	15	129
	Duplicate 45	2-2.5	(s)	<0.8	<5	135	<4	2	38	8	8	<0.04	13	83	<0.05	20	1	<0.5	<5	<5	13	107
(east/west lagoons)																						
(stepout borings)																						
B-160	07/11/00	0-0.5	(u)	3	11	---	---	94	14	---	315	---	787	423	39[a]	---	168	14	<5	7	---	4379
(east/west lagoons)		2-2.5	(s)	<0.8	---	---	---	---	12	---	---	---	---	---	1.2[a]	---	21	---	<5	---	---	980
(stepout borings)																						
B-161	07/11/00	0-0.5	(u)	19	---	---	---	166	---	---	1640	---	9746	442	213[a]	---	1620	211	<5	---	---	4993
(east/west lagoons)		2-2.5	(s)	---	---	---	---	---	---	---	---	---	---	---	2.5[a]	---	363	---	<5	---	---	1150
(stepout borings)																						
B-162	11/05/01	0-0.5	(u)	0.82	23	580	7.3	74	18	10	135	<0.05	349	470	0.56	15	1	5	<1	15	35	6653
(east/west lagoons)		1-1.2	(s)	<0.8	11	653	5.4	23	14	7.3	32	<0.05	135	345	0.75	11	<0.8	1.3	<1	8	37	1495
(stepout borings)																						
B-163	11/05/01	0-0.5	(u)	<0.8	9.3	---	<4.0	19	11	7.8	31	---	100	762	0.07	---	<0.8	0.81	---	7.1	---	1178
(east/west lagoons)		1-1.2	(s)	---	12	---	<4.0	31	---	---	59	---	136	---	0.32	---	---	2.8	---	7.2	27	2091
(stepout borings)																						
B-164	11/05/01	0-0.5	(u)	---	---	---	---	262	---	---	---	---	---	710	---	---	---	11	---	---	---	10740
(east/west lagoons)		1-1.2	(s)	---	6.4	---	---	20	---	---	24	---	57	---	0.09	---	---	0.52	---	---	---	769
(stepout borings)																						
B-165	11/05/01	0-0.5	(u)	1.3	32	269	8	55	15	7.4	337	<0.05	260	742	2.9	10	3.7	2.2	<1	15	25	6764
	Duplicate B-165	0-0.5	(u)	0.96	31	295	8.6	45	14	7.6	248	<0.05	248	766	3.2	11	3.5	1.8	<1	13	26	5304
(east/west lagoons)		2-2.5	(s)	<0.8	8.9	256	7.9	1.4	18	8.9	21	<0.05	17	431	<0.05	14	<0.8	<0.5	<1	6	43	137
(stepout borings)																						
B-166	11/05/01	0-0.5	(u)	1.3	22	---	7.2	29	13	---	170	---	285	559	1.4	---	1.6	2.2	---	14	---	2821
(east/west lagoons)		2-2.3	(s)	---	---	---	6.4	---	18	---	353	---	---	---	---	---	---	---	---	---	21	3173
(stepout borings)																						
B-167	11/05/01	0-0.5	(u)	2.2	39	---	7.9	120	---	---	220	---	634	937	1.2	---	1	7.1	---	33	---	11010
(east/west lagoons)		2-2.3	(s)	---	---	---	6.7	---	14	---	144	---	---	---	---	---	---	---	---	---	---	10260
(stepout borings)																						

Table 11. East and West Lagoon Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-168	11/05/01	0-0.5	(u)	<0.8	<5	75	11	5.5	12	7.7	57	<0.05	44	257	<0.05	9.7	<0.8	<0.5	<1	6.5	11	388
(east/west lagoons)		2-2.5	(u)	<0.8	27	273	8.4	6.3	18	8.6	34	0.09	40	448	<0.05	15	<0.8	0.960	<1	6.1	40	492
(stepout borings)		2.5-3.1	(s)	<0.8	16	344	11	4.4	21	8.8	110	<0.05	58	387	0.09	15	<0.8	<0.5	<1	8.8	46	653
B-169	11/05/01	0-0.5	(u)	---	---	---	<4.0	---	---	---	19	---	---	---	---	---	---	---	---	---	---	953
(east/west lagoons)		1-1.5	(s)	---	16	---	<4.0	29	13	---	60	---	173	1091	---	---	---	5.8	---	13	21	2677
(stepout borings)																						
B-170	11/05/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3349
(east/west lagoons)		2-2.5	(u)	---	8.2	---	---	5.9	---	---	57	---	68	326	---	---	---	<0.5	---	8.5	---	805
(stepout borings)		2.7-3	(s)	---	8.9	---	---	8.8	---	---	19	---	48	451	---	---	---	<0.5	---	6.4	---	781
B-171	11/05/01	0-0.5	(u)	<0.8	9.1	283	11	3.4	20	8.5	46	<0.05	57	480	0.07	14	<0.8	<0.5	<1	8.6	40	496
(east/west lagoons)		2-2.5	(u)	<0.8	7.2	277	10	<1.0	22	9	11	<0.05	13	569	<0.05	15	<0.8	<0.5	<1	5.6	46	67
(stepout borings)		3.8-4.2	(s)	<0.8	8.5	280	12	<1.0	20	8.8	16	<0.05	18	448	<0.05	14	<0.8	<0.5	<1	5.7	45	108
B-172	11/05/01	0-0.5	(u)	---	---	---	6.3	---	23	---	155	---	---	679	---	---	---	---	---	15	20	3096
(east/west lagoons)		1.8-2.3	(s)	---	---	---	10	---	21	---	---	---	---	796	---	---	---	---	---	---	25	4305
(stepout borings)																						
B-173	11/05/01	0-0.5	(u)	---	---	---	6.3	---	13	---	64	---	---	476	---	---	---	---	---	22	---	3234
(east/west lagoons)		2-2.5	(u)	---	---	---	6.7	---	14	---	---	---	---	373	---	---	---	---	---	---	---	233
(stepout borings)		2.8-3	(s)	---	---	---	5.4	---	12	---	---	---	---	1279	---	---	---	---	---	---	---	2195
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

Table 11. East and West Lagoon Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 12. Waste Pile Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-18	05/20/93	0-0.5	(u)	---	16	---	---	57	---	---	29	---	45	341	---	11	---	---	---	---	---	2798
(Waste Pile)		2-2.5	(u)	---	12	---	---	2.6	---	---	8.7	---	11	259	---	9.7	---	---	---	---	---	163
		5.5-6	(u)	---	11	---	---	<2.5	---	---	8	---	8.4	374	---	9.1	---	---	---	---	---	58
		9-9.5	(u)	---	11	---	---	<2.5	---	---	13	---	11	359	---	12	---	---	---	---	---	67
		12.5-13	(u)	---	9.1	---	---	<2.5	---	---	8.6	---	11	476	---	8.8	---	---	---	---	---	51
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	15	---	11	485	---	12	---	---	---	---	---	63
		20-20.5	(u)	---	15	---	---	<2.5	---	---	13	---	12	246	---	13	---	---	---	---	---	60
		21.5-22	(s)	---	9.2	---	---	<2.5	---	---	<5	---	6	138	---	<5	---	---	---	---	---	31
B-19	05/20/93	0-0.5	(u)	---	16	---	---	41	---	---	20	---	53	316	---	8.6	---	---	---	---	---	2367
(Waste Pile)		2-2.5	(u)	---	12	---	---	<2.5	---	---	8.5	---	8.6	343	---	10	---	---	---	---	---	68
		5.5-6	(u)	---	7.5	---	---	<2.5	---	---	8.7	---	10	290	---	12	---	---	---	---	---	56
		9-9.5	(u)	---	10	---	---	<2.5	---	---	6.6	---	11	365	---	11	---	---	---	---	---	53
		12.5-13	(u)	---	12	---	---	<2.5	---	---	7.8	---	7.9	430	---	12	---	---	---	---	---	50
		16-16.5	(u)	---	19	---	---	<2.5	---	---	11	---	12	229	---	13	---	---	---	---	---	95
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	12	---	9.5	247	---	11	---	---	---	---	---	58
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	6.5	140	---	5.7	---	---	---	---	---	44
B-20	05/20/93	0-0.5	(u)	---	30	---	---	226	---	---	84	---	298	636	---	12	---	---	---	---	---	10340
(Waste Pile)		2-2.5	(u)	---	7.4	---	---	<2.5	---	---	14	---	13	302	---	12	---	---	---	---	---	94
		5.5-6	(u)	---	10	---	---	<2.5	---	---	7.7	---	10	349	---	10	---	---	---	---	---	75
		9-9.5	(u)	---	<5	---	---	<2.5	---	---	8.1	---	7.8	198	---	11	---	---	---	---	---	58
		12.5-13	(u)	---	14	---	---	<2.5	---	---	8.4	---	9	464	---	12	---	---	---	---	---	56
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	13	---	12	617	---	14	---	---	---	---	---	123
		19-19.5	(u)	---	13	---	---	<2.5	---	---	12	---	11	195	---	12	---	---	---	---	---	92
		22-22.5	(s)	---	6	---	---	<2.5	---	---	<5	---	<5	138	---	<5	---	---	---	---	---	22
B-21	05/20/93	0-0.5	(u)	---	115	---	---	1113	---	---	374	---	1504	1678	---	16	---	---	---	---	---	71000
(Waste Pile)		2-2.5	(u)	---	8.8	---	---	30	---	---	19	---	68	276	---	9.7	---	---	---	---	---	1152
		5.5-6	(u)	---	12	---	---	<2.5	---	---	9.2	---	12	284	---	8.5	---	---	---	---	---	79
		9-9.5	(u)	---	13	---	---	<2.5	---	---	12	---	8.6	307	---	10	---	---	---	---	---	69
		12.5-13	(u)	---	<5	---	---	<2.5	---	---	11	---	11	169	---	10	---	---	---	---	---	78
		16-16.5	(u)	---	<5	---	---	<2.5	---	---	12	---	16	476	---	14	---	---	---	---	---	93
		19.5-20	(u)	---	8.3	---	---	<2.5	---	---	10	---	9.1	186	---	12	---	---	---	---	---	55
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	5.3	126	---	5.3	---	---	---	---	---	29
B-22	05/21/93	0-0.5	(u)	---	8.5	---	---	7	---	---	13	---	22	463	---	11	---	---	---	---	---	1596
(Waste Pile)		2-2.5	(u)	---	39	---	---	203	---	---	117	---	439	586	---	11	---	---	---	---	---	21600
		5.5-6	(u)	---	<5	---	---	3.3	---	---	8.5	---	14	317	---	9.9	---	---	---	---	---	342
		9-9.5	(u)	---	7.6	---	---	<2.5	---	---	5.5	---	7.4	245	---	7.9	---	---	---	---	---	52

Table 12. Waste Pile Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
		12.5-13	(u)	---	10	---	---	<2.5	---	---	10	---	11	411	---	12	---	---	---	---	---	61
		16-16.5	(u)	---	13	---	---	<2.5	---	---	11	---	10	**1331**	---	17	---	---	---	---	---	66
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	7.2	---	7.1	153	---	6.3	---	---	---	---	---	29
		21-21.5	(s)	---	<5	---	---	<2.5	---	---	<5	---	5.9	151	---	5	---	---	---	---	---	35
B-23	05/21/93	0-0.5	(u)	---	7.4	---	---	**13**	---	---	22	---	45	238	---	9.8	---	---	---	---	---	701
(Waste Pile)		2-2.5	(u)	---	7.5	---	---	<2.5	---	---	8.2	---	7.1	277	---	9.8	---	---	---	---	---	43
		5.5-6	(u)	---	<5	---	---	<2.5	---	---	6.3	---	8.6	285	---	8.8	---	---	---	---	---	41
		9-9.5	(u)	---	16	---	---	<2.5	---	---	9	---	**53**	319	---	13	---	---	---	---	---	54
		12.5-13	(u)	---	9.1	---	---	<2.5	---	---	9	---	11	361	---	12	---	---	---	---	---	52
		16-16.5	(u)	---	6.9	---	---	<2.5	---	---	10	---	10	**862**	---	15	---	---	---	---	---	68
		19.5-20	(u)	---	<5	---	---	<2.5	---	---	9.6	---	9.9	186	---	11	---	---	---	---	---	57
		23-23.5	(s)	---	<5	---	---	<2.5	---	---	6.1	---	7.3	167	---	7.3	---	---	---	---	---	44
B-118	06/27/00	0-0.5	(u)	**3**	8	155	<4	**33**	**15**	7	**41**	<0.04	102	**556**	**0.63**	---	**2**	**1**	<1	6	15	3355
(waste pile)		2-2.5	(u)	**3**	5	508	<4	**9**	13	5	**19**	<0.04	42	**379**	0.06	---	<0.8	**1**	<1	<5	20	953
		5.5	(u)	**2**	<5	259	<4	1	12	6	8	<0.04	11	259	<0.05	---	<0.8	<0.5	<1	<5	26	86
		8.5	(u)	**2**	5	254	<4	4	12	<5	12	<0.04	16	432	<0.05	---	<0.8	<0.5	<1	<5	29	184
		11.5	(u)	**3**	7	311	<4	<1	11	7	12	<0.04	12	434	<0.05	---	<0.8	<0.5	<1	<5	25	57
		14.5	(u)	**3**	6	307	<4	<1	12	7	13	<0.04	12	716	<0.05	---	<0.8	<0.5	<1	<5	27	60
		17.5	(u)	**3**	7	122	<4	1	14	8	13	<0.04	14	500	<0.05	---	<0.8	<0.5	<1	<5	29	78
		18-18.5	(s)	**2**	<5	185	<4	<1	9	6	13	<0.04	9	205	<0.05	---	<0.8	<0.5	<1	<5	19	36
B-119	06/27/00	0-0.5	(u)	**2.9**	---	---	---	10	12	---	23	---	---	178	**0.12**	---	<0.8	**0.8**	---	---	---	784
(waste pile)		2-2.5	(u)	**2.9**	---	---	---	<1	---	---	11	---	---	321	<0.05	---	---	<0.5	---	---	---	40
(step out boring)		5.5	(u)	**2.9**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	105
		8.5	(u)	**3.9**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53
		11.5	(u)	**3.6**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
		14.5	(u)	**3.4**	---	---	---	---	---	---	---	---	---	798	---	---	---	---	---	---	---	59
		17.5	(u)	**2.7**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	538
		19.7-20	(s)	**2.2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46
B-120	06/28/00	0-0.5	(u)	**1.7**	---	---	---	---	---	---	---	---	---	---	**0.28**	---	---	**1.2**	---	---	---	353
(waste pile)		2-2.5	(u)	**1.8**	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	42
(step out boring)		5.5	(u)	**2.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	55
		8.5	(u)	**2.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		11.5	(u)	**2.0**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45
		14.5	(u)	**1.1**	---	---	---	---	---	---	---	---	---	683	---	---	---	---	---	---	---	64
		17.5	(u)	**1.5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		20.3-21	(s)	**1.3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25

Table 12. Waste Pile Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-121	06/30/00	0-0.5	(u)	4	18	282	<4	98	35	8	89	<0.04	167	691	8.8	---	18	5	<1	10	29	6973
(waste pile)		2-2.5	(u)	5	<5	206	<4	12	20	9	19	<0.04	26	563	0.21	---	<0.8	<0.5	<1	<5	42	720
		5.5	(u)	3	<5	166	<4	6	17	6	14	<0.04	17	299	0.15	---	<0.8	<0.5	<1	<5	34	418
		8.5	(u)	3	<5	265	<4	3	14	8	14	<0.04	16	431	<0.05	---	<0.8	<0.5	<1	<5	29	224
	Duplicate 40	8.5	(u)	4	<5	266	<4	2	13	6	11	<0.04	12	284	<0.05	---	<0.8	<0.5	<1	<5	27	156
		11.5	(u)	4	6	326	<4	1	14	12	14	<0.04	17	996	<0.05	---	<0.8	<0.5	<1	<5	30	100
		14.5	(u)	3	8	397	<4	2	13	8	13	<0.04	15	548	<0.05	---	<0.8	<0.5	7	6	30	114
		17.5	(u)	3	9	48	<4	<1	13	7	13	<0.04	12	301	<0.05	---	<0.8	<0.5	3	<5	30	61
	Duplicate 41	17.5	(u)	4	8	43	<4	<1	14	8	14	<0.04	14	295	<0.05	---	<0.8	<0.5	<1	<5	30	68
		19.7-20	(s)	3	<5	192	<4	<1	14	5	9	<0.04	11	265	<0.05	---	<0.8	<0.5	<1	<5	25	65
B-122	06/30/00	0-0.5	(u)	4	<5	---	---	23	16	---	56	---	118	442	0.38	---	1	1	---	5	---	1560
(waste pile)		2-2.5	(u)	3	---	---	---	1	16	---	14	---	---	385	<0.05	---	---	---	---	---	18	71
(step out boring)		5.5	(u)	3	---	---	---	<1	17	---	---	---	---	---	<0.05	---	---	---	---	---	---	54
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		11.5	(u)	3	---	---	---	---	---	9	---	---	---	464	---	---	---	---	---	---	---	61
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	56
		17.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	62
		20.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47
		23-23.5	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29
B-123	06/30/00	0-0.5	(u)	4	---	---	---	27	15	---	86	---	189	319	0.74	---	<0.8	1	---	---	---	1750
(waste pile)		2-2.5	(u)	3	---	---	---	---	14	---	---	---	---	407	<0.05	---	---	---	---	---	---	70
(step out boring)		5.5	(u)	3	---	---	---	---	17	---	---	---	---	---	<0.05	---	---	---	---	---	---	52
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		11.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61
		17.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		19.7-20	(s)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
B-124	06/29/00	0-0.5	(u)	3	6	298	<4	24	16	6	22	<0.04	39	450	0.33	---	<0.8	<0.5	<1	<5	24	1500
(waste pile)		2-2.5	(u)	2	<5	294	<4	2	16	7	11	<0.04	12	432	<0.05	---	<0.8	<0.5	<1	<5	33	122
	Duplicate 37	2-2.5	(u)	<0.8	<5	310	<4	2	21	7	11	<0.04	11	408	<0.05	15	<0.8	<0.5	2	<5	41	141
		5.5	(u)	2	5	258	<4	2	9	5	7	<0.04	10	320	<0.05	---	<0.8	<0.5	<1	<5	24	132
	Duplicate 38	5.5	(u)	1	<5	288	<4	3	18	7	9	<0.04	11	369	<0.05	16	<0.8	<0.5	3	<5	37	210
		8.5	(u)	2	7	313	<4	<1	15	8	13	<0.04	13	507	<0.05	---	<0.8	<0.5	<1	<5	34	76
		11.5	(u)	3	6	309	<4	2	16	8	14	<0.04	14	390	<0.05	---	<0.8	<0.5	<1	<5	32	118
		14.5	(u)	2	<5	250	<4	<1	14	7	12	<0.04	10	485	<0.05	---	<0.8	<0.5	<1	<5	26	64
		17.5	(u)	2	7	204	<4	<1	15	7	15	<0.04	13	353	<0.05	---	<0.8	<0.5	<1	<5	31	62
		20.5	(u)	2	<5	455	<4	<1	13	7	15	<0.04	12	266	<0.05	---	<0.8	<0.5	6	<5	28	64
		23.5-24	(s)	2	<5	888	<4	<1	8	5	8	<0.04	8	221	<0.05	---	<0.8	<0.5	2	<5	18	36

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Table 12. Waste Pile Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-125	06/29/00	0-0.5	(u)	2.4	---	---	---	6	16	---	---	---	---	437	0.19	---	---	---	---	---	---	508
(waste pile)		2-2.5	(u)	3.4	---	---	---	---	14	---	---	---	---	399	<0.05	---	---	---	1	---	41	68
(step out boring)		5.5	(u)	2.8	---	---	---	---	11	---	---	---	---	---	---	---	---	---	1	---	31	39
		8.5	(u)	3	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	61
		11.5	(u)	2.5	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	88
		14.5	(u)	1.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		17.5	(u)	1.9	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	58
		20.5	(u)	1.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	54
		23.5-24	(s)	1.8	---	178	---	---	---	---	---	---	---	---	---	---	---	---	9	---	---	49
B-126	06/29/00	0-0.5	(u)	2.8	---	---	---	---	20	---	---	---	---	460	0.66	---	---	---	---	---	---	1720
(waste pile)		2-2.5	(u)	2.4	---	---	---	---	---	---	---	---	---	395	<0.05	---	---	---	---	---	42	61
(step out boring)		5.5	(u)	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		8.5	(u)	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56
		11.5	(u)	2.1	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	54
		14.5	(u)	2.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61
		17.5	(u)	2.6	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	51
		20.5	(u)	2.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	59
		23.5-24	(s)	3.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	51
B-127	06/28/00	0-0.5	(u)	3	13	325	<4	55	15	6	38	<0.04	82	397	0.31	---	2	1	<1	6	41	3193
(waste pile)		2-2.5	(u)	2	<5	350	<4	2	10	<5	8	<0.04	10	256	0.31	---	<0.8	<0.5	<1	<5	30	110
		5.5	(u)	2	7	272	<4	3	11	7	11	<0.04	13	437	<0.05	---	<0.8	<0.5	7	<5	29	172
		8.5	(u)	3	7	320	<4	2	12	7	12	<0.04	13	451	<0.05	---	<0.8	<0.5	1	<5	28	104
	Duplicate 35	8.5	(u)	1	7	307	<4	18	20	11	12	<0.04	13	528	<0.05	15	<0.8	<0.5	<1	<5	41	132
		11.5	(u)	3	6	261	<4	1	17	8	13	<0.04	12	794	<0.05	---	<0.8	<0.5	<1	<5	33	76
	Duplicate 36	11.5	(u)	1	6	255	<4	3	15	8	11	<0.04	11	777	<0.05	14	<0.8	<0.5	8	<5	30	73
		14.5	(u)	3	7	355	<4	<1	14	6	13	<0.04	11	274	<0.05	---	<0.8	<0.5	<1	<5	29	59
		17.2-18	(s)	3	<5	270	<4	<1	12	<5	10	<0.04	11	231	<0.05	---	<0.8	<0.5	<1	<5	20	41
B-128	06/28/00	0-0.5	(u)	3.5	---	---	---	19	16	---	---	---	---	445	0.58	---	2.4	1.1	---	---	16	1560
(waste pile)		2-2.5	(u)	2.8	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	49
(step out boring)		5.5	(u)	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	128
		8.5	(u)	2.6	---	---	---	<1	13	8	---	---	---	---	---	---	---	---	---	---	33	33
		11.5	(u)	2.8	---	---	---	---	14	---	---	---	---	453	---	---	---	---	1	---	---	58
		14.5	(u)	2.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		17.5	(u)	3.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	64
		20.5	(u)	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47
		23.7-24	(s)	2.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45

Table 12. Waste Pile Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-129	06/29/00	0-0.5	(u)	**1.3**	---	---	---	**141**	**15**	---	---	---	---	**523**	**0.21**	---	**1.3**	**2.4**	---	---	---	5747
(waste pile)		2-2.5	(u)	**1.1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	72
(step out boring)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46
		8.5	(u)	**1.8**	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	47
		11.5	(u)	**2**	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	53
		14-14.5	(s)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 13. Railroad Tracks Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-96	06/12/00	0-0.5	(u)	128	3353	1665	92	2795	351	363	30530	1.6	28300	8209	11	457	39	345	<20	332	21	117600
(Railroad		2-2.5	(u)	0.8	6.8	403	<4	2.9	21	7.2	12	<0.04	15	366	<0.05	13	<5	4.3	1.4	<5	---	125
Tracks)		5.5	(u)	1.9	---	---	---	---	24	---	---	---	---	372	---	---	<5	12	1.8	---	---	147
		8.5	(u)	<0.8	---	---	---	---	27	---	---	---	---	---	---	---	<5	6.3	<1	---	---	33
		11.5	(u)	---	---	---	---	---	56	---	---	---	---	---	---	---	<5	2.2	---	---	---	24
		14.5	(u)	---	---	---	---	---	20	---	---	---	---	---	---	---	<5	42	---	---	---	54
		16-16.5	(s)	---	---	---	---	---	17	---	---	---	---	---	---	---	<5	1.8	---	---	---	55
B-97	06/12/00	0-0.5	(u)	336	3197	759	129	3051	2471	5568	22470	21.0	65760	17930	11	3562	21	320	<20	1342	28	149300
	Duplicate 1	(0-0.5)	(u)	163	1794	1065	142	3911	4691	14450	44110	14.0	40450	22500	6.5	18280	28	287	<20	2073	88	111400
(Railroad Tracks)		2-2.5	(u)	2.5	8.1	432	<4	2,165	26	204	56	<0.04	90	1,656	<0.05	56	<5	9.1	<1	<5	45	20,000
	(SPLP)	*2-2.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*15.0*	*<0.1*	*0.53*	*<0.1*	*---*	*<0.1*	*1.4*	*---*	*0.24*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*64*
		5.5	(u)	1.1	<5	---	---	976	17	59	35	---	37	450	---	31	---	1.9	---	<5	33	6285
		8.5	(u)	2.5	---	---	---	13	13	12	14	---	---	---	---	10	---	13	---	<5	---	175
		11.5	(u)	9	---	---	---	7.2	---	6.3	---	---	---	---	---	---	---	11	---	<5	---	108
		14.5	(u)	<0.8	---	---	---	11	---	---	---	---	---	---	---	---	---	21	---	<5	---	92
		15.5-16	(s)	---	---	---	---	4.8	---	---	---	---	---	---	---	---	---	3.7	---	<5	---	57
B-98	06/12/00	0-0.5	(u)	79	1542	1536	90	2046	717	517	12230	0.83	20870	9205	2.2	963	31	352	<20	271	24	87900
(Railroad		2-2.5	(u)	<0.8	5.3	416	<4	1.1	19	6.6	11	<0.04	14	327	<0.05	13	<5	2.9	2.6	<5	---	82
Tracks)		5.5	(u)	---	---	---	---	---	24	---	---	---	---	---	---	---	<5	21	1.6	---	---	76
		8.5	(u)	---	---	---	---	---	25	---	---	---	---	---	---	---	<5	2.4	2	---	---	93
		11.5	(u)	---	---	---	---	---	15	---	---	---	---	---	---	---	<5	1.9	<1	---	---	49
		14-14.5	(s)	---	---	---	---	---	16	---	---	---	---	---	---	---	<5	9	---	---	---	52
B-99	06/12/00	0-0.5	(u)	139	8018	1181	82	2970	930	1209	104400	7.0	25130	11910	16	1369	83	321	<20	472	20	145500
(Railroad		2-2.5	(u)	1.5	15	370	<4	27	19	41	165	<0.04	45	311	0.08	18	<5	1.8	1.1	<5	---	2,900
Tracks)		5.5	(u)	1.1	25	---	---	85	20	37	274	---	---	---	---	---	---	2.2	1.9	---	---	2,045
		8.5	(u)	1.6	7.9	---	---	1.9	24	10	18	---	---	---	---	---	---	0.96	2	---	---	130
		11.5	(u)	1.6	---	---	---	---	32	13	124	---	---	---	---	---	---	1.6	2.3	---	---	281
		14-14.5	(s)	1.5	---	---	---	---	13	5.2	16	---	---	---	---	---	---	1.9	1.5	---	---	51
B-100	06/13/00	0-0.5	(u)	<0.8	<5	134	<4	13	14	<5	17	<0.04	27	185	0.29	10	<0.8	5	2	<5	19	516
(Railroad		2-2.5	(u)	---	---	---	---	1	---	---	---	---	---	---	<0.05	---	---	<0.5	3	---	---	65
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	223
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	587
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	30
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27

Table 13. Railroad Tracks Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-101	06/12/00	0-0.5	(u)	21	359	448	12	334	23	12	2334	<0.04	5451	1083	11	22	20	120	<20	36	13	66230
	Duplicate 3	(0-0.5)	(u)	20	298	348	12	436	28	52	2554	0.31	4048	1132	22	71	14	81	<20	51	16	62730
(Railroad		2-2.5	(u)	<0.8	6	---	<4	3	9	<5	11	<0.04[a]	16	222	<0.05	7	<0.8	<0.5	2	<5	---	495
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	---	---	---	---	2	---	---	56
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	81
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
B-102	06/12/00	0-0.5	(u)	2.1	24	237	<4	236	13	11	187	<0.04	338	349	0.46	19	0.96	4.4	<20	6.6	20	16260
	Duplicate 2	(0-0.5)	(u)	1.7	23	273	<4	81	43	117	414	<0.04	467	433	23	136	<0.8	4.7	<20	27	24	3045
(Railroad		2-2.5	(u)	<0.8	<5	---	---	3	10	<5	10	---	13	254	<0.05	7	<0.8	<0.5	1	<5	---	217
Tracks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39
		14.8-15.3	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
B-103	06/12/00	0-0.5	(u)	2.1	46	311	<4	157	19	12	415	<0.04	680	404	1.5	18	1.7	11	<20	13	27	16600
(Railroad		2-2.5	(u)	<0.8	5	---	---	5	12	<5	11	---	18	253	<0.05	---	<0.8	<0.5	1	<5	---	333
Tracks)		5.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	57
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	130
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	79
		15-15.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35
B-104	06/13/00	0-0.5	(u)	64	603	990	18	566	102	93	6961	0.88	5971	2665	3.4	110	6	74	<1	128	23	130200
(Railroad		2-2.5	(u)	<0.8	<5	114	<4	3	11	<5	26	<0.04	19	260	<0.05[a]	9	<0.8	<0.5	---	<5	---	315
Tracks)		5.5	(u)	---	---	---	---	---	---	---	12	---	---	---	<0.05[a]	---	---	---	---	---	---	60
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	481
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

Table 13. Railroad Tracks Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 14. Feed Tank 1 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-61	06/20/00	0-0.5	(u)	3	61	87	<4	48	60	19	232	<0.04	317	149	18	28	9	4	<1	7	26	3,288
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.5*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*0.58*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*29*
(feedtank No.1)		2-2.5	(u)	<0.8	6	596	<4	<1	20	6	15	<0.04	13	333	0.05	13	<0.8	<0.5	2	<5	24	85
		5.5	(u)	<0.8	6	362	<4	<1	9	5	7	<0.04	9	295	<0.05	8	<0.8	<0.5	1	<5	35	44
	Duplicate 19	5.5	(u)	<0.8	6	302	<4	<1	17	6	14	<0.04	10	313	<0.05	11	<0.8	<0.5	2	<5	39	70
		8.5	(u)	1	<5	189	<4	<1	12	6	7	<0.04	9	307	<0.05	8	1	<0.5	7	<5	28	42
		11.5	(u)	<0.8	<5	58	<4	<1	49	8	<5	<0.04	<5	205	<0.05	24	<0.8	<0.5	3	<5	8	22
		14.5	(u)	<0.8	<5	67	<4	<1	73	12	<5	<0.04	<5	370	<0.05	34	1	<0.5	2	<5	7	11
		15-16	(s)	<0.8	<5	67	<4	<1	60	12	<5	<0.04	<5	274	<0.05	28	1	<0.5	1	<5	5	11
B-62	06/20/00	0-0.5	(u)	1	<5	---	---	4	34	6	8	---	11	---	<0.05	18	<0.8	<0.5	---	---	---	385
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	2	---	---	36
(step out boring)		5.5	(u)	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	2	---	34	38
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	<1	---	---	26
		11.5	(u)	---	---	---	---	---	27	---	---	---	---	---	---	---	---	---	<1	---	---	20
		14.5	(u)	---	---	---	---	---	26	6	---	---	---	---	---	12	<0.8	---	<1	---	---	8
		15-16	(s)	---	---	---	---	---	54	10	---	---	---	---	---	26	1	---	---	---	---	8
B-63	06/20/00	0-0.5	(u)	<0.8	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	59
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	14	---	---	---	---	---	---	---	---	---	2	---	---	66
(step out boring)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	64
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9
		15-16	(s)	---	---	---	---	---	45	10	---	---	---	---	---	21	<0.8	---	---	---	---	6
B-64	06/20/00	0-0.5	(u)	<0.8	7	305	<4	623	16	7	13	<0.04	39	1725	<0.05	22	<0.8	0.54	2	6	27	9393
(feedtank No.1)		2-2.5	(u)	2	7	282	<4	193	27	30	540	0.08	60	4188	0.08	47	<0.8	2	<1	9	26	59140
	(SPLP)	*2-2.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.0*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*0.36*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*16*
		5.5	(u)	1	<5	203	<4	3	10	<5	11	<0.04	14	2305	<0.05	11	<0.8	1	<1	<5	25	62460
		8.5	(u)	1	6	292	<4	<1	15	7	9	<0.04	24	415	<0.05	11	<0.8	<0.5	2	10	36	757
		11.5	(u)	<0.8	<5	51	<4	1	29	7	<5	<0.04	<5	139	<0.05	14	1	<0.5	<1	<5	8	671
		14.5	(u)	<0.8	<5	51	<4	<1	62	13	<5	<0.04	<5	283	<0.05	29	1	<0.5	<1	<5	6	143
		15-15.5	(s)	<0.8	<5	71	<4	<1	82	16	6	<0.04	<5	176	<0.05	38	1	0.52	<1	<5	5	64
B-65	06/20/00	0-0.5	(u)	---	---	---	---	10	21	---	---	---	---	419	---	---	---	---	2	---	---	1110
(feedtank No.1)		2-2.5	(u)	3	---	---	---	2	28	6	30	---	1570	386	---	9	---	1	---	518	---	684
(step out boring)		5.5	(u)	1	---	---	---	---	---	---	---	---	---	349	---	---	---	<0.5	---	---	---	1750
		8.5	(u)	1	---	---	---	---	16	---	---	---	---	---	---	---	---	---	2	11	38	57
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	39
		14.5	(u)	---	---	---	---	---	23	7	---	---	---	---	---	---	1	---	---	---	---	17
		15.3-16	(s)	---	---	---	---	---	39	9	---	---	---	---	---	18	1	<0.5	---	---	---	18

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Table 14. Feed Tank 1 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-66	06/20/00	0-0.5	(u)	---	---	---	---	---	**93**	---	---	---	---	**532**	---	---	---	---	<1	---	---	4176
	Duplicate 18	0-0.5	(u)	**4**	9	123	<4	74	**222**	**60**	**1380**	<0.04	427	**559**	0.08	**69**	<0.8	**1**	**3**	**30**	10	2200
(feedtank No.1)		2-2.5	(u)	1	---	---	---	---	12	---	**29**	---	29	257	---	---	---	<0.5	---	6	---	99
(step out boring)		5.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	110
		8.5	(u)	1	---	---	---	---	11	---	---	---	---	---	---	---	---	---	**6**	5	25	72
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	13
		15.7-16	(s)	---	---	---	---	---	**49**	---	---	---	---	---	---	---	1	---	---	---	---	11
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 15. Feed Tank 2 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-79	06/21/00	0-0.5	(u)	3	<5	101	<4	12	28	13	11	<0.04	14	665	<0.05	15	<0.8	<0.5	<1	<5	14	2867
(feedtank #2)		2-2.5	(u)	3	<5	142	<4	<1	14	5	10	<0.04	9	367	<0.05	10	<0.8	<0.5	<1	<5	25	74
		5.5	(u)	3	8	303	<4	<1	21	7	11	<0.04	11	373	<0.05	12	<0.8	<0.5	<1	<5	61	69
	Duplicate 21	5.5	(u)	2	8	389	<4	<1	12	6	8	<0.04	9	629	<0.05	9	<0.8	<0.5	<1	<5	39	43
		8.5	(u)	2	6	193	<4	<1	9	6	7	<0.04	9	372	<0.05	9	<0.8	<0.5	<1	<5	27	36
		11.5	(u)	2	7	312	<4	<1	12	6	7	<0.04	9	337	<0.05	8	<0.8	<0.5	<1	<5	30	41
		14.5	(u)	2	7	337	<4	<1	15	7	10	<0.04	11	325	<0.05	16	<0.8	<0.5	1	<5	34	56
		17.5	(u)	2	6	357	<4	<1	12	8	10	<0.04	13	690	<0.05	13	<0.8	<0.5	<1	<5	31	51
		18-18.5	(s)	2	<5	375	<4	<1	16	7	9	<0.04	10	389	<0.05	12	<0.8	<0.5	<1	<5	33	73
B-80	06/21/00	0-0.5	(u)	<0.8	---	---	---	82	16	8	---	---	---	652	---	---	---	---	---	---	---	6729
(feedtank #2)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	406	---	---	---	---	---	---	---	86
(step out boring)		5.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	375	---	---	---	---	---	---	32	52
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63
		14.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	51
		17.5-18	(s)	<0.8	---	---	---	---	7	---	---	---	---	566	---	---	---	---	---	---	---	31
B-81	06/21/00	0-0.5	(u)	---	---	---	---	6	15	---	---	---	---	210	---	---	---	---	---	---	---	623
(feedtank #2)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	293	---	---	---	---	---	---	---	56
(step out boring)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59
		20.7-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
B-82	06/21/00	0-0.5	(u)	4	7	86	5	133	59	15	1130	0.05	57	956	0.07	250	<0.8	1	7	7	15	16920
(feedtank #2)		2-2.5	(u)	2	<5	103	<4	159	27	7	14	<0.04	<5	445	<0.05	37	<0.8	<0.5	4	<5	9	4204
		5.5	(u)	2	<5	50	<4	410	17	7	5	<0.04	<5	3615	<0.05	17	<0.8	1	<1	<5	11	26850
	(SPLP)	5.5	(u)	<0.1	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1	---	<0.1	2.6	---	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	20
		8.5	(u)	1	<5	63	<4	261	34	9	6	<0.04	7	1651	<0.05	25	<0.8	<0.5	<1	<5	12	12400
		11.5	(u)	2	7	387	<4	4	15	9	12	<0.04	12	515	<0.05	13	<0.8	<0.5	<1	<5	37	210
		14.5	(u)	2	6	339	<4	3	14	9	12	<0.04	13	794	<0.05	14	<0.8	<0.5	1	<5	33	170
		17.5	(u)	3	10	224	<4	2	21	9	12	<0.04	12	399	<0.05	15	<0.8	<0.5	1	<5	44	144
	Duplicate 22	17.5	(u)	2	8	179	<4	1	11	6	9	<0.04	10	267	<0.05	10	<0.8	<0.5	1	<5	30	86
		19-20	(s)	3	<5	224	<4	167	15	6	10	<0.04	13	918	<0.05	19	<0.8	<0.5	<1	<5	26	3902
B-83	06/21/00	0-0.5	(u)	2.3	---	---	<4	273	25	11	359	---	---	3384	---	30	---	3.8	<5	---	---	38770
(feedtank #2)		2-2.5	(u)	<0.8	---	---	---	21	19	---	---	---	---	517	---	17	---	---	<5	---	---	2829
(step out boring)		5.5	(u)	<0.8	---	---	---	1	13	---	---	---	---	378	---	---	---	<0.5	---	---	---	151
		8.5	(u)	<0.8	---	---	---	2	13	---	---	---	---	348	---	---	---	---	---	---	---	190
		11.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	31	64
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	397	---	---	---	---	---	---	---	57
		17.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	32	68

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Table 15. Feed Tank 2 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-83		20.5	(u)	<0.8	---	---	---	<1	**15**	---	---	---	---	360	---	---	---	---	---	---	---	62
(cont.)		23.5-24	(s)	<0.8	---	---	---	<1	13	---	---	---	---	254	---	---	---	---	---	---	---	77
B-84	06/22/00	0-0.5	(u)	**5.8**	---	---	---	**92**	**45**	**12**	**646**	---	---	**4274**	---	**39**	---	**11.3**	<5	---	---	22850
(feedtank #2)		2-2.5	(u)	---	---	---	---	3	**15**	---	---	---	---	**476**	---	---	---	---	**2**	---	---	211
(step out boring)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
		20.5	(u)	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	51
		23.5-24	(s)	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	39
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 16. Road Leading to the West of Building C Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-35	06/13/00	0-0.5	(u)	28	110	665	41	785	235	64	2272	1.2	12260	234	1.5	403	10	31	15	116	23	4283
	Duplicate 4	0-0.5	(u)	93	428	418	87	1668	311	272	11060	0.6	42850	276	7.8	1600	24	47	20	317	20	8811
		2-2.5	(u)	1	12	---	<4	177	8	9	141	<0.04[a]	272	---	<0.05	12	<0.8	2	<1	<5	---	25570
		5.5	(u)	<0.8	7	---	---	17	---	---	13	<0.04[a]	20	---	---	---	---	<0.5	---	---	---	602
	Duplicate 50	5.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	---
(Road to west		8.5	(u)	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---	487
of building C)		11.5	(u)	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	61
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57
		16.5-17	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97
B-36	06/13/00	0-0.5	(u)	2	12	170	<4	31	47	6	126	<0.04	160	235	1.7	26	<0.8	5	2	6	19	2490
(Road to west		2-2.5	(u)	1	---	---	---	11	7	---	162	---	74	---	0.3	6	---	1	<1	---	---	1370
of building C)		5.5	(u)	<0.8	---	---	---	<1	---	---	6	---	7	---	<0.05	---	---	<0.5	---	---	---	53
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	407
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	132
		12.5-13	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	86
B-37	06/13/00	0-0.5	(u)	11	44	310	4	155	61	16	393	<0.04	985	640	7.2	42	6	14	<1	27	17	18660
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.13*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*1.3*
(Road to west		2-2.5	(u)	1	6	---	---	13	18	6	35	---	52	330	---	11	<0.8	1	---	<5	---	1700
of building C)		5.5	(u)	<0.8	---	---	---	1	10	---	8	---	---	---	<0.05	---	---	<0.5	---	---	---	137
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
B-38	06/13/00	0-0.5	(u)	8	43	222	<4	100	53	12	405	<0.04	1020	939	0.35	32	1	9	<1	19	24	13540
	Duplicate 5	0-0.5	(u)	20	77	294	9	369	38	20	887	<0.04	2170	1000	0.92	38	1	23	<1	46	11	34130
		2-2.5	(u)	<0.8	<5	---	<4	<1	10	<5	12	---	15	233	---	9	<0.8	<0.5	---	<5	---	57
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	1210
(Road to west		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	487
of building C)		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16
		17.5-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16
B-39	06/13/00	0-0.5	(u)	3	6	233	<4	3	24	7	28	<0.04	60	371	1.1	16	<0.8	2	1	9	28	1700
(Road to west		2-2.5	(u)	<0.8	---	---	---	---	9	---	---	---	---	248	<0.05	---	---	<0.5	---	<5	---	172
of building C)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	114

Table 16. Road Leading to the West of Building C Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-40	06/13/00	0-0.5	(u)	**96**	**140**	546	**5**	**53**	**40**	**21**	**1050**	<0.04	**2420**	**3786**	**0.26**	**178**	<0.8	**11**	<1	**253**	27	29800
	Duplicate 6	0-0.5	(u)	**7**	13	261	<4	**14**	**22**	7	**132**	<0.04	**274**	309	<0.05	**39**	<0.8	**4**	**8**	**22**	23	3195
		2-2.5	(u)	**2**	11	---	<4	**8**	**17**	**10**	**508**	---	**267**	355	<0.05	**69**	---	**1**	**2**	**21**	---	867
		5.5	(u)	**2**	12	---	---	**5**	13	7	**164**	---	**196**	---	---	**40**	---	**1**	**2**	**17**	---	788
(Road to west		8.5	(u)	**1**	---	---	---	1	---	---	**54**	---	**70**	---	---	13	---	<0.5	1	**9**	---	395
of building C)		11.5	(u)	<0.8	---	---	---	---	---	---	9	---	11	---	---	---	---	---	---	<5	---	93
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9559
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	944
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 17. Grain Elevator Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-130	06/16/00	0-0.5	(u)	**3**	<5	349	<4	5	**20**	<5	38	<0.04	52	242	0.07	11	<0.8	**2**	<1	<5	17	607
(Grain elevator)		2-2.5	(u)	<0.8	---	---	---	---	**16**	---	---	---	---	---	---	---	---	<0.5	---	---	---	47
		5.5	(u)	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	37
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13.7-14.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-131	06/16/00	0-0.5	(u)	**2**	5	448	<4	3	**141**	**10**	19	<0.04	22	127	0.19	**64**	<0.8	**2**	<1	<5	8	194
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	---	**30**	7	---	---	---	---	<0.05	15	---	<0.5	---	---	---	42
B-132	06/16/00	0-0.5	(u)	**3.8**	<5	263	<4	<1	13	6	15	0.08	15	**373**	<0.05	11	<0.8	<0.5	1	<5	20	90
	Duplicate 14	0-0.5	(u)	**3**	<5	310	<4	<1	**18**	6	13	0.04	14	**387**	<0.05	13	<0.8	<0.5	**2**	<5	28	81
		2-2.5	(u)	**2**	---	---	---	---	12	---	---	---	---	344	---	---	---	---	**9**	---	---	35
(Grain elevator)		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**4**	---	---	45
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	24
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**1**	---	---	24
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	20
		15.6-16	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22
B-133	06/16/00	0-0.5	(u)	**3**	6	**856**	<4	2	**78**	7	27	<0.04	35	252	<0.05	**37**	<0.8	**1**	**2**	<5	23	250
(Grain elevator)		2-2.5	(s)	<0.8	---	486	---	---	**64**	---	---	---	---	---	---	**32**	---	**1**	**2**	---	---	16
B-134	06/16/00	0-0.5	(u)	**4**	<5	304	<4	1	**17**	<5	12	<0.04	26	235	<0.05	9	<0.8	**2**	**4**	<5	17	124
	Duplicate 13	0-0.5	(u)	**3**	<5	238	<4	3	**23**	<5	32	<0.04	77	183	**0.18**	12	<0.8	**1**	**2**	<5	17	241
		2-2.5	(u)	**2**	---	---	---	---	12	---	---	---	---	---	0.07[a]	---	---	**1**	<1	---	---	62
(Grain elevator)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	**2**	---	---	---	30
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.5	---	---	---	25
		11-12	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32
B-135	06/16/00	0-0.5	(u)	**4**	<5	461	<4	3	**18**	5	19	0.05	40	**345**	0.08	11	<0.8	**1**	<1	<5	21	286
(Grain elevator)		2-2.5	(u)	**1**	---	---	---	---	12	---	---	---	---	170	---	---	---	<0.5	---	---	---	226
		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	165
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38
		11.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
		13-14	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10
B-136	06/16/00	0-0.5	(u)	**3**	<5	165	<4	3	**21**	<5	24	0.06	46	224	**0.19**	11	<0.8	**1**	<1	<5	13	250
	Duplicate 12	0-0.5	(u)	**2**	<5	149	<4	3	**27**	<5	16	<0.04	42	245	**2.5**	13	<0.8	**2**	<1	<5	13	254
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	---	**35**	---	---	---	---	---	**0.13**	---	---	**1**	---	---	---	276

Table 17. Grain Elevator Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-137	06/16/00	0-0.5	(u)	**4**	5	286	<4	2	**28**	7	25	0.21	32	**418**	<0.05	17	<0.8	**1**	**7**	<5	35	208
(Grain elevator)		2-2.5	(u)	**2**	---	---	---	---	**55**	---	---	---	---	**460**	---	---	---	**1**	**2**	---	---	686
		5.5	(u)	**2**	---	---	---	---	**15**	---	---	---	---	287	---	---	---	<0.5	<1	---	---	305
		8.5	(u)	**2**	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	36
		11-12	(s)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38
B-138	06/16/00	0-0.5	(u)	**3**	**7**	376	<4	**18**	**121**	**12**	**66**	<0.04	**164**	204	**0.87**	**57**	**2**	**3**	<1	6	10	1750
(Grain elevator)		2-2.5	(s)	<0.8	---	---	---	<1	**44**	**11**	<5	---	<5	---	<0.05	21	<0.8	<0.5	---	---	---	14
B-139	06/16/00	0-0.5	(u)	**1**	<5	170	<4	<1	**30**	<5	5	<0.04	<5	151	<0.05	14	<0.8	**3**	<1	<5	7	45
(Grain elevator)		2-2.5	(u)	**1**	---	---	---	---	14	---	---	---	---	---	---	---	---	<0.5	---	---	---	48
		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49
		17.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62
		20.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53
		23.5-24	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-196	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	---	---	---	<0.5	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-139)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-197	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	**440**	---	---	---	---	<1	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---
(step out from B-132)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		15-16	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-198	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	---	---	---	<0.5	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-130)																						

Table 17. Grain Elevator Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-199	11/08/01	0-0.5	(u)	<0.8	---	---	---	12	9.1	7.1	38	---	49	---	**0.24**	7.9	<0.8	**0.57**	---	---	---	---
	Duplicate	0-0.5	(u)	<0.8	---	---	---	12	8.3	5.9	33	---	45	---	**0.21**	7.2	<0.8	**0.67**	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	<5	9.5	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-138)																						
B-200	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	8.7	**9.9**	---	---	---	---	0.05	7	---	<0.5	---	---	---	---
(Grain Elev.)																						
(step out from B-131)																						
B-201	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	12	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---
(Grain Elev.)		2-2.5	(u)	---	---	---	---	---	8.2	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---
(step out from B-136)																						
B-202	11/08/01	0-0.5	(u)	<0.8	---	136	---	---	18	---	---	---	---	---	---	9.4	---	<0.5	<1	---	<5	---
(Grain Elev.)		2-2.5	(s)	---	---	**620**	---	---	20	---	---	---	---	---	---	11	---	<0.5	<1	---	---	---
(step out from B-133)																						
B-203	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	<0.05	---	---	<0.5	<1	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	<0.5	---	---	---	---
(step out from B-134)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	0.54	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11-12	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-204	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	**20**	---	---	---	---	**365**	---	---	---	<0.5	---	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(step out from B-135)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-205	11/08/01	0-0.5	(u)	<0.8	---	---	---	---	13	---	---	---	---	**407**	---	---	---	<0.5	<1	---	---	---
	Duplicate B-205	0-0.5	(u)	<0.8	---	---	---	---	13	---	---	---	---	**431**	---	---	---	<0.5	<1	---	---	---
(Grain Elev.)		2-2.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	315	---	---	---	<0.5	<1	---	---	---
(step out from B-137)		5.5	(u)	<0.8	---	---	---	---	**15**	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 17. Grain Elevator Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) *Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in italics.*
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 18. Former Sludge Drying Beds Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-46	06/22/00	0-0.5	(u)	**3**	<5	165	<4	9	12	<5	10	<0.04	12	258	**0.13**	9	<0.8	<0.5	<1	<5	17	551
	Duplicate 25	0-0.5	(u)	3	<5	164	<4	**23**	9	<5	**11**	<0.04	14	272	<0.05	8	<0.8	<0.5	**2**	<5	14	915
		2-2.5	(u)	<0.8	---	---	---	7	---	---	---	---	---	---	<0.05	---	---	---	1	---	---	55
		5.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	37
(former sludge		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38
drying beds)		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18
B-47	06/22/00	0-0.5	(u)	**4**	6	168	<4	**12**	**19**	8	26	<0.04	53	321	<0.05	12	<0.8	<0.5	<1	7	16	1650
(former sludge		2-2.5	(u)	<0.8	---	---	---	<1	**15**	---	---	---	---	---	---	---	---	---	---	---	---	41
drying beds)		5.5	(u)	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	35
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35
		11.5-12	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27
B-48	06/23/00	0-0.5	(u)	**3**	<5	561	<4	**27**	**25**	6	16	<0.04	20	**361**	<0.05	14	<0.8	**1**	<1	<5	34	1560
(former sludge		2-2.5	(u)	3	---	---	---	<1	14	---	---	---	---	295	---	---	---	<0.5	---	---	---	88
drying beds)		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38
		11.5-12	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
---	Not analyzed
(u)	Unsaturated soil sample.
(s)	Saturated soil sample.
(dup)	Duplicate soil sample.
(SPLP)	Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
MSCs	Medium specific concentrations

Table 18. Former Sludge Drying Beds Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

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)

Adjusted GW Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater - 30 TAC Chapter 335.559(d)(3))

* Surface soil sample adjacent to previously constructed background soil boring.

a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.

b 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.

c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 19. Reactor Clarifier Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-41	06/19/00	0-0.5	(u)	7	23	245	<4	72	75	9	138	<0.04	425	504	1.4	32	1	6	<1	26	18	8,745
	Duplicate 17	0-0.5	(u)	11	36	245	<4	120	73	11	208	<0.04	492	576	0.22	29	<0.8	6	<1	35	30	10,610
		2-2.5	(u)	1	<5	---	---	2	18	<5	6	---	12	190	<0.05	10	<0.8	<0.5	---	<5	---	185
(reactor clarifier)		5.5	(u)	1	---	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	204
		8.5	(u)	2	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---	---	1760
		11.5	(u)	2	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	531
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	829
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	745
B-42	06/19/00	0-0.5	(u)	38	129	341	<4	93	40	11	433	0.07	1,730	933	1.9	21	2	13	<1	156	15	15,580
	Duplicate 15	0-0.5	(u)	40	61	149	<4	89	19	<5	181	0.06	921	637	2.7	12	<0.8	12	<1	81	11	9,134
		2-2.5	(u)	1	6	---	---	<1	16	5	10	---	11	362	<0.05	---	<0.8	<0.5	---	<5	---	66
(reactor clarifier)		5.5	(u)	1	---	---	---	---	16	---	---	---	---	302	---	---	---	---	---	---	---	52
		8.5	(u)	2	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	106
		11.5	(u)	2	---	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	21
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14
B-43	06/19/00	0-0.5	(u)	<0.8	<5	449	<4	6	16	7	80	<0.04	97	155	0.15	27	1	2	2	5	19	354
	Duplicate 16	0-0.5	(u)	<0.8	<5	444	<4	5	23	5	54	<0.04	32	203	<0.05	14	<0.8	1	2	<5	24	320
		2-2.5	(u)	---	---	---	---	---	44	---	66	---	---	---	0.09	17	1	1	2	---	---	2260
(reactor clarifier)		5.5	(u)	---	---	---	---	---	14	---	7	---	---	---	<0.05	---	<0.8	<0.5	1	---	---	78
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15
B-44	06/15/00	0-0.5	(u)	5	28	369	<4	99	60	60	287	0.16	431	917	2.1	35	5	4	3	36	20	7725
(reactor clarifier)		2-2.5	(u)	3	10	---	---	17	20	7	55	---	95	256	0.3	10	2	1	1	12	---	1810
		5.5	(u)	3	9	---	---	8	14	---	39	---	77	---	0.19	---	<0.8	1	---	12	---	2280
		8.5	(u)	2	---	---	---	2	---	---	18	---	21	---	<0.05	---	---	<0.5	---	<5	---	433
		11.5	(u)	1	---	---	---	---	---	---	<5	---	---	---	---	---	---	---	---	---	---	32
		14.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18
		15-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22
B-45	06/15/00	0-0.5	(u)	<0.8	22	185	<4	31	204	36	269	0.59	59	193	0.3	74	5	<0.5	8	8	27	1588
(reactor clarifier)		2-2.5	(u)	---	8	---	---	36	19	11	37	<0.04	---	---	0.11	35	<0.8	---	8	<5	---	965
		5.5	(u)	---	---	---	---	<1	12	<5	56	---	---	---	1.8	8	---	---	4	---	---	197
		8.5	(u)	---	---	---	---	---	---	---	50	---	---	---	0.17	---	---	---	3	---	---	434
		11.5	(u)	---	---	---	---	---	---	---	<5	---	---	---	<0.05	---	---	---	1	---	---	186
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	228

Table 19. Reactor Clarifier Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 20. Facility No. 1 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-67	06/15/00	0-0.5	(u)	<0.8	<5	161	12	326	17	8	407	<0.04	56	1297	0.1	16	<0.8	2	<1	12	18	52100
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	<1	---	---	8	---	---	349	<0.05[a]	---	---	<0.5	---	<5	---	103
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	180
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	138
		11.5-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73
B-68	06/27/00	0-0.5	(u)	2	<5	134	<4	129	13	11	25	<0.04	9	1528	<0.05	20	<0.8	<0.5	<1	<5	18	40160
(Facility No. 1)		2-2.5	(u)	4	---	---	---	302	---	10	---	---	---	1560	---	---	---	---	---	---	---	14400
		5.5	(u)	3	---	---	---	2	---	7	---	---	---	445	---	---	---	---	---	---	---	247
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35
		15.7-16	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
B-69	06/15/00	0-0.5	(u)	<0.8	<5	132	6	512	67	68	295	<0.04	14	746	<0.05	149	3	<0.5	<1	6	15	25520
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	27	11	7	51	---	---	872	---	11	<0.8	---	---	---	---	29520
		5.5	(u)	---	---	---	---	54	---	---	16	---	---	2200	---	---	---	---	---	---	---	74080
		8.5	(u)	---	---	---	---	2	---	---	---	---	---	269	---	---	---	---	---	---	---	779
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	273
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2340
		15.6-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26790
B-70	06/19/00	0-0.5	(u)	<0.8	<5	131	<4	875	16	8	13	0.11	10	545	<0.05	11	<0.8	<0.5	5	<5	17	6,289
(Facility No. 1)		2-2.5	(u)	---	---	---	---	13	16	---	---	---	---	311	---	---	---	---	2	---	---	296
		5.5	(u)	---	---	---	---	16	15	---	---	---	---	---	---	---	---	---	2	---	---	342
		8.5	(u)	---	---	---	---	4	11	---	---	---	---	---	---	---	---	---	7	---	---	101
		11.5-12	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	---	---	90
B-182	11/06/01	0-0.5	(u)	---	---	---	4.7	<1.0	14	---	9.9	---	---	309	<0.05	---	---	<0.5	---	<5	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-67)																						
B-183	11/06/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-182)																						

Table 20. Facility No. 1 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				*490*	*200*	*58000*		*1500*	*350000*	*110000*	*74000*	*37000*	*1000*	*110000*	*9.6*	*12000*	*9200*	*2800*	*150*	*610000*	*2900*	*410000*
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 21. Facility No. 2 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-85	06/22/00	0-0.5	(u)	3	13	232	<4	62	15	7	74	0.22	178	584	0.13	15	<0.8	1	<1	6	19	3925
	Duplicate 23	0-0.5	(u)	7	36	430	<4	185	35	13	237	<0.04	375	1170	0.14	40	1	4	1	11	22	10940
		2-2.5	(u)	1	<5	---	---	2	11	5	9	<0.04	23	327	<0.05[a]	10	<0.8	<0.5	---	<5	---	149
(Facility #2)		5.5	(u)	1	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	2480
	Duplicate 51	5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	745
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1040
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31
		17.5-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24
B-86	06/28/00	0-0.5	(u)	1	6	222	<4	10	11	10	27	<0.04	27	276	0.051	8	<0.8	<0.5	2	<5	21	658
(Facility #2)		2-2.5	(u)	2	---	---	---	---	---	7	---	---	---	---	---	---	---	---	<1	---	---	132
		5.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		14.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
		16-16.5	(s)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24
B-87	06/22/00	0-0.5	(u)	2	<5	84	<4	345	19	13	17	0.17	22	1210	<0.05	12	<0.8	2	<1	<5	12	30480
(Facility #2)		2-2.5	(u)	1	---	---	---	39	12	6	---	---	---	805	---	---	---	1	---	---	---	3500
		5.5	(u)	<0.8	---	---	---	1	---	---	---	---	---	312	---	---	---	<0.5	---	---	---	104
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	93
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27
		16-16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29
B-88	06/28/00	0-0.5	(u)	<0.8	10	488	<4	1255	102	31	178	<0.04	30	357	<0.05	51	<0.8	<0.5	<1	<5	13	2440
	Duplicate 34	0-0.5	(u)	<0.8	10	221	<4	2440	59	43	188	0.15	26	529	<0.05	36	<0.8	<0.5	<1	<5	12	5292
		2-2.5	(u)	---	---	---	---	12	17	8	20	---	---	502	---	12.8	---	---	---	---	---	93
(Facility #2)		5.5	(u)	---	---	---	---	10	13	---	13	---	---	346	---	---	---	---	---	---	---	74
		8.5	(u)	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	183
		11.5	(u)	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28

Table 21. Facility No. 2 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
Adjusted GW Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater - 30 TAC Chapter 335.559(d)(3)))
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 22. Facility No. 3 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-92	06/29/00	0-0.5	(u)	1	<5	162	<4	5	25	63	17	<0.04	17	340	0.2	22	<0.8	1	2	<5	23	200
(Facility #3)		2-2.5	(u)	2	---	---	---	---	16	6	---	---	---	394	<0.05	---	---	<0.5	<1	---	---	108
		5.5	(u)	2	---	---	---	---	11	---	---	---	---	322	---	---	---	---	---	---	---	38
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
		14-14.5	(s)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28
B-93	06/27/00	0-0.5	(u)	<0.8	6	154	<4	105	23	9	78	<0.04	168	343	10	22	18	3	2	5	16	1430
(Facility #3)		2-2.5	(u)	---	---	---	---	1	14	---	13	---	10	344	0.6	---	<0.8	<0.5	<1	---	---	242
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	85
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26
B-94	06/27/00	0-0.5	(u)	1	6	86	<4	53	24	6	69	<0.04	192	147	0.4	12	1	4	1	<5	10	3712
(Facility #3)		2-2.5	(u)	4	---	---	---	12	12	---	25	---	28	---	0.055	---	<0.8	<0.5	---	---	---	789
		5.5	(u)	4	---	---	---	<1	---	---	11	---	---	---	---	---	---	---	---	---	---	55
		8.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43
		11.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		11.7-12.5	(s)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	166
B-95	06/23/00	0-0.5	(u)	4	<5	88	<4	22	12	8	30	0.06	61	310	0.07	25	<0.8	1	1	<5	9	722
(Facility #3)		2-2.5	(u)	2	---	---	---	<1	---	---	---	---	---	---	---	---	---	<0.5	<1	---	---	58
		5.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		14.3-15	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
B-186	11/06/01	0-0.5	(u)	<0.8	---	---	---	1.7	<5	---	14	---	7.6	---	<0.05	---	<0.8	<0.5	---	---	---	---
(Building No. 3)		2-2.5	(u)	<0.8	---	---	---	<1	---	---	14	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-94)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.7-12.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-187	11/06/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Building No. 3)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-186)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.7-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 22. Facility No. 3 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	[illegible]
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 23. West Cell House Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-71	06/14/00	0-0.5	(u)	<0.8	<5	65	<4	3	**28**	**20**	**178**	<0.04	31	**2356**	<0.05	17	<0.8	**1**	**3**	<5	13	983
(west cell house)		2-2.5	(u)	---	---	---	---	---	11	5	**20**	---	---	284	---	---	---	<0.5	<1	---	---	130
		5.5	(u)	---	---	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	118
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48
		20.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		22.5-23	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24
B-72	06/14/00	0-0.5	(u)	**2**	<5	66	<4	3	11	<5	**74**	<0.04	42	**1484**	<0.05	6	<0.8	<0.5	<1	<5	13	19120
(west cell house)		2-2.5	(u)	<0.8	---	---	---	---	---	---	10	---	---	93	---	---	---	---	---	---	---	836
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	616
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	676
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56
		17-17.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42
B-73	07/11/00	0-0.5	(u)	**0.9**	<5	80	<4	2	12	**13**	8	<0.04	15	201	<0.05	11	<0.8	<0.5	<1	9	15	251
(west cell house)		2-2.5	(u)	<0.8	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---	<5	---	220
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		20.5-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-74	06/14/00	0-0.5	(u)	<0.8	<5	79	<4	<1	**22**	6	10	<0.04	13	204	<0.05	16	<0.8	<0.5	**2**	<5	17	399
(west cell house)		2-2.5	(u)	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	**2**	---	---	318
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	53
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	41
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	31
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	---	---	45
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	42
		20.5-21	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2**	---	---	41

Table 23. West Cell House Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 24. NOR 43 Building Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-75	06/26/00	0-0.5	(u)	**3**	<5	56	<4	2	10	<5	6	<0.04	6	159	<0.05	6	<0.8	<0.5	**2**	<5	16	83
(NOR 43)		2-2.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	58
		5.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48
		8.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49
		11.5	(u)	**5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58
		14.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62
		17.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
		20.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	41
		23.5	(u)	**5**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57
		26-26.5	(s)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63
B-76	06/26/00	0-0.5	(u)	**4**	<5	215	<4	**23**	**32**	6	30	<0.04	27	**466**	0.09	18	<0.8	<0.5	<1	<5	21	1040
(NOR 43)		2-2.5	(u)	**2**	---	---	---	<1	**16**	---	---	---	---	**491**	<0.05	---	---	---	---	---	---	60
		5.5	(u)	**3**	---	---	---	---	13	---	---	---	---	370	---	---	---	---	---	---	---	47
		8.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	52
		11.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61
		14.5	(u)	**4**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	63
		17.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	51
		20.5	(u)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62
		23.4-24	(s)	**3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14
B-77	06/27/00	0-0.5	(u)	<0.8	<5	67	<4	<1	9	<5	6	<0.04	16	171	<0.05	6	<0.8	<0.5	**3**	<5	13	121
(NOR 43)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	45
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	55
		19.7-20	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15
B-78	06/27/00	0-0.5	(u)	<0.8	<5	122	<4	<1	13	6	7	<0.04	19	198	<0.05	8	<0.8	<0.5	**2**	<5	14	155
(NOR 43)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	---	---	43
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65
		17.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		19.5-20	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36

Table 24. NOR 43 Building Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Mangarlese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 25. Product Storage Building C Soil Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-33	06/26/00	0-0.5	(u)	2	6	228	<4	166	19	22	10	<0.04	22	1440	<0.05	16	<0.8	1	<1	<5	25	18820
	Duplicate 29	0-0.5	(u)	6	19	441	7	263	15	14	77	<0.04	201	1934	<0.05	13	<0.8	3	<1	<5	18	47720
		2-2.5	(u)	3	<5	755	<4	2	11	<5	7	---	9	531	---	---	---	<0.5	---	---	29	304
	Duplicate 30	2-2.5	(u)	<0.8	<5	701	<4	3	12	6	7	<0.04	9	573	<0.05	9	<0.8	<0.5	<1	<5	31	581
(Building C)		5.5	(u)	3	---	304	---	---	---	---	---	---	---	400	---	---	---	---	---	---	---	389
		8.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28
		11.5	(u)	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47
		13-14	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
B-34	06/26/00	0-0.5	(u)	3	<5	249	<4	426	77	28	490	<0.04	16	1490	0.13	40	<0.8	2	<1	<5	13	16750
(Building C)		2-2.5	(u)	2	---	292	---	53	14	6	66	---	---	392	---	10	---	<0.5	---	---	---	1690
		5.5	(u)	3	---	---	---	8	---	---	25	---	---	481	<0.05	---	---	---	---	---	---	404
		8.5	(u)	2	---	---	---	3	---	---	8	---	---	---	---	---	---	---	---	---	---	99
		11.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70
		14-14.5	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33
B-194	11/08/01	0-0.5	(u)	<0.8	<5	513	4.7	3.8	14	13	12	---	8.6	208	---	---	---	<0.5	---	---	32	---
(Building C)		2-2.5	(u)	<0.8	---	321	---	---	---	---	---	---	---	272	---	---	---	---	---	---	---	---
(Step out from B-33)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-195	11/07/01	0-0.5	(u)	---	---	---	---	---	---	26	---	---	---	---	---	---	---	---	---	---	---	---
	Duplicate B-195	0-0.5	(u)	---	---	---	---	---	---	22	---	---	---	---	---	---	---	---	---	---	---	---
(Building C)		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-194)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		13-14	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

Table 25. Product Storage Building C Soil Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 26. Product Storage Bins (Numbered Bins) Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-53	06/22/00	0-0.5	(u)	**7**	9	209	<4	**1214**	**15**	**32**	**52**	0.13	**195**	**721**	**0.22**	13	<0.8	**1**	<1	**20**	17	15810
(product storage		2-2.5	(u)	**2**	---	---	---	**1055**	12	6	12	---	13	**430**	<0.05[a]	---	---	<0.5	---	<5	---	15330
bins)		5.5	(u)	**1**	---	---	---	**16**	---	---	---	---	---	232	<0.05[a]	---	---	---	---	---	---	172
	Duplicate 49	5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	---
		8.5	(u)	**1**	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	36
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29
		14.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29
		17.5-18	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12
B-54	06/22/00	0-0.5	(u)	**2**	<5	323	<4	9	10	6	7	<0.04	11	**400**	<0.05	9	**1**	<0.5	1	<5	27	134
(product storage		2-2.5	(u)	**2**	---	---	---	---	---	---	---	---	---	**401**	---	---	<0.8	---	---	---	---	42
bins)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	155	---	---	---	---	---	---	---	50
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
		11.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18
		14-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11
B-55		0-0.5	(u)	**1**	<5	224	<4	<1	14	6	9	<0.04	8	**415**	<0.05	9	<0.8	<0.5	<1	<5	21	28
(product storage		2-2.5	(u)	**2.2**	---	---	---	---	---	---	---	---	---	**524**	---	---	---	---	---	---	---	---
bins)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	232	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		12-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-56	06/28/00	0-0.5	(u)	**1**	<5	211	<4	6	**16**	**36**	10	<0.04	10	**385**	<0.05	11	<0.8	**4**	1	<5	20	215
(product storage		2-2.5	(u)	**1**	---	---	---	---	12	7	---	---	---	260	---	---	---	<0.5	---	---	---	95
bins)		5.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
		8.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37
		11.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33
		14-15.5	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37
B-184	11/06/01	0-0.5	(u)	**571**	---	---	---	---	---	---	---	---	---	**9576**	---	---	---	---	---	---	---	---
	Duplicate B-184	0-0.5	(u)	**606**	---	---	---	---	---	---	---	---	---	10340	---	---	---	---	---	---	---	---
(Numbered Bins)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	323	---	---	---	---	---	---	---	---
(Step out from B-55)																						
B-185	11/06/01	0-0.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	265	---	---	---	---	---	---	---	---
(Numbered Bins)		2-2.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	204	---	---	---	---	---	---	---	---
(Step out from B-184)																						

Table 26. Product Storage Bins (Numbered Bins) Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		*60*	*100*	*20000*		*50*	*1000*	*61000*	*13000*	*2000*	*150*	*140000*	*20*	*20000*	*500*	*5100*	*20*	*610000*	*7200*	*310000*
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 27. Building North of Facility No. 2 (3-Sided Bin) Soil Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-89	07/10/00	0-0.5	(u)	3	11	114	<4	749	12	50	876	<0.04	27	251	<0.05	31	<0.8	<0.5	5	<5	14	11430
	Duplicate 44	0-0.5	(u)	3	24	117	<4	800	15	95	898	<0.04	29	482	<0.05	30	<0.8	<0.5	4	<5	16	16490
		2-2.5	(u)	<0.8	6	---	---	86	11	70	12	---	---	577	---	36	---	---	<5	---	---	2490
		5.5	(u)	---	---	---	---	6	---	8	---	---	---	347	---	11	---	---	<1	---	---	178
(3 sided bin)		8.5	(u)	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	102
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	69
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		15.8-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-90	07/10/00	0-0.5	(u)	4	38	100	<4	731	15	81	914	<0.04	47	381	<0.05	68	<0.8	<0.5	3	<5	12	14890
(3 sided bin)		2-2.5	(u)	<0.8	6	---	---	116	23	54	22	---	---	623	---	117	---	---	<5	---	---	3390
		5.5	(u)	---	---	---	---	45	12	13	10	---	---	281	---	17	---	---	<1	---	---	1120
		8.5	(u)	---	---	---	---	8	---	7	---	---	---	---	---	---	---	---	---	---	---	222
		11.5	(u)	---	---	---	---	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	37
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		17-18	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-91	07/10/00	0-0.5	(u)	3	7	110	<4	781	64	49	401	0.12	40	283	<0.05	466	<0.8	<0.5	3	5	15	8794
(3 sided bin)		2-2.5	(u)	<0.8	---	---	---	1971	10	523	12	---	---	---	---	55	---	---	<1	---	---	63510
		5.5	(u)	---	---	---	---	17	---	11	---	---	---	---	---	11	---	---	---	---	---	401
		8.5	(u)	---	---	---	---	1	---	6	---	---	---	---	---	---	---	---	---	---	---	63
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		16.16.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

Table 27. Building North of Facility No. 2 (3-Sided Bin) Soil Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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 335.59(d)(3)).
Adjusted GW Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 28. Old Casting Building Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-57	06/19/00	0-0.5	(u)	<0.8	6	210	<4	<1	11	6	22	<0.04	15	318	0.052	23	<0.8	<0.5	<1	<5	21	56
(old casting		2-2.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05	---	---	---	---	---	---	36
building)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9
		15.6-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7
B-58	06/19/00	0-0.5	(u)	<0.8	5	198	<4	<1	**17**	7	9	<0.04	9	254	<0.05	12	<0.8	<0.5	<1	<5	20	55
(old casting		2-2.5	(u)	---	---	---	---	---	**17**	---	---	---	---	---	---	---	---	---	---	---	---	46
building)		5.5	(u)	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	34
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7
		15.7-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9
B-59	06/19/00	0-0.5	(u)	<0.8	5	221	<4	3	**18**	**11**	12	<0.04	22	309	<0.05	**40**	<0.8	<0.5	<1	<5	16	577
(old casting		2-2.5	(u)	---	---	---	---	---	11	6	---	---	---	---	---	10	---	---	---	---	---	48
building)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18
		15.5-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10
B-60	06/19/00	0-0.5	(u)	**1**	10	244	<4	2	**18**	9	74	<0.04	27	**464**	**0.11**	14	<0.8	<0.5	**7**	<5	35	407
(old casting		2-2.5	(u)	**2**	---	---	---	---	**20**	---	**53**	---	---	238	**0.26**[a]	---	---	---	1	---	---	619
building)		5.5	(u)	**1**	---	---	---	---	9	---	6	---	---	---	<0.05[a]	---	---	---	---	---	---	34
		8.5	(u)	**2**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36
		10-11	(s)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40
B-180	11/07/01	0-0.5	(u)	---	---	---	---	---	**16**	5.3	---	---	---	---	---	11	---	---	---	---	---	---
(Old Casting Building)																						
(Step out from B-59)																						
B-181	11/07/01	0-0.5	(u)	---	---	---	---	---	8.3	5.6	---	---	---	---	---	5.2	---	---	---	---	---	---
(Old Casting Building)																						
(Step out from B-180)																						

Table 28. Old Casting Building Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 29. Storm Sewer System Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-108	06/20/00	0-0.5	(u)	4	12	296	<4	160	16	7	60	0.07	133	602	<0.05	12	<0.8	<0.5	1	17	22	6933
(storm sewer		2-2.5	(u)	2	6	209	<4	49	14	6	30	<0.04	52	420	<0.05	11	<0.8	<0.5	2	8	22	3234
system)		5.5	(u)	1	<5	384	<4	2	12	5	9	<0.04	11	308	<0.05	10	<0.8	<0.5	3	<5	29	143
		8.5	(u)	<0.8	<5	328	<4	<1	14	6	7	<0.04	10	355	<0.05	10	<0.8	<0.5	2	<5	32	53
		11.5	(u)	<0.8	<5	284	<4	<1	6	<5	<5	<0.04	5	218	<0.05	<5	<0.8	<0.5	2	<5	15	26
		14.5	(u)	<0.8	<5	68	<4	<1	91	13	<5	<0.04	<5	159	<0.05	43	<0.8	<0.5	<1	<5	6	25
		16.3-17	(s)	<0.8	<5	46	<4	<1	71	14	<5	<0.04	<5	142	<0.05	33	1	<0.5	1	<5	6	19
B-109	06/20/00	0-0.5	(u)	<0.8	<5	184	<4	240	66	18	16	<0.04	18	376	<0.05	36	<0.8	<0.5	2	<5	20	15900
(storm sewer		2-2.5	(u)	<0.8	<5	185	<4	4	12	5	10	<0.04	8	303	<0.05	10	<0.8	<0.5	2	<5	19	246
system)		5.5	(u)	<0.8	6	321	<4	<1	13	6	12	<0.04	9	401	<0.05	10	<0.8	3	1	<5	34	110
		8.5	(u)	<0.8	<5	125	<4	<1	11	<5	9	<0.04	7	269	<0.05	9	<0.8	<0.5	2	<5	16	37
	Duplicate 20	8.5	(u)	<0.8	<5	170	<4	<1	16	5	12	<0.04	8	228	<0.05	12	<0.8	<0.5	2	<5	16	40
		11.5	(u)	<0.8	<5	116	<4	<1	46	8	<5	<0.04	<5	271	<0.05	23	<0.8	<0.5	7	<5	10	56
		14-14.5	(s)	<0.8	<5	49	<4	<1	85	14	<5	<0.04	<5	112	<0.05	40	2	<0.5	3	<5	6	22
B-110	06/14/00	0-0.5	(u)	7	30	441	<4	109	60	16	443	<0.04	2150	727	0.24	45	2	19	2	25	20	8113
	Duplicate 8	0-0.5	(u)	22	104	444	7	374	82	52	1380	0.66	4214	1370	1.4	93	3	31	<1	58	14	27130
		2-2.5	(u)	<0.8	5	273	<4	1	22	<5	16	<0.04	25	280	<0.05	13	<0.8	2	7	<5	25	147
		5.5	(u)	<0.8	6	226	<4	<1	13	6	9	<0.04	13	372	<0.05	10	<0.8	1	5	<5	33	62
(storm sewer		8.5	(u)	<0.8	<5	212	<4	2	17	<5	16	<0.04	32	237	<0.05	10	<0.8	<0.5	2	<5	20	353
system)		11.5	(u)	<0.8	9	56	<4	<1	22	7	12	<0.04	11	436	<0.05	15	<0.8	<0.5	4	<5	43	81
		14.5	(u)	<0.8	11	267	<4	<1	18	10	11	<0.04	11	1480	<0.05	15	<0.8	<0.5	2	<5	37	57
		15.5-16	(s)	<0.8	<5	240	<4	<1	16	<5	5	<0.04	7	294	<0.05	9	<0.8	<0.5	2	<5	12	26
B-111	06/14/00	0-0.5	(u)	61	412	886	20	545	183	383	3785	2.2	11970	24850	3.7	288	6	73	<1	154	31	48330
	Duplicate 7	0-0.5	(u)	112	698	1329	18	696	215	291	5575	5.5	18730	37330	2.8	234	11	144	<1	234	43	78920
		2-2.5	(u)	6	24	207	<4	24	52	17	282	<0.04	1490	6229	0.47	34	<0.8	12	<1	10	23	12900
		5.5	(u)	2	10	384	<4	3	18	8	32	<0.04	70	1040	0.26	13	<0.8	<0.5	2	5	51	2250
(storm sewer		8.5	(u)	<0.8	<5	227	<4	<1	12	<5	12	<0.04	13	301	<0.05	9	<0.8	2	2	<5	40	88
system)		11.5	(u)	1	6	254	<4	<1	14	7	11	<0.04	13	354	<0.05	11	<0.8	<0.5	2	<5	31	61
		14.5	(u)	1	6	223	<4	<1	12	7	18	<0.04	34	430	<0.05	10	<0.8	1	2	<5	25	118
		17.5	(u)	2	7	269	<4	<1	16	9	15	<0.04	38	439	<0.05	13	<0.8	<0.5	2	<5	34	84
		20-20.5	(s)	2	9	371	<4	<1	18	9	25	<0.04	93	649	<0.05	14	1	3	2	<5	40	150
B-112	06/27/00	0-0.5	(u)	<0.8	<5	100	<4	4	81	5	15	<0.04	35	190	0.16	36	<0.8	2	<1	<5	8	584
(storm sewer		2-2.5	(u)	<0.8	<5	449	<4	<1	17	6	11	<0.04	9	367	<0.05	12	<0.8	<0.5	1	<5	36	55
system)		5.5	(u)	<0.8	<5	384	<4	<1	12	6	9	<0.04	10	321	<0.05	9	<0.8	<0.5	2	<5	34	71
	Duplicate 33	5.5	(u)	1	<5	370	<4	<1	18	7	9	<0.04	11	373	<0.05	11	<0.8	<0.5	3	<5	47	118
		8.5	(u)	<0.8	<5	311	<4	<1	12	6	9	<0.04	15	341	<0.05	9	<0.8	<0.5	1	<5	27	116
		11.5	(u)	<0.8	7	298	<4	<1	14	8	10	<0.04	11	420	<0.05	12	<0.8	<0.5	1	<5	32	58
		14.5	(u)	1	8	569	<4	<1	15	9	12	<0.04	13	751	<0.05	14	<0.8	<0.5	<1	<5	33	75
		17.5	(u)	1	7	314	<4	<1	15	7	10	<0.04	11	424	<0.05	13	<0.8	<0.5	<1	<5	29	57
		18.5-19	(s)	<0.8	<5	111	<4	<1	24	8	<5	<0.04	<5	171	<0.05	15	<0.8	<0.5	<1	<5	6	15

Table 29. Storm Sewer System Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-113	06/22/00	0-0.5	(u)	19	415	712	7	1548	45	44	1670	0.75	2150	3080	0.5	107	2	11	<1	24	20	32860
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.14*	*<0.1*	*2.1*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*14*
(storm sewer		2-2.5	(u)	3	6	125	<4	411	14	6	26	<0.04	20	414	<0.05	11	<0.8	<0.5	<1	<5	13	2825
system)		5.5	(u)	3	<5	329	<4	3	14	6	10	<0.04	10	378	<0.05	10	<0.8	<0.5	<1	<5	33	76
	Duplicate 24	5.5	(u)	3	<5	362	<4	2	18	7	12	<0.04	12	387	<0.05	11	<0.8	<0.5	2	<5	37	120
		8.5	(u)	3	<5	267	<4	1	13	7	7	<0.04	11	372	<0.05	11	<0.8	<0.5	6	<5	32	62
		11.5	(u)	3	7	438	<4	<1	11	8	9	<0.04	12	469	<0.05	11	<0.8	<0.5	4	<5	29	53
		14.5	(u)	3	8	189	<4	1	8	7	5	<0.04	10	1679	<0.05	5	<0.8	<0.5	<1	<5	16	37
		17.3-18	(s)	2	<5	145	<4	480	12	<5	6	<0.04	5	962	<0.05	7	<0.8	<0.5	<1	<5	11	1500
B-114	07/10/00	0-0.5	(u)	<0.8	<5	88	<4	9	11	14	21	<0.04	37	228	8.1	8	1.4	1.3	<1	<5	16	589
(storm sewer		2-2.5	(u)	1.9	11	208	<4	94	13	10	82	<0.04	150	553	15	14	1.8	2.4	9	<5	32	2170
system)		5.5	(u)	1.1	6	268	<4	5	12	6	17	<0.04	19	318	<0.05	10	0.8	<0.5	3	<5	33	320
		8.5	(u)	1.2	6	300	<4	3	10	6	10	<0.04	13	368	0.08	9	<0.8	<0.5	2	<5	30	144
		11.5	(u)	0.9	<5	257	<4	<1	9	5	7	<0.04	8	291	<0.05	7	<0.8	<0.5	2	<5	24	41
		14-14.5	(s)	0.9	<5	177	<4	<1	5	<5	<5	<0.04	<5	193	<0.05	<5	<0.8	<0.5	2	<5	14	24
B-115	06/26/00	0-0.5	(u)	<0.8	<5	147	<4	2	15	6	7	<0.04	9	273	<0.05	9	<0.8	<0.5	1	<5	21	358
(storm sewer		2-2.5	(u)	<0.8	<5	314	<4	<1	12	6	7	<0.04	9	277	<0.05	9	<0.8	<0.5	1	<5	26	85
system)		5.5	(u)	<0.8	5	360	<4	<1	14	6	7	<0.04	8	294	<0.05	9	<0.8	<0.5	1	<5	41	57
		8.5	(u)	<0.8	<5	200	<4	<1	16	7	8	<0.04	9	361	<0.05	13	<0.8	<0.5	<1	<5	35	53
		11.5	(u)	<0.8	<5	274	<4	<1	8	<5	6	<0.04	6	261	<0.05	6	<0.8	<0.5	<1	<5	20	32
		14-14.5	(s)	<0.8	<5	201	<4	<1	5	<5	<5	<0.04	6	327	<0.05	6	<0.8	<0.5	<1	<5	14	29
B-116	06/27/00	0-0.5	(u)	<0.8	<5	140	<4	6	18	6	8	<0.04	12	229	<0.05	11	<0.8	<0.5	<1	<5	17	178
(storm sewer		2-2.5	(u)	<0.8	<5	278	<4	<1	9	<5	6	<0.04	7	237	<0.05	7	<0.8	<0.5	3	<5	18	32
system)		5.5	(u)	1	6	435	<4	<1	13	5	9	<0.04	8	289	<0.05	9	<0.8	<0.5	8	<5	47	41
		8.5	(u)	<0.8	<5	301	<4	<1	17	8	8	<0.04	9	366	<0.05	12	<0.8	<0.5	3	<5	39	55
	Duplicate 31	8.5	(u)	2	<5	281	<4	1	15	8	9	<0.04	10	374	<0.05	11	<0.8	<0.5	2	<5	34	309
		11.5	(u)	1	8	320	<4	<1	19	10	11	<0.04	12	520	<0.05	14	<0.8	<0.5	3	<5	41	67
	Duplicate 32	11.5	(u)	2	7	288	<4	<1	18	8	10	<0.04	11	410	<0.05	13	<0.8	<0.5	7	<5	36	111
		14.5	(u)	<0.8	10	698	<4	<1	11	8	8	<0.04	9	792	<0.05	10	<0.8	<0.5	2	<5	25	40
		16.5-17	(s)	<0.8	<5	169	<4	<1	8	<5	<5	<0.04	5	183	<0.05	6	<0.8	<0.5	1	<5	15	22
B-117	06/23/00	0-0.5	(u)	4	<5	236	<4	9	15	<5	41	<0.04	100	153	<0.05	8	<0.8	3	<1	<5	22	731
	Duplicate 28	0-0.5	(u)	3	<5	274	<4	1	11	<5	8	<0.04	11	302	<0.05	7	<0.8	<0.5	2	<5	25	95
		2-2.5	(u)	4	7	219	<4	35	19	7	46	0.11	73	450	0.19	12	2	1	<1	<5	24	5054
		5.5	(u)	3	5	473	<4	<1	19	6	11	<0.04	12	333	<0.05	17	<0.8	<0.5	<1	<5	44	125
(storm sewer		8.5	(u)	3	6	374	<4	<1	16	7	8	<0.04	10	353	<0.05	10	<0.8	<0.5	<1	<5	40	57
system)		11.5	(u)	3	8	273	<4	<1	18	9	11	<0.04	12	511	<0.05	14	<0.8	<0.5	<1	<5	39	66
		14-15	(s)	3	<5	292	<4	<1	9	6	7	<0.04	9	334	<0.05	7	<0.8	<0.5	<1	<5	22	37

Table 29. Storm Sewer System Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				*490*	*200*	*58000*		*1500*	*350000*	*110000*	*74000*	*37000*	*1000*	*110000*	*9.6*	*12000*	*9200*	*2800*	*150*	*610000*	*2900*	*410000*
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 30. North and South Demin Tank Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-49	06/15/00	0-0.5	(u)	2	13	409	<4	37	63	34	254	<0.04	423	462	0.43	42	<0.8	2	1	23	30	3715
	Duplicate 10	0-0.5	(u)	5	31	409	<4	54	99	24	271	0.14	722	645	0.62	48	<0.8	2	1	33	25	7562
(north/south		2-2.5	(u)	2	6	---	---	2	15	<5	24	---	64	255	0.12[a]	8	---	<0.5	---	8	---	775
demin tanks)		5.5	(u)	2	---	---	---	---	15	---	7	---	10	---	<0.05[a]	---	---	---	---	<5	---	54
		8.5	(u)	2	---	---	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	73
		11.5	(u)	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		14-14.5	(s)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39
B-50	06/15/00	0-0.5	(u)	3	17	339	<4	36	73	9	165	2.8	424	651	0.51	29	<0.8	2	<1	32	29	6892
	Duplicate 9	0-0.5	(u)	3	18	674	<4	6	60	8	99	2.2	301	586	0.23	19	<0.8	1	2	34	29	4347
(north/south		2-2.5	(u)	3	6	---	---	<1	17	---	12	<0.04[a]	16	373	0.05[a]	13	---	<0.5	2	<5	---	160
demin tanks)		5.5	(u)	2	---	---	---	---	15	---	---	<0.04[a]	---	334	<0.05[a]	---	---	---	1	---	---	48
		8.5	(u)	1	---	---	---	---	11	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	58
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
		12.5-13	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	486
B-51	06/15/00	0-0.5	(u)	3	14	299	<4	24	165	17	291	2.6	675	372	0.4	48	<0.8	3	<1	22	16	5798
	Duplicate 11	0-0.5	(u)	3	18	242	<4	20	169	12	294	1.6	495	447	0.16	54	<0.8	2	<1	23	18	5508
(north/south		2-2.5	(u)	11	32	---	---	24	104	6	477	4.2[a]	647	682	1.3[a]	15	---	3	---	54	---	11940
demin tanks)		5.5	(u)	<0.8	6	---	---	<1	16	---	13	<0.04[a]	14	344	<0.05[a]	---	---	<0.5	---	<5	---	138
		8.5	(u)	---	---	---	---	---	13	---	---	<0.04[a]	---	---	---	---	---	---	---	---	---	57
	Duplicate 48	8.5	(u)	---	---	---	---	---	---	---	---	<0.04[a]	---	---	<0.05	---	---	---	---	---	---	---
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
		12.5-13	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	327
B-52	06/15/00	0-0.5	(u)	<0.8	<5	181	<4	4	46	7	23	<0.04	66	312	0.07	25	<0.8	1	<1	<5	22	707
(north/south		2-2.5	(u)	---	---	---	---	---	13	---	---	---	---	---	---	---	---	<0.5	---	---	---	70
demin tanks)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59
		14.5-15	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25

Table 30. North and South Demin Tank Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
0-0.5':					16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
2-2.5':					8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':			(u)		21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:			(s)		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[c]																						
SAI-Ind (mg/kg):				490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
Adjusted GWP-Ind (mg/kg):				60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
Adjusted GW (mg/L):				0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b 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.
c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 31. Storm Sewer System Excavated Soil Analytical Results Summary - (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
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
Soil Background Concentrations																				
0-0.5':			16.65		4.9	11.70	9.72		40.33	0.09	333.73	25.80	109.16		0.89	7.65			b	0.24
2-2.5':			8.01			4.47			17.20		360.83	27.21	54.36							
saturated below 2.5':	(u)		21.86			4.97			16.15		592.50	29.74	38.96							
aturated soil sample:	(s)		9.8			3.64			18.26		686.68	25.86	30.92							
clay/silt strata:		0.54		720				14.9						0.77			1.02	35.6		
sand strata (SP/SW):		0.50		202				35.9						0.80			1.0	15.7		
TNRCC RRS2 MSCs[c]																				
SAI-Ind (mg/kg):		2800	200	58000		1500	110000	350000	74000	9.6	110000	12000	1000	490	9200	610000	150	2900	410000	37000
Adjusted GWP-Ind (mg/kg):		5100	100	20000		50	61000	1000	13000	20	140000	20000	150	60	500	610000	20	7200	310000	2000
Adjusted GW (mg/L):		51	1	200		0.5	610	10	130	0.2	1400	200	1.5	0.6	5	6100	0.2	72	3100	20

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
---	Not analyzed
(u)	Unsaturated soil sample.
(s)	Saturated soil sample.
(dup)	Duplicate soil sample.
(SPLP)	Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
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 335.59(d)(3)).
Adjusted GW	Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater)

* Surface soil sample adjacent to previously constructed background soil boring.

a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.

b 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.

c 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 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 32. Analytical Results Summary - Boneyard Materials - 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	Flash Point	Reactivity (cyanide)	Reactivity (sulfide)	pH
* BONEYARD COMPOSITE 1	7/26/2000	23	98	229	12	131	6.0	11	887	0.11	188	32	1840	34	2	21	<1	<5	14370	>200	<0.1	<1.5	4.9
Dup Comp 1	7/26/2000	1	6	42	<4	27	<5	<5	72	<0.05	46	11	129	1	1	<5	2	<5	2030	>200	<0.1	<1.5	5.2
Comp 1A	***5/7/2001***	***<0.5***	***<5***	***19***	***<4***	***6.1***	***<5***	***<5***	***22***	***0.058***	***62***	***6.4***	***28***	***1.5***	***2.3***	***<5***	***1.9***	***<5***	***343***	***>200***	***<0.1***	***<1.5***	***4.2***
* BONEYARD COMPOSITE 2	7/26/2000	2	6	132	<4	34	6.0	9	218	0.15	60	21	523	3.0	1	10	1	<5	2430	>200	<0.1	<1.5	5.2
Comp 2A	***5/7/2001***	***0.8***	***<5***	***10***	***<4***	***29***	***<5***	***<5***	***29***	***0.062***	***74***	***<5***	***78***	***1.7***	***2.7***	***<5***	***1.6***	***<5***	***2791***	***>200***	***<0.1***	***<1.5***	***3.9***
* BONEYARD COMPOSITE 3	7/26/2000	6	8	47	<4	93	<5	<5	332	0.45	63	9	1470	3.0	1	8	<1	<5	3488	>200	<0.1	<1.5	4.9
Comp 3A	***5/7/2001***	***<0.5***	***<5***	***25***	***<4***	***14***	***<5***	***<5***	***14***	***0.054***	***160***	***<5***	***49***	***<0.8***	***3.3***	***<5***	***2.5***	***<5***	***708***	***>200***	***<0.1***	***<1.5***	***4.3***
* BONEYARD COMPOSITE 4	7/26/2000	9	26	150	5	784	24	7	1460	0.078	155	29	2580	9.0	1	16	2	<5	14330	>200	<0.1	<1.5	5.6
Comp 4A	***5/7/2001***	***<0.5***	***<5***	***46***	***<4***	***5.5***	***<5***	***<5***	***23***	***0.057***	***23***	***8.1***	***68***	***<0.8***	***2.9***	***<5***	***2.3***	***<5***	***178***	***>200***	***<0.1***	***<1.5***	***3.4***
* BONEYARD COMPOSITE 5	7/26/2000	4	14	139	<4	149	6	5	347	0.12	64	27	1140	5.0	2	11	1	<5	4236	>200	<0.1	<1.5	5.3
Comp 5A	***5/7/2001***	***<0.5***	***<5***	***11***	***<4***	***39***	***<5***	***<5***	***31***	***<0.05***	***12***	***<5***	***105***	***<0.8***	***2.2***	***<5***	***1.1***	***<5***	***1651***	***>200***	***<0.1***	***<1.5***	***4.1***
BONEYARD COMPOSITE 6	7/18/2000	28.6	98	456	<4	266	50	225	1420	23	1360	194	2740	13.2	15.4	119	<5	30	27150	>200	<0.1	<1.5	8.1
BONEYARD COMPOSITE 7	7/18/2000	51.6	200	541	<4	714	48	86	1250	3.5	1240	65	21230	11.8	6.7	66	<5	22	35230	>200	<0.1	<1.5	7.4
BONEYARD COMPOSITE 8	7/18/2000	8.7	57	708	<4	1623	47	354	3596	9.3	784	75	1200	8.4	6	36	<5	16	16260	>200	<0.1	<1.5	6.6
Dup Comp 8	7/18/2000	62.7	98	572	<4	2201	70	94	3877	35	1170	85	1720	12.7	7.5	49	<5	26	24090	>200	<0.1	<1.5	7.2
BONEYARD COMPOSITE 9	7/18/2000	14.8	160	355	<4	588	78	64	1520	2.1	1390	91	1720	16.1	6.1	99	<5	17	18860	>200	<0.1	<1.5	8.3

* Denotes wooden railroad tie sample

— Not analyzed

Dup Duplicate

Notes: (1) *Flashpoint reported in degrees F.*

(2) Numbers in ***bold italics*** represent samples of wooden railroad ties on May 7, 2001 using a 2-inch-diameter stainless steel core barrel.

Table 33. Analytical Results Summary - Boneyard Materials - TCLP Metals and TCLP SVOCs (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	SVOCs
* BONEYARD COMPOSITE 1	7/26/2000	<0.05	<0.10	0.45	3.6	<0.1	<0.0005	0.4	23.0	<0.10	<0.10	<0.10	<0.01	230.0	ND
(duplicate)	7/26/2000	<0.05	0.11	0.32	1.3	<0.1	<0.0005	0.17	3.1	<0.10	<0.10	<0.10	<0.10	136	ND
Comp 1A	***5/7/2001***	***<0.05***	***<0.1***	***0.28***	***<0.05***	***<0.1***	***<0.0005***	***<0.1***	***0.14***	***<0.1***	***<0.1***	***<0.1***	***<0.1***	***2.6***	***ND***
* BONEYARD COMPOSITE 2	7/26/2000	<0.05	0.12	0.55	0.76	<0.10	<0.0005	0.33	6.0	<0.10	<0.10	<0.10	<0.10	58.0	ND
Comp 2A	***5/7/2001***	***<0.05***	***<0.1***	***0.21***	***0.39***	***<0.1***	***<0.0005***	***<0.1***	***1.4***	***<0.1***	***<0.1***	***<0.1***	***<0.1***	***43.0***	***ND***
* BONEYARD COMPOSITE 3	7/26/2000	<0.05	0.1	0.82	1.0	<0.10	<0.0005	0.22	3.2	<0.10	<0.10	<0.10	<0.10	36.0	ND
Comp 3A	***5/7/2001***	***<0.05***	***<0.1***	***0.18***	***0.13***	***<0.1***	***<0.0005***	***<0.1***	***0.51***	***<0.1***	***<0.1***	***<0.1***	***<0.1***	***8.0***	***0.7 3 & 4-Methylphenol*** ***0.3 2-Methylphenol***
* BONEYARD COMPOSITE 4	7/26/2000	<0.05	0.2	0.39	3.8	<0.10	<0.0005	0.19	6.2	<0.10	<0.10	<0.10	<0.10	107.0	ND
Comp 4A	***5/7/2001***	***<0.05***	***<0.1***	***0.22***	***<0.05***	***<0.1***	***<0.0005***	***<0.1***	***0.14***	***<0.1***	***<0.1***	***<0.1***	***<0.1***	***1.1***	***0.14 3 & 4-Methylphenol*** ***0.17 2-Methylphenol***
* BONEYARD COMPOSITE 5	7/26/2000	<0.05	<0.1	0.46	1.1	<0.10	<0.0005	0.32	2.1	<0.10	<0.10	<0.10	<0.10	32.0	ND
Comp 5A	***5/7/2001***	***<0.05***	***<0.1***	***0.23***	***0.62***	***<0.1***	***<0.0005***	***<0.1***	***0.35***	***<0.1***	***<0.1***	***<0.1***	***<0.1***	***25.0***	***ND***
BONEYARD COMPOSITE 6	7/18/2000	<0.05	<0.10	0.54	3.4	<0.10	0.0013	0.34	5.9	<0.10	<0.10	<0.10	<0.10	240.0	---
BONEYARD COMPOSITE 7	7/18/2000	<0.05	<0.10	0.27	5.8	<0.10	<0.0005	0.22	8.5	<0.10	<0.10	<0.10	<0.10	300.0	---
BONEYARD COMPOSITE 8	7/18/2000	<0.05	<0.10	0.32	22.0	<0.10	<0.0005	0.26	7.9	<0.10	<0.10	<0.10	<0.10	340.0	---
(duplicate)	7/18/2000	<0.05	<0.10	0.29	20.0	<0.10	<0.0005	0.3	7.3	<0.10	<0.10	<0.10	<0.10	350.0	---
BONEYARD COMPOSITE 9	7/18/2000	<0.05	<0.10	0.32	7.2	<0.10	<0.0005	0.47	3.3	<0.10	<0.10	<0.10	<0.10	260.0	---

Table 33. Analytical Results Summary - Boneyard Materials - TCLP Metals and TCLP SVOCs (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	SVOCs
Equipment Blank	5/7/2001	<0.5	<0.1	<0.1	<0.05	<0.1	<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	---

* Denotes wooden railroad tie sample
TCLP Toxicity Characteristic Leaching Procedure
SVOCs Semivolatile Organic Compounds
mg/L Milligrams per liter
ND None detected
--- Not analyzed
Note: Numbers shown in ***bold italics*** represent samples of wooden railroad ties on May 7, 2001 using a 2-inch-diameter stainless steel core barrel.

Table 34. Boneyard Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-105	06/23/00	0-0.5	(u)	404	1310	95	75	1077	33	13	1151	0.56	13160	2294	6.2	11	4	182	<1	75	<5	239300
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*0.11*	*<0.1*	*5.3*	*<0.1*	*<0.1*	*<0.1*	---	*0.83*	*13*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*750*
(Boneyard)		2-2.5	(u)	3	<5	87	<4	48	13	6	29	0.16	27	1490	<0.05	12	<0.8	<0.5	<1	<5	14	6434
		5.5	(u)	2	<5	508	<4	<1	10	<5	10	<0.04	11	274	<0.05	8	<0.8	<0.5	<1	<5	29	124
		8.5	(u)	2	5	355	<4	<1	11	<5	10	---	10	265	---	7	<0.8	<0.5	6	<5	34	89
		10.5-11	(s)	2	<5	246	<4	<1	8	<5	7	---	9	314	---	7	<0.8	<0.5	2	<5	22	45
B-106	06/23/00	0-0.5	(u)	8	42	159	<4	99	29	10	321	0.18	391	911	0.19	18	<0.8	5	<1	9	13	7268
	Duplicate 26	0-0.5	(u)	10	51	163	<4	106	22	10	372	0.14	445	1100	0.54	19	1	6	4	10	18	7541
		2-2.5	(u)	2	<5	101	<4	22	16	6	18	---	16	392	<0.05	12	<0.8	<0.5	<1	<5	18	864
(Boneyard)		5.5	(u)	2	<5	235	<4	4	12	<5	9	---	9	308	<0.05	8	<0.8	<0.5	<1	<5	25	159
		8.5	(u)	2	5	373	<4	2	11	<5	7	---	8	287	---	7	<0.8	<0.5	<1	<5	32	169
		10-11	(s)	2	<5	220	<4	2	8	<5	5	---	8	222	---	6	<0.8	<0.5	<1	<5	20	134
B-107	06/23/00	0-0.5	(u)	13	44	155	<4	99	18	7	346	0.11	685	812	0.24	12	2	13	<1	6	19	7579
	Duplicate 27	0-0.5	(u)	6	19	171	<4	109	12	8	184	0.04	350	764	0.58	10	2	6	4	7	16	6467
		2-2.5	(u)	2	<5	134	<4	1	12	5	14	---	13	331	<0.05	10	<0.8	<0.5	<1	<5	18	137
(Boneyard)		5.5	(u)	2	5	521	<4	<1	14	5	8	---	8	283	<0.05	9	<0.8	<0.5	1	7	45	45
		8.5	(u)	3	<5	275	<4	<1	10	<5	8	---	8	290	---	7	<0.8	<0.5	<1	<5	28	39
		10-11	(s)	2	<5	230	<4	<1	10	<5	10	---	7	246	---	6	<0.8	<0.5	<1	<5	22	35
B-188	11/06/01	0-0.5	(u)	7	80	---	<5	126	945	12	451	0.09	1758	427	4.36	---	6.7	17	<1	28	28	---
	Duplicate B-188	0-0.5	(u)	8.6	113	---	<5	156	1202	15	574	0.16	2745	544	3.24	---	7.6	21	<1	40	27	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	244	37	---	29	---	---	1207	---	---	---	---	---	---	---	---
(Step out from B-105)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-189	11/06/01	0-0.5	(u)	19	170	---	---	371	18	10	687	---	3510	1008	1.69	---	7.3	73	---	76	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	<1	12	---	13	---	---	387	---	---	---	---	---	---	---	---
(Step out from B-188)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-190	11/07/01	0-0.5	(u)	<0.8	5.3	---	<5	292	14	7.2	19	0.07	61	621	<0.05	---	<0.8	<0.5	<1	6.1	19	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	90	14	---	14	---	---	438	---	---	---	---	---	---	---	---
(Step out from B-107)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 34. Boneyard Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-191	11/07/01	0-0.5	(u)	---	---	---	---	**149**	---	---	---	---	---	**454**	---	---	---	---	---	---	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	**5**	---	---	---	---	---	**397**	---	---	---	---	---	---	---	---
(Step out from B-190)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-192	11/07/01	0-0.5	(u)	<0.8	12	---	<5	**94**	11	6.1	**60**	0.08	**110**	**537**	**0.43**	---	<0.8	**1.6**	<1	5.7	13	---
Duplicate B-192		0-0.5	(u)	<0.8	9.9	---	<5	**99**	11	6.1	**46**	<0.05	**62**	**585**	**0.21**	---	<0.8	**1.1**	<1	5.2	14	---
(Bone Yard)		2-2.5	(u)	<0.8	---	---	---	**24**	12	---	16	---	---	305	---	---	---	---	---	---	---	---
(Step out from B-106)		5.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-193	11/07/01	0-0.5	(u)	---	---	---	---	**73**	---	---	**142**	---	**270**	**596**	**4.13**	---	---	**3.7**	---	---	---	---
(Bone Yard)		2-2.5	(u)	---	---	---	---	1.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-192)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		10.5-11	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		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[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
---	Not analyzed
(u)	Unsaturated soil sample.
(s)	*Saturated soil sample.*
(dup)	Duplicate soil sample.
(SPLP)	Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics.*
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))

Table 34. Boneyard Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

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)

* Surface soil sample adjacent to previously constructed background soil boring.

a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.

b 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.

c 30 TAC Chapter 335, Subchapter S.

Notes: 1) Numbers in **bold** exceed TNRCC-approved background concentrations established for the site.

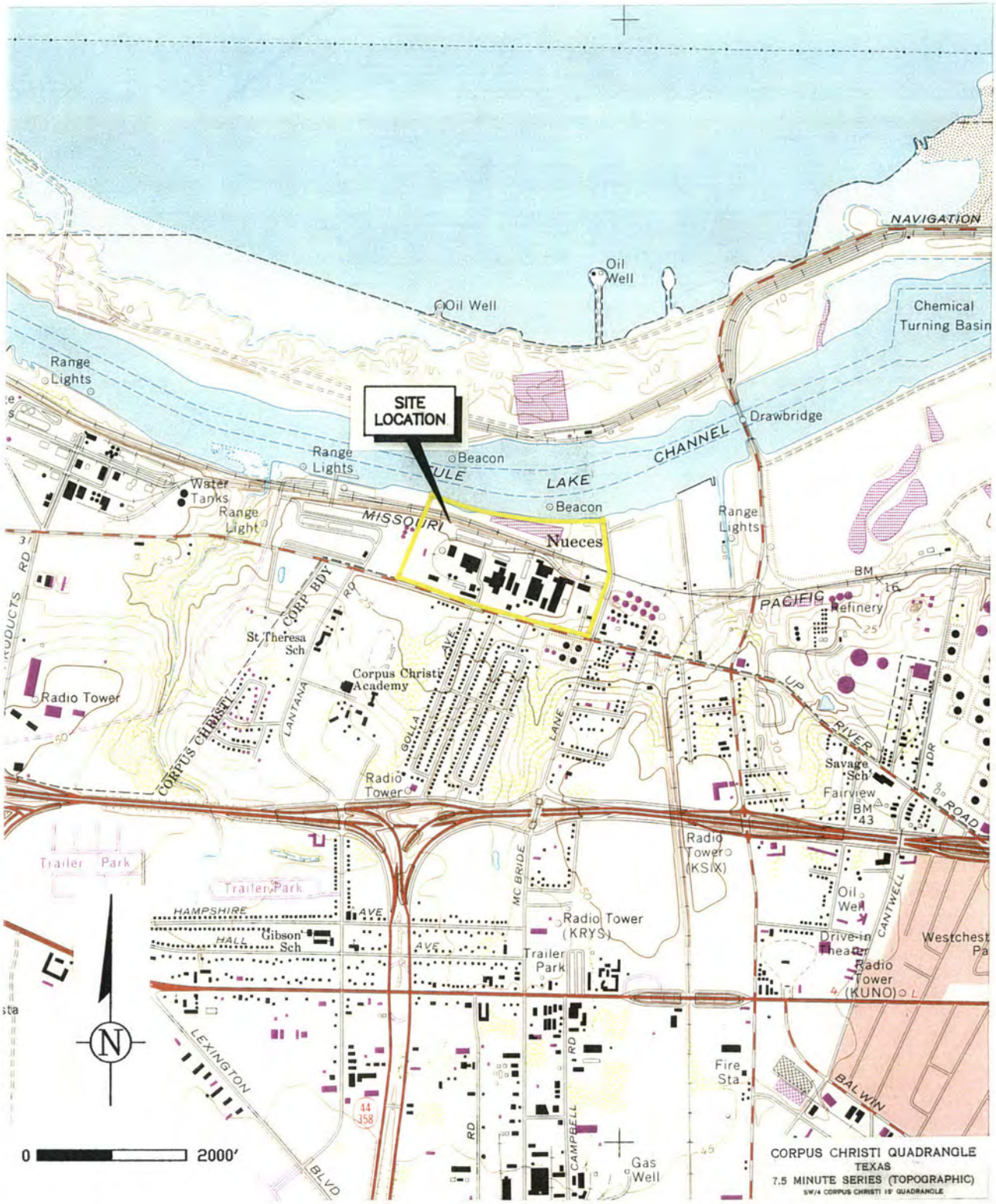
2) Numbers **boxed** exceed both background and the RRS2 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 35. Soil Geotechnical Data, Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	Intrinsic Permeability (cm/sec)	Bulk Density (gm/cc)	Effective Porosity (percent)	Moisture Content (percent)	Fraction Organic Carbon (percent)	Remarks
Beaumont Formation								
Geotech 1 Unsaturated	07/12/00	5-7	2.99×10^{-5}	2.07	20.6%	13.2%	2.5%	Unsaturated zone sample.
Geotech 1 Saturated*	07/12/00	8-9.5	2.49×10^{-4}	1.67	36.6%	21.8%	0.3%	Saturated zone sample.
Fill/Alluvium								
Geotech 2 Unsaturated	07/12/00	3-4	1.34×10^{-4}	1.93	26.4%	15.0%	1.5%	Unsaturated zone sample.
Geotech 2 Saturated**	07/12/00	4.5-6	2.48×10^{-5}	2.03	28.6%	20.7%	1.3%	Saturated zone sample.

cm/sec — Centimeters per second
gm/cc — Grams per cubic centimeter
* — Sample "Geotech 1 Saturated" analyzed for intrinsic permeability by PSI, Corpus Christi, Texas.
** — Sample identification (ID) on chain-of-custody document is "Geotech 2 Saturated". Analytical laboratory report shows sample ID for that sample as "Geotech 3 Saturated".

FIGURES



DRAFTER:
APPROVED:
CHECKED:
DRAWING:
PRJCT NO.: CC00642.001 | FILE:
DWG DATE:

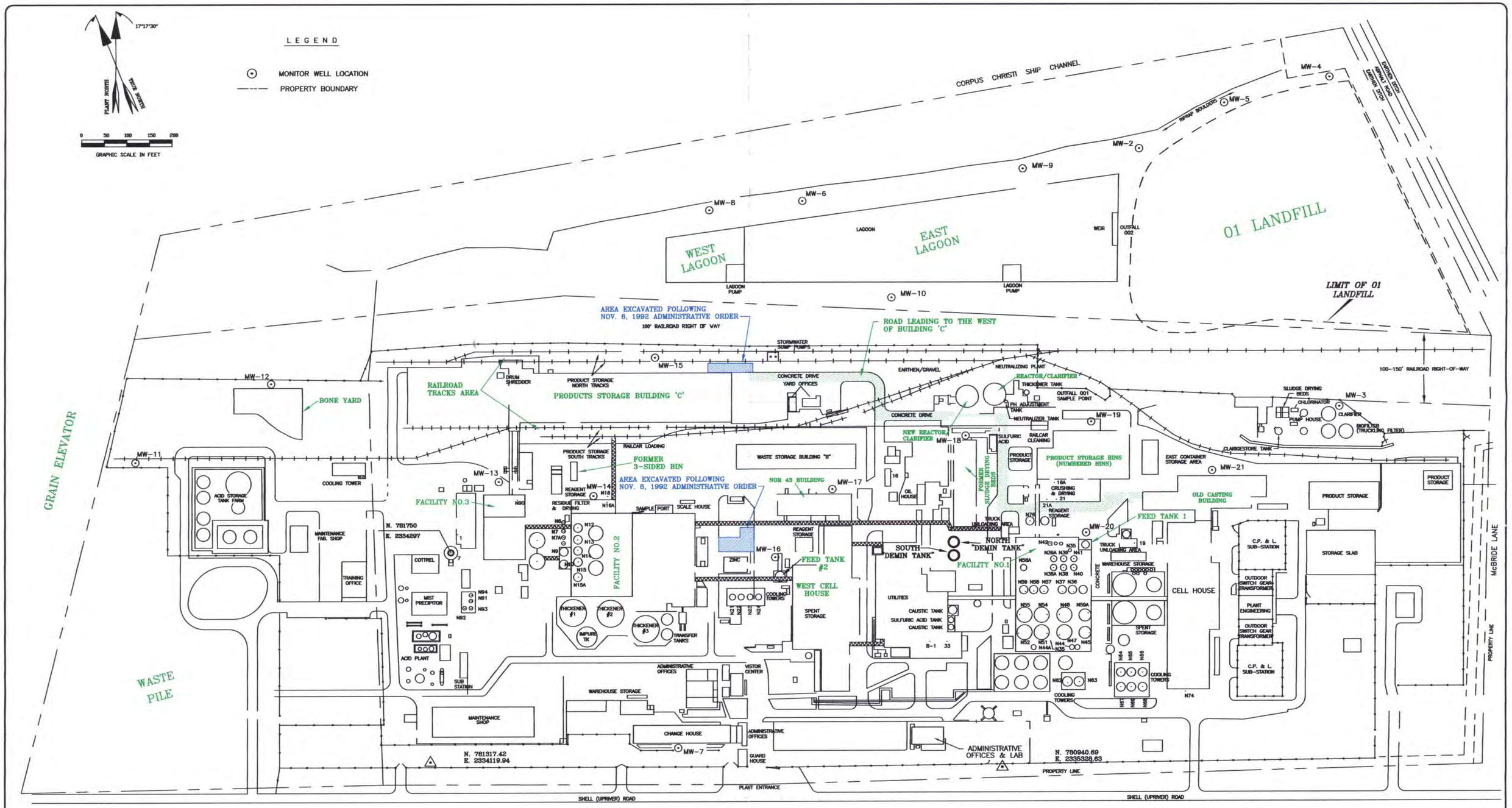
ARCADIS

SITE LOCATION MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE

1



ARCADIS

SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
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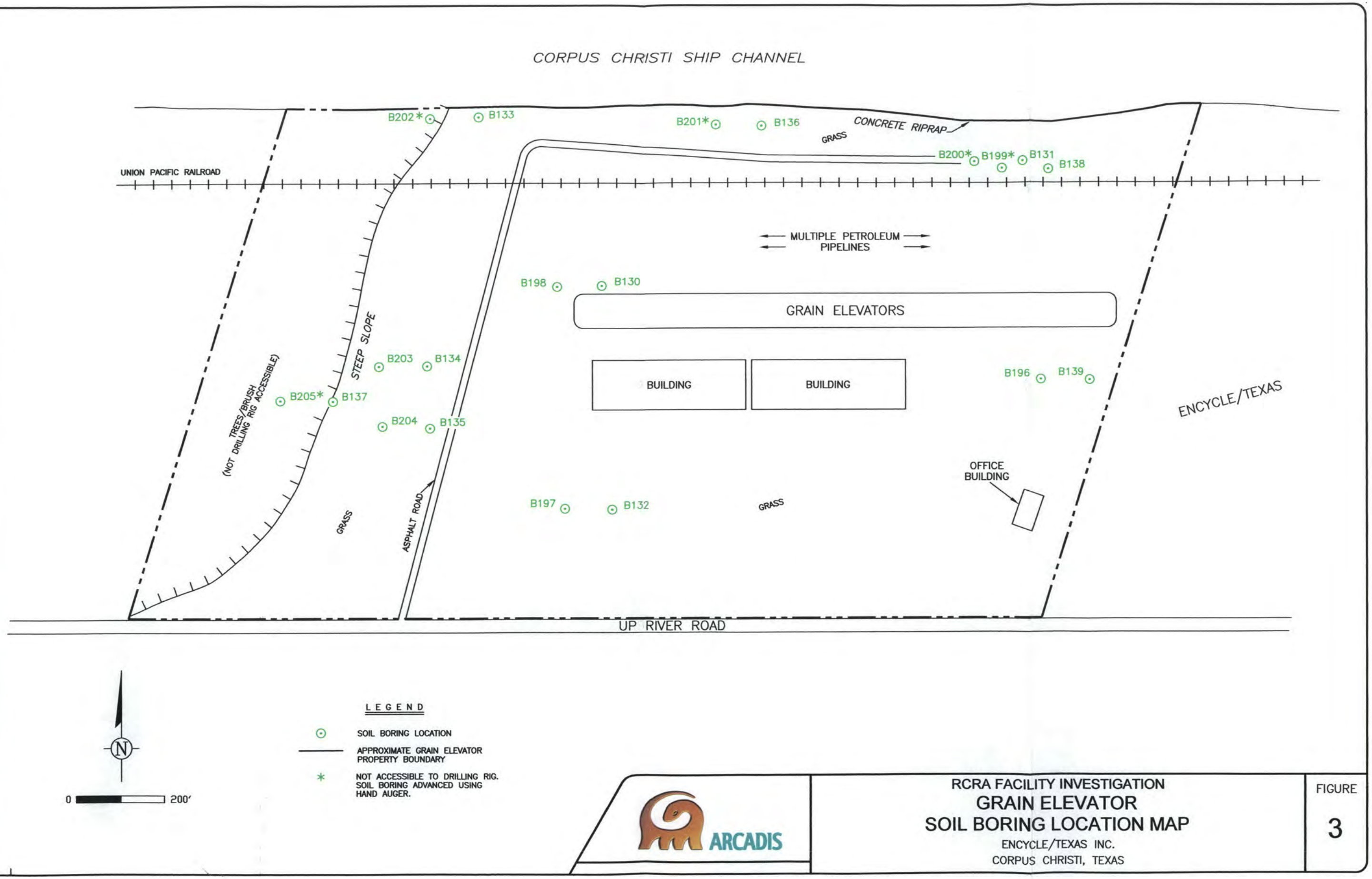
PROJECT NO.: CC000842.0001	FILE NO:
DRAWING: SWMU-LDC	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL'02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

SOILD WASTE MANAGEMENT UNIT LOCATION MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

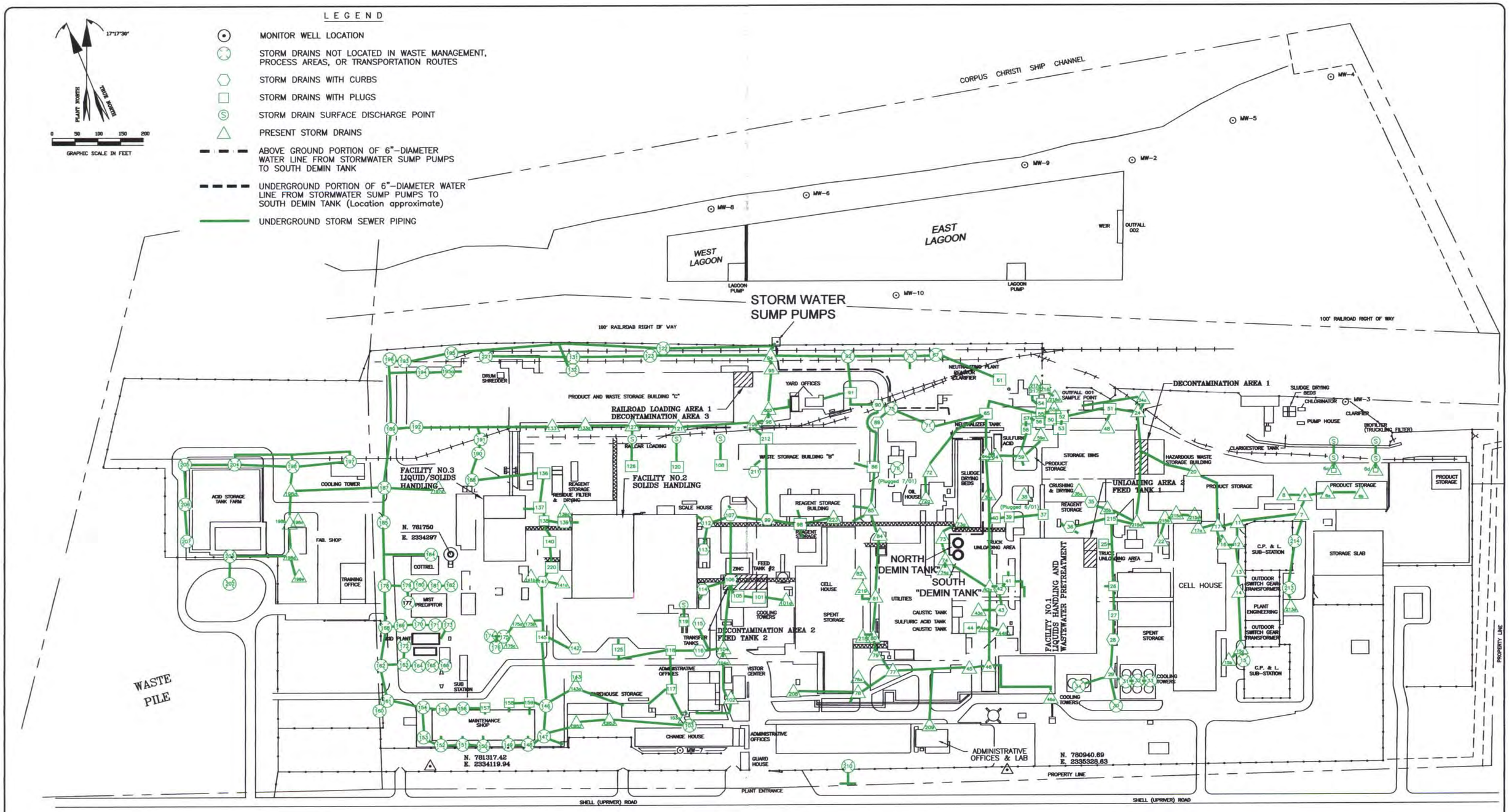
FIGURE
2



RCRA FACILITY INVESTIGATION
GRAIN ELEVATOR
SOIL BORING LOCATION MAP
ENCYCLE/TEXAS INC.
CORPUS CHRISTI, TEXAS

FIGURE
3

DRAFTER: LGF | APPROVED: K. BRANDNER | CHECKED: K. BRANDNER | DRAWING: SB-LDC | FILE: | PRJCT NO.: CC000642.001 | DWG DATE: 10JULY02



ARCADIS

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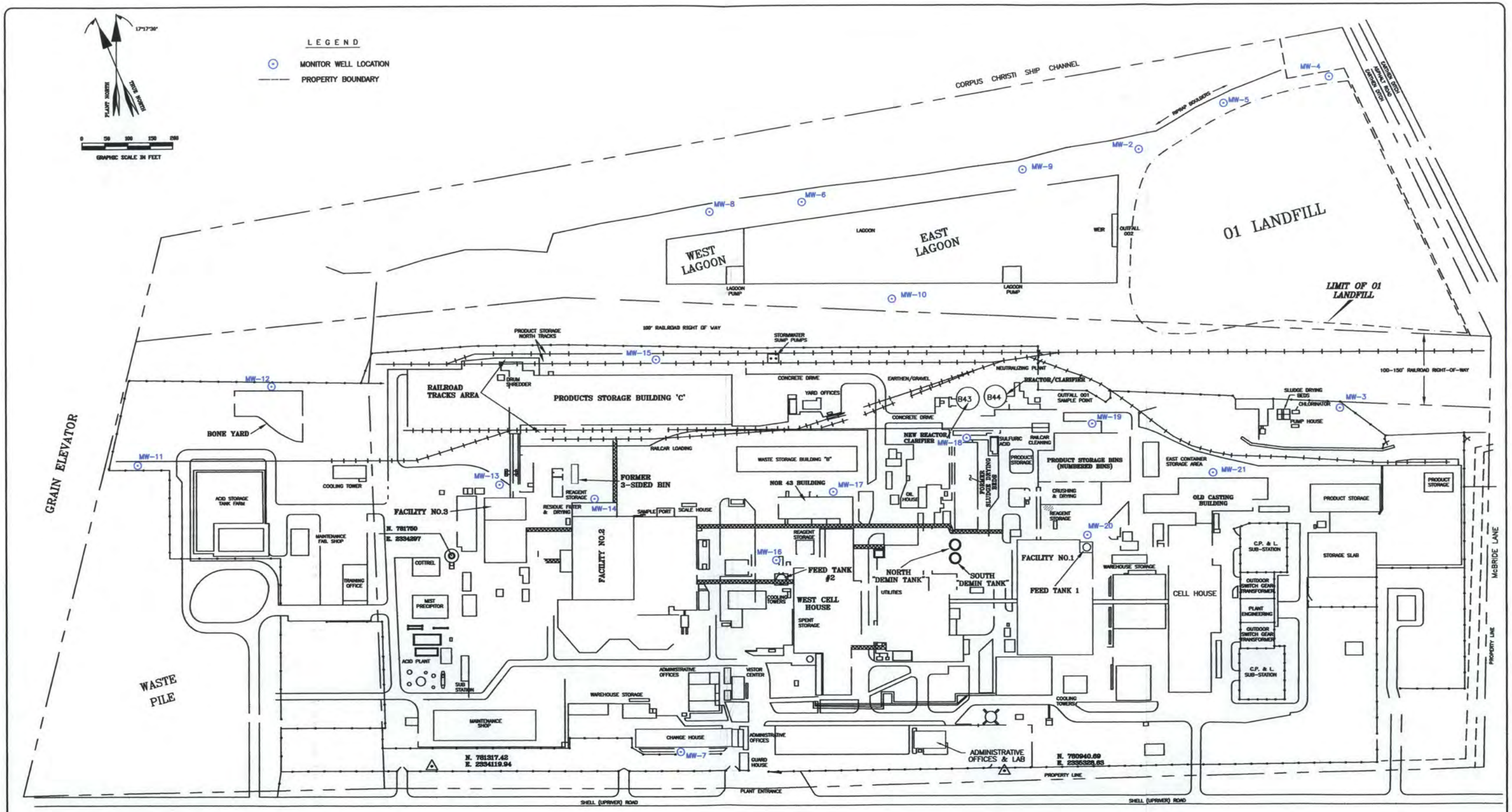
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CO000843.0001	FILE NO:
DRAWING: STORM-SEW	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
4



ARCADIS

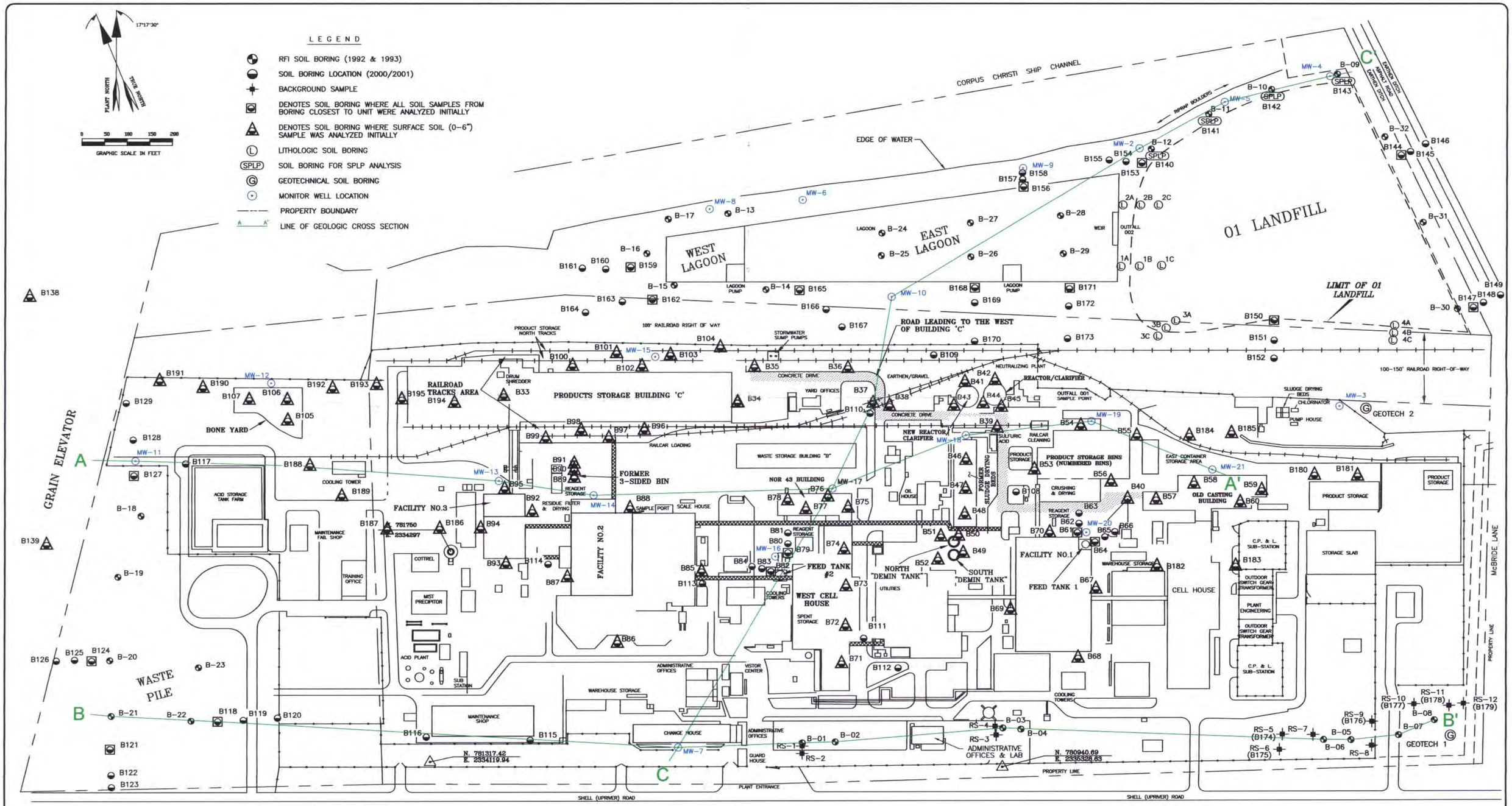
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: C0000842.0001	FILE NO:
DRAWING: MW-LOC7-02	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL102
CHECKED BY:	DATE:
APPROVED BY:	DATE:

MONITOR WELL LOCATION MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 5



ARCADIS

SCALE VERIFICATION
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USE TO VERIFY FIGURE REPRODUCTION SCALE

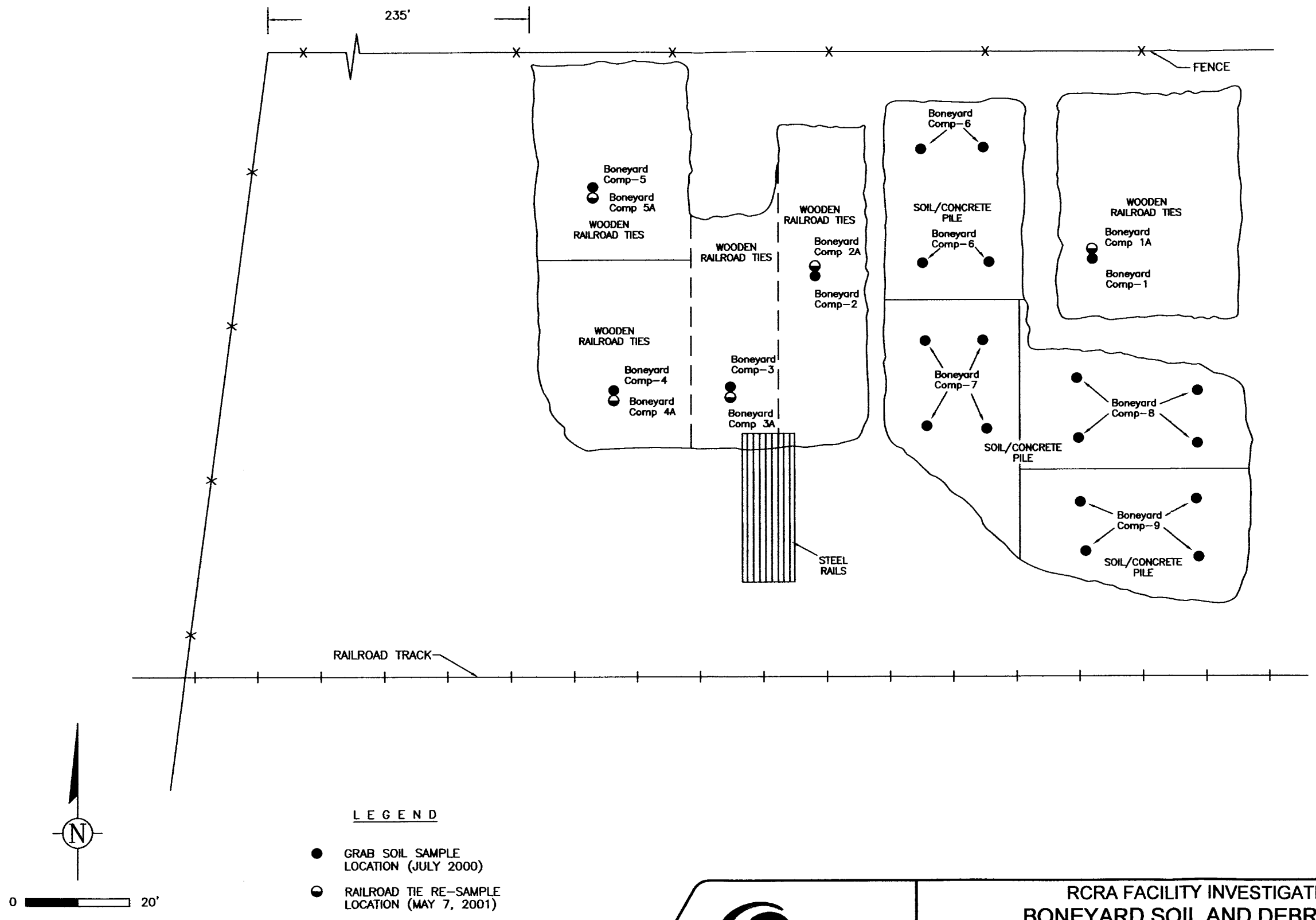
REV. NO.	DATE	DESCRIPTION	BY	APPR.

PROJECT NO.: CC000842.0001	FILE NO:
DRAWING:	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL'02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

SOIL BORING LOCATION MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 6



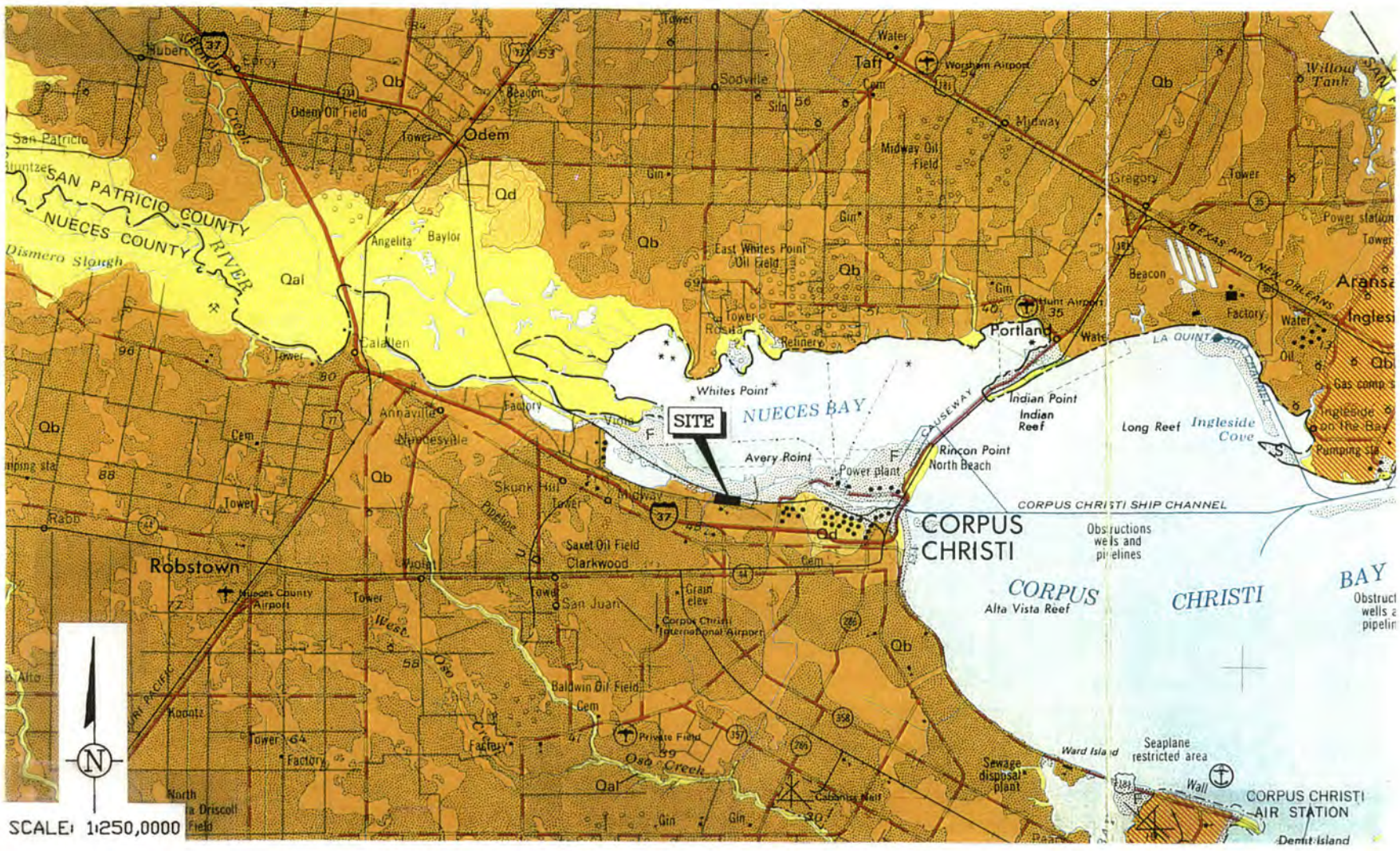
ARCADIS

RCRA FACILITY INVESTIGATION
BONEYARD SOIL AND DEBRIS PILE
SAMPLE LOCATIONS
ENCYCLE/TEXAS INC.
CORPUS CHRISTI, TEXAS

FIGURE
7

DRAFTER: LGF | APPROVED: B. HANEY | CHECKED: B. HANEY | DRAWING: BOR-LOC | FILE: | PRJCT NO.: CC00642.002 | DWG DATE: 10JULY02

DWG DATE:	PRJCT NO.: CC00642.001	FILE:	DRAWING:	CHECKED:	APPROVED:	DRAFTER:



NOTE: MAP TAKEN FROM "GEOLOGIC ATLAS OF TEXAS, CORPUS CHRISTI SHEET", THE UNIVERSITY OF TEXAS AT AUSTIN, 1975.

EXPLANATION

F S

Fill and Spoil

Fill, F, *material dredged for raising land surface above alluvium and barrier island deposits and for creating land. Spoil,* S, *dredged material forming islands along waterways. Properties highly variable, mixed mud, silt, sand, and shell; mud and silt winnowed when reworked*

Qal

Alluvium

Clay, silt, sand, and gravel, organic material abundant locally; includes point bar, natural levee, stream channel, backswamp, coastal marsh, mud flat, clay dune, sand dune, and oyster reef deposits. Includes some terrace deposits along streams other than the Nueces

Qbi

Barrier island deposit

Sand, silt, and clay; mostly sand, well sorted, fine grained, abundant shells and shell fragments; interfingers with silt and clay in landward direction; includes beach ridge, spit, tidal channel, tidal delta, washover fan, and sand dune deposits; "high to very high permeability, low water-holding capacity, low compressibility, low shrink-swell potential, good drainage, high shear strength, low plasticity"

Qcd Qsd Qds Qs Qsi

Windblown deposits

Includes clay dune and clay-sand dune deposits, Qcd; *active dunes and dune complexes;* Qsd; *stabilized sand dune deposits,* Qds; *sand sheet deposits,* Qs; *and silt sheet deposits,* Qsi. *Small areas of Pleistocene deposits within these various units not separately mapped*

Clay dune and clay-sand dune deposits, Qcd, *clay, silt, and sand ranging from mostly clay and silt in coastal areas to a mixture of clay, silt, and sand inland; light gray, calcareous; forms elongate deposits mostly on downwind side of intermittently wet basins, relief 5-30 feet; physical properties similar to those of the sandy and silty Beaumont*

Active dunes and dune complexes on mainland, Qsd, *banner dunes common, local barchan dunes; relief up to 30 feet; "very high permeability, low water-holding capacity, low compressibility, low shrink-swell potential, good drainage, high shear strength, low plasticity, unstable because of migration"*

Stabilized sand dune deposits, Qds, *strong relict eolian grain, sparse grass; includes active blowout areas with depressed relief, hummocky, locally becomes fresh-water marsh in wet season, and well-stabilized sand dunes with dense live-oak mottes and scrub; "moderate to very high permeability, low to moderate water-holding capacity, low compressibility, low shrink-swell potential, good to fair drainage, high shear strength, low plasticity, shallow water table"*

Sand sheet deposits, Qs, *no relict grain, sparse grass; physical properties similar to those of "Stabilized sand dune deposits,"* Qds

Silt sheet deposits, Qsi, *silt and fine sand in thin, locally discontinuous sheet winnowed from other "Windblown deposits," brush and grass covered, rests on various Pleistocene deposits; has physical properties similar to those of other "Windblown deposits," but because of its thinness engineering plans should consider the nature of the underlying materials*

Recent

QUATERNARY

Qd

Deweyville Formation

Sand, silt, clay, and gravel, includes point bar, natural levee, and stream channel deposits, surface characterized by relict meanders of much larger radius of curvature than those of present streams; occurs along Nueces River at three levels: 5-20, 20-30, and 40-55 feet above level of Recent floodplain

Recent or Late (?) Pleistocene

Qbb Qb

Beaumont Formation

Beaumont Formation, Qb, *with barrier island and beach deposits,* Qbb, *mapped separately. Beaumont Formation,* Qb, *mostly clay, silt, sand, and gravel; includes mainly stream channel, point bar, natural levee, and backswamp deposits, and to a lesser extent coastal marsh, mud flat, lagoonal, Recent and older lake, clay dune, and sand dune deposits; concretions and massive accumulations of calcium carbonate (caliche) and concretions of iron oxide and iron-manganese oxides in zone of weathering; surface pitted by shallow lakes or dry lake beds with associated clay dunes which in places align along meanderbelt ridges; pimple mounds only in vicinity of* Qbb *unit; thickness 100± feet*

The stippled overprint (source shown in Index to Geologic Mapping) shows areas that are "Dominantly clay and mud of low permeability, high water-holding capacity, high compressibility, high to very high shrink-swell potential, poor drainage, level to depressed relief, low shear strength, and high plasticity; geologic units include interdistributary muds, abandoned channel-fill muds, and fluvial overbank muds." The nonstippled areas are "Dominantly clayey sand and silt of low-moderate permeability, moderate drainage, level relief with local mounds and ridges, and high shear strength; geologic units include meanderbelt, levee, crevasse splay, and distributary sands"

Barrier island and beach deposits, Qbb, *mostly fine-grained sand, shells scarce; surface slightly higher than that of surrounding deposits, characterized by numerous pimple mounds and poorly defined relict beach ridges; includes many Recent, locally active sand dunes; probably part of "Ingleside" barrier island system; thickness less than 60 feet*

Pleistocene

QUATERNARY

Ql

Lissie Formation undivided

Sand, silt, clay, and minor amount of gravel; iron oxide and iron-manganese nodules common in zone of weathering, in upper part locally calcareous, some concretions of calcium carbonate; surface fairly flat and featureless except for numerous rounded shallow depressions and pimple mounds, lower part very gently rolling; characterized by "moderate permeability, moderate drainage, and high shear strength; geologic units include meanderbelt, levee, crevasse splay, and distributary sands and floodbasin mud over meanderbelt sand;" thickness 200± feet

Fault

U / D

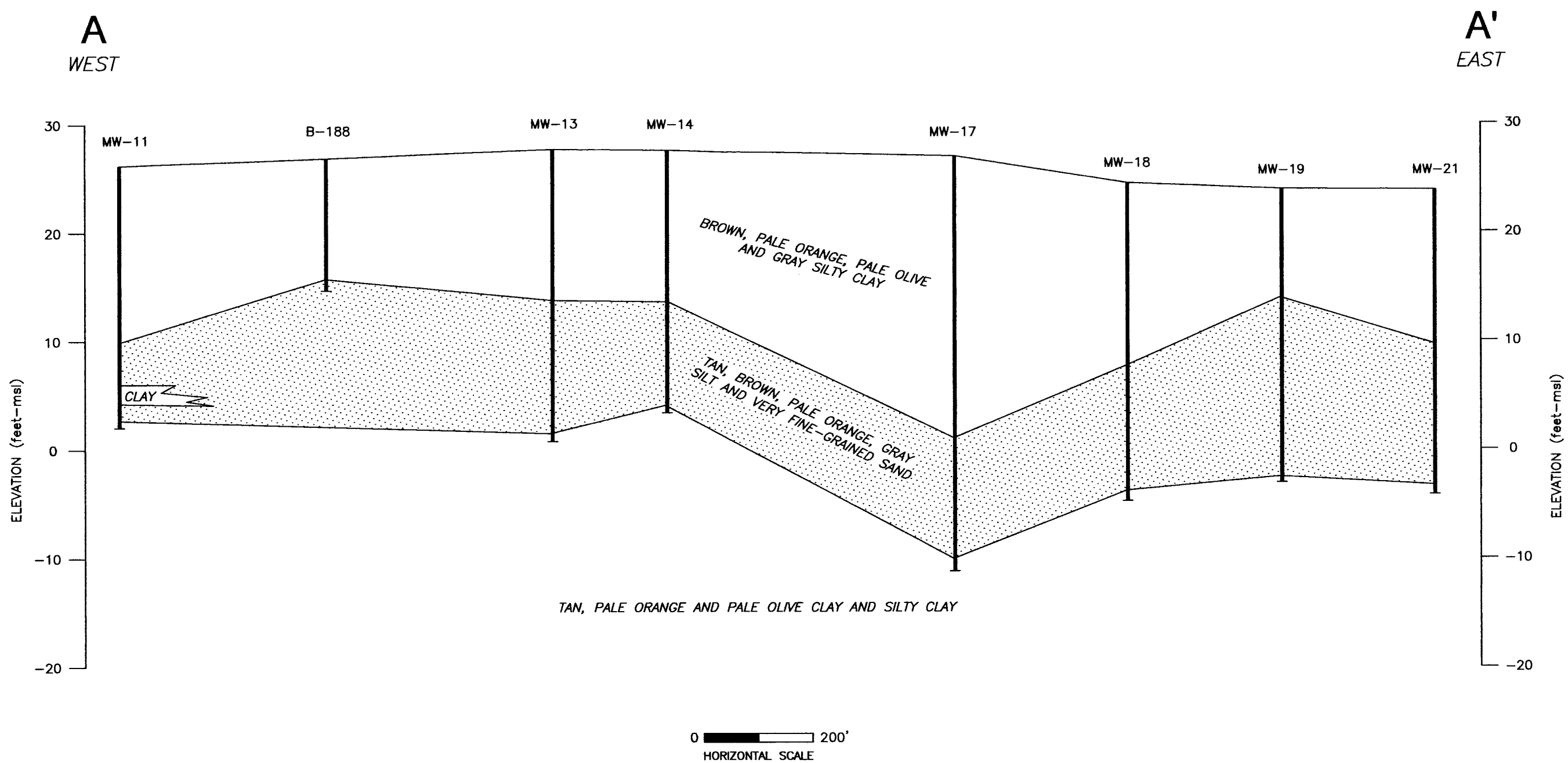
U, *upthrown side;* D, *downthrown side; dashed where inferred*

ARCADIS

GEOLOGIC MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 8



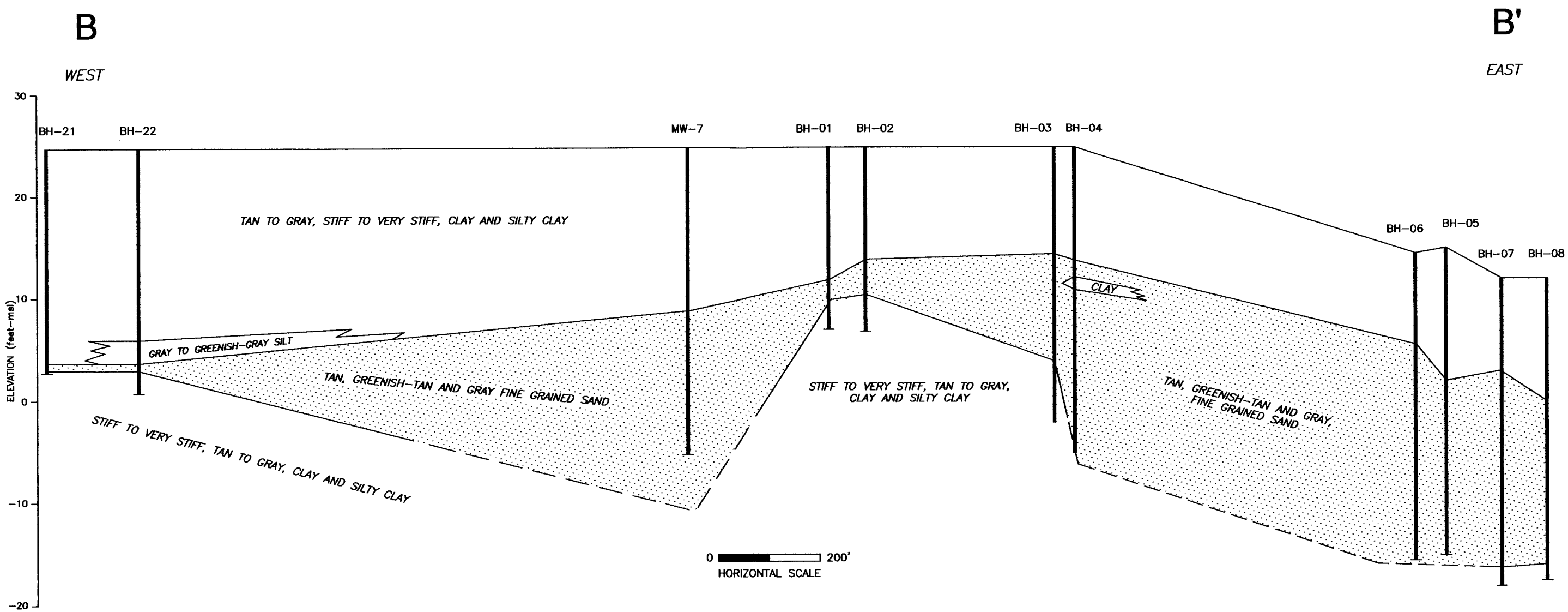
ARCADIS

GEOLOGIC CROSS SECTION
A - A'

ENCYCLE/TEXAS
CORPUS CHRISTI, TEXAS

FIGURE
9

DRAFTER: LGF | APPROVED: K. BRANDNER | CHECKED: K. BRANDNER | DRAWING: XSEC-AA | PRJCT NO.: CC00642.002 | FILE: | DWG DATE: 17JUN02



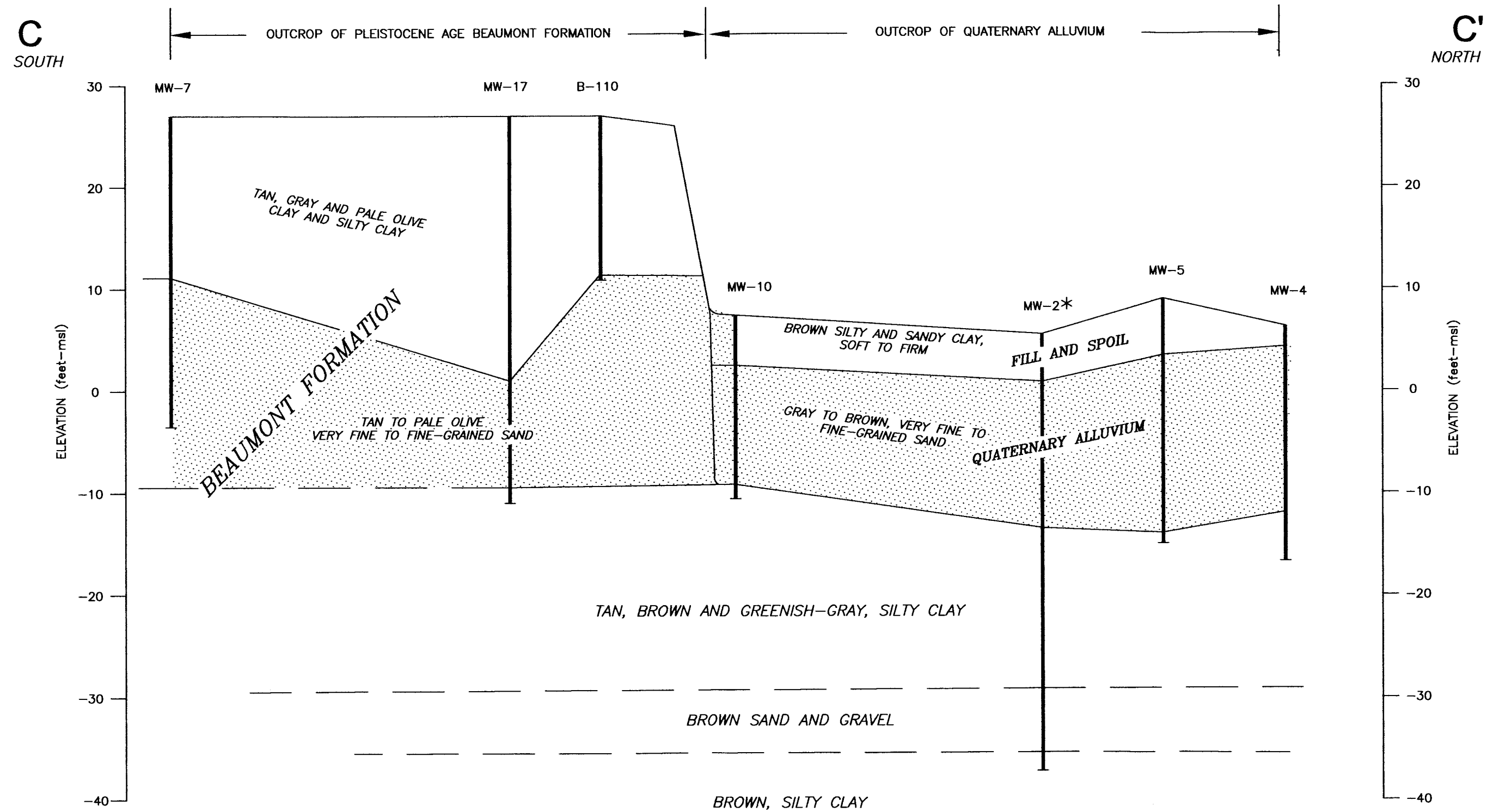
DRAFTER: LGF | APPROVED: K. BRANDNER | CHECKED: K. BRANDNER | DRAWING: XSEC-BB | FILE: | PRJCT NO.: CC00642.002 | DWG DATE: 10JULY02

ARCADIS

GEOLOGIC CROSS SECTION
B - B'

ENCYCLE/TEXAS
CORPUS CHRISTI, TEXAS

FIGURE
10



* LITHOLOGIC BORING INSTALLED ADJACENT TO MONITOR WELL MW-2 DURING JANUARY 1986

0 200'
HORIZONTAL SCALE

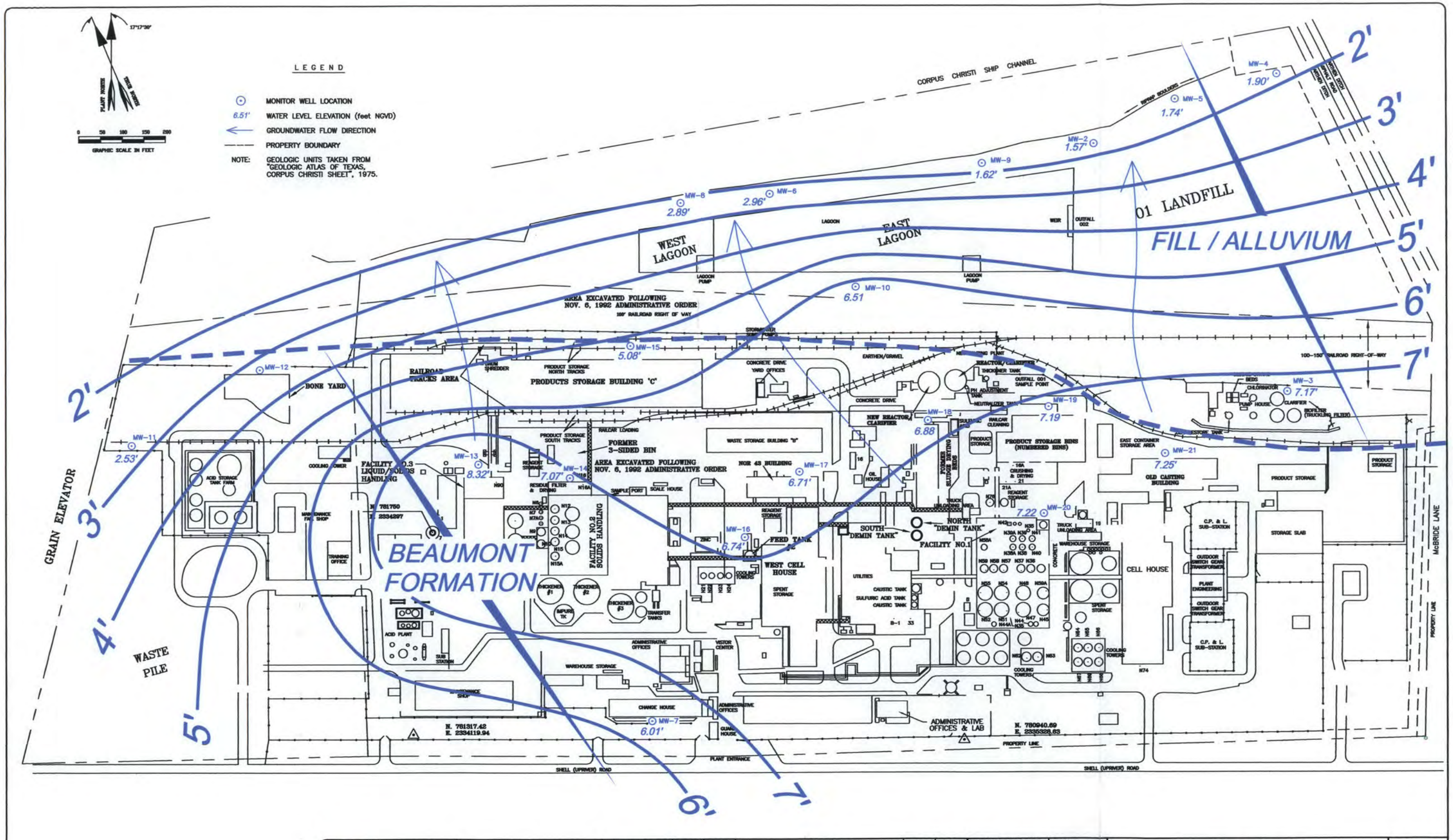
ARCADIS

GEOLOGIC CROSS SECCTION
C - C'

ENCYCLE/TEXAS
CORPUS CHRISTI, TEXAS

FIGURE
11

DWG DATE: 10JULY02 | PRJCT NO.: CC00642.002 | FILE: | DRAWING: XSEC-CC | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF



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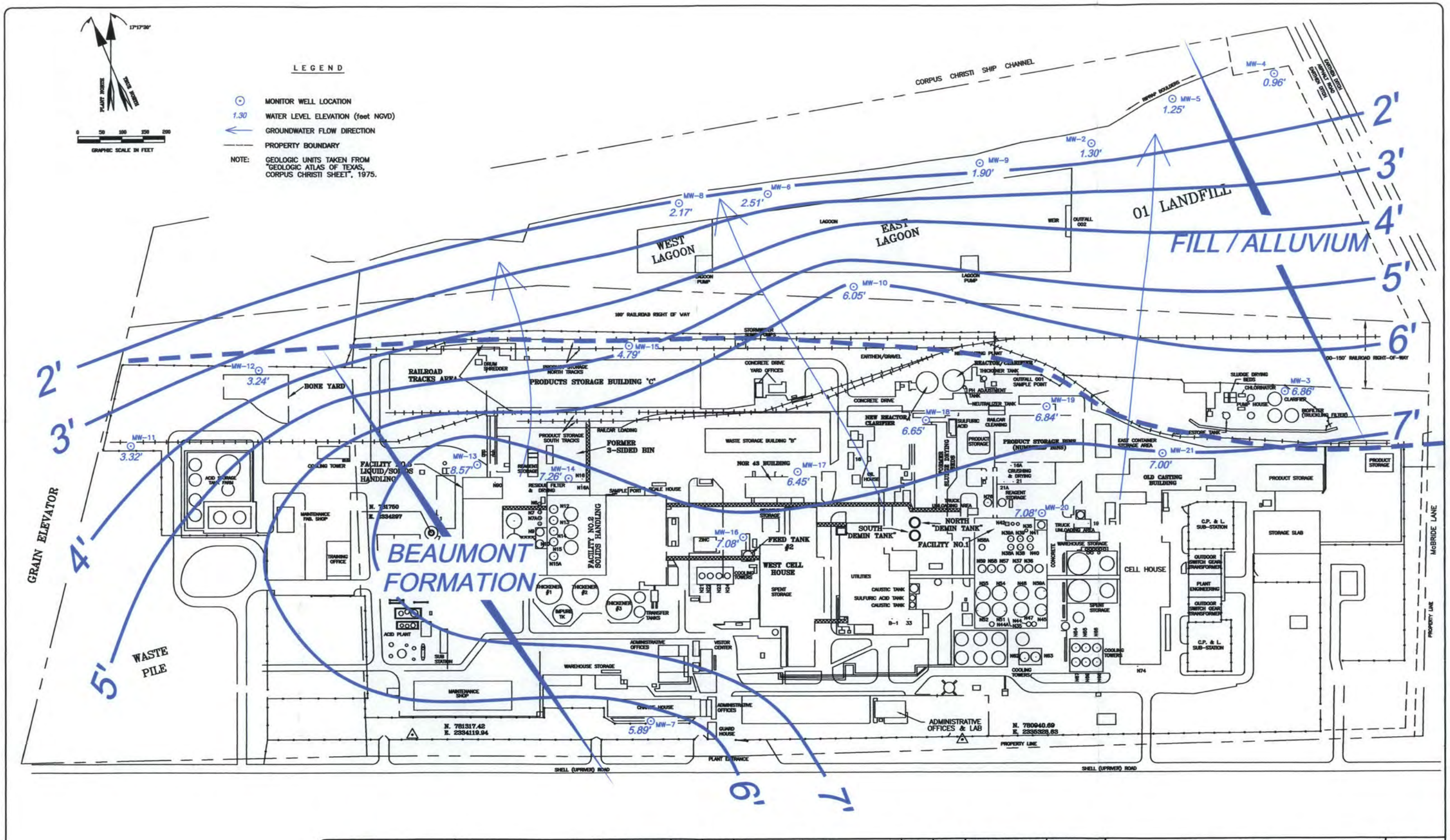
PROJECT NO.: CC000042.0002	FILE NO:
DRAWING: V732-01	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 01MAY02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

WATER TABLE MAP
DECEMBER 10, 2001

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
12



ARCADIS

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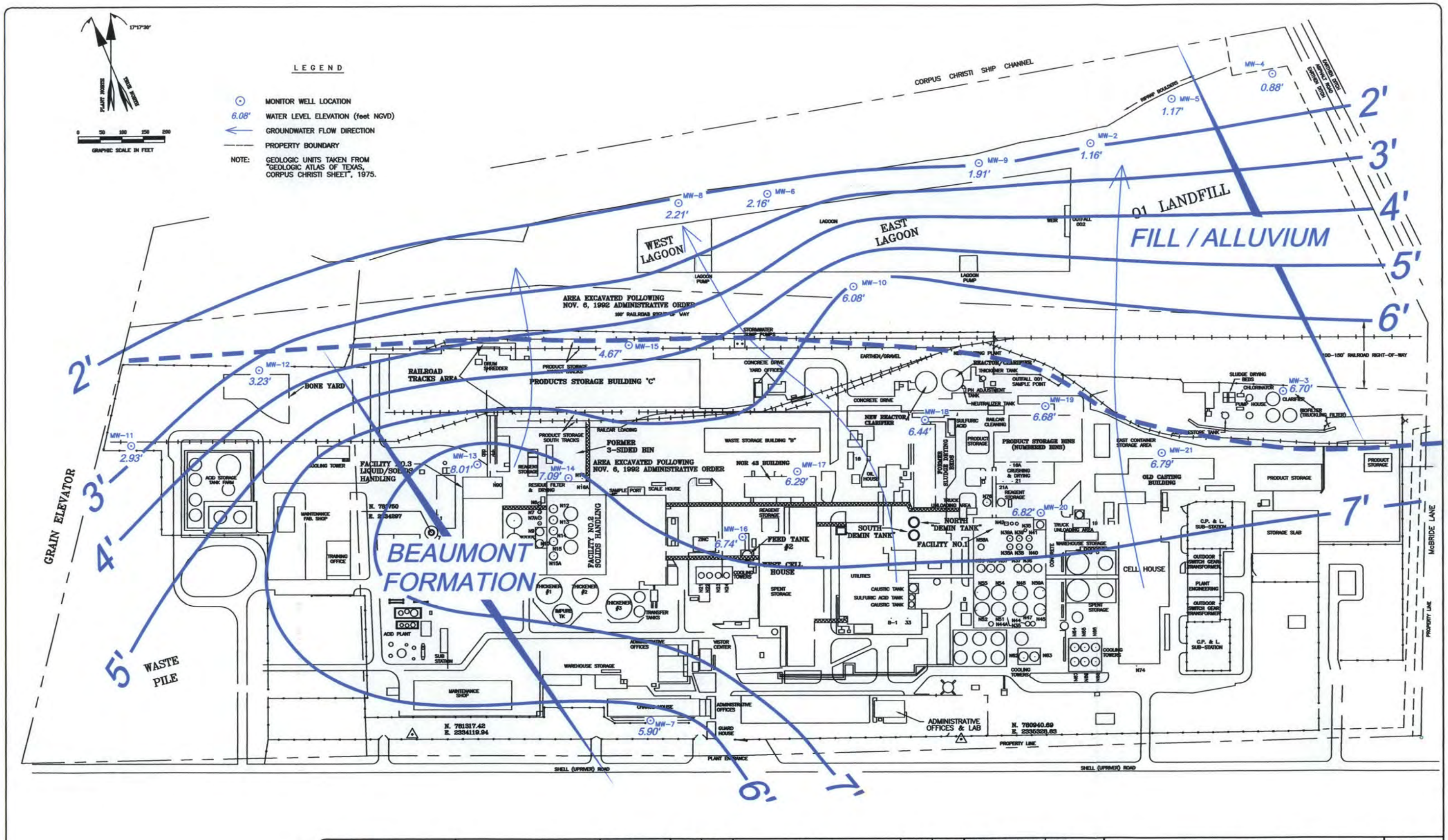
DRAWING: VTB-02	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL'02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

WATER TABLE MAP
JANUARY 15, 2002

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
13



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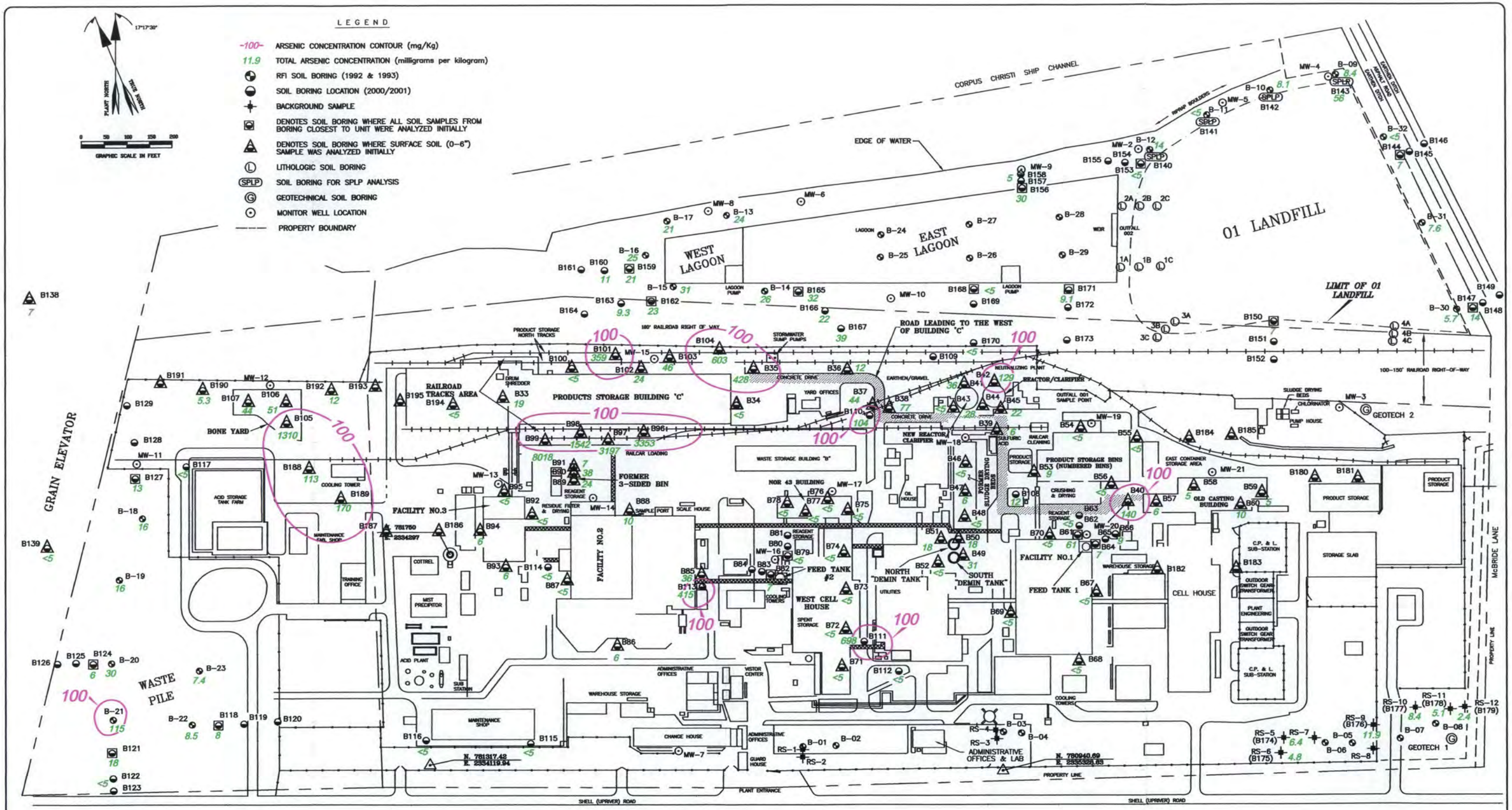
DRAWING: VTBE-02	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 01MAY02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

ARCADIS

WATER TABLE MAP
FEBRUARY 11, 2002

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
14



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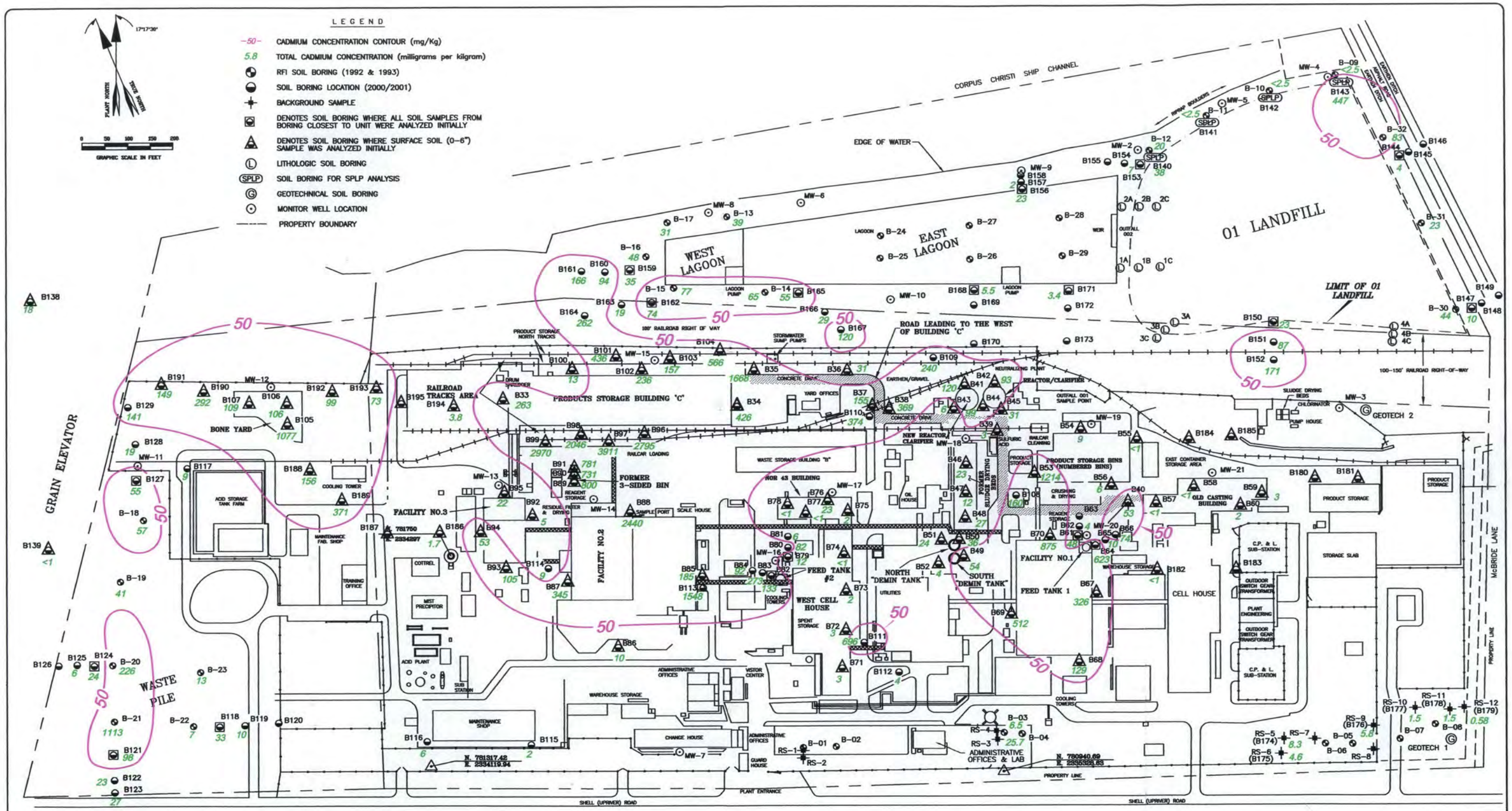
PROJECT NO.: CCD00942.0001	FILE NO:
DRAWING: TOT-ARSENIC	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JUN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL ARSENIC CONCENTRATION IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 15



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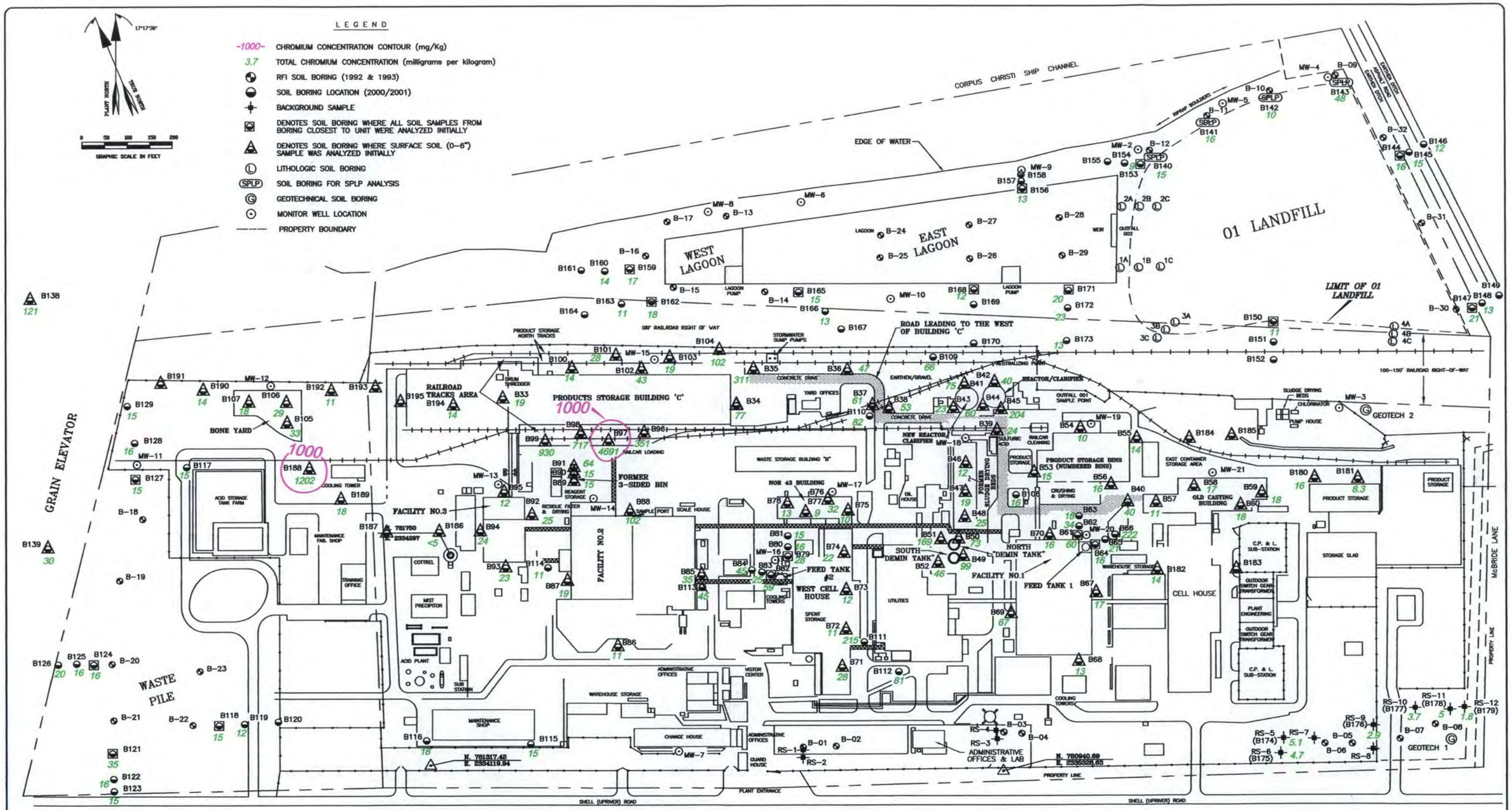
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000842.0001	FILE NO:
DRAWING: TOT-Cd-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JAN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL CADMIUM CONCENTRATIONS IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 16



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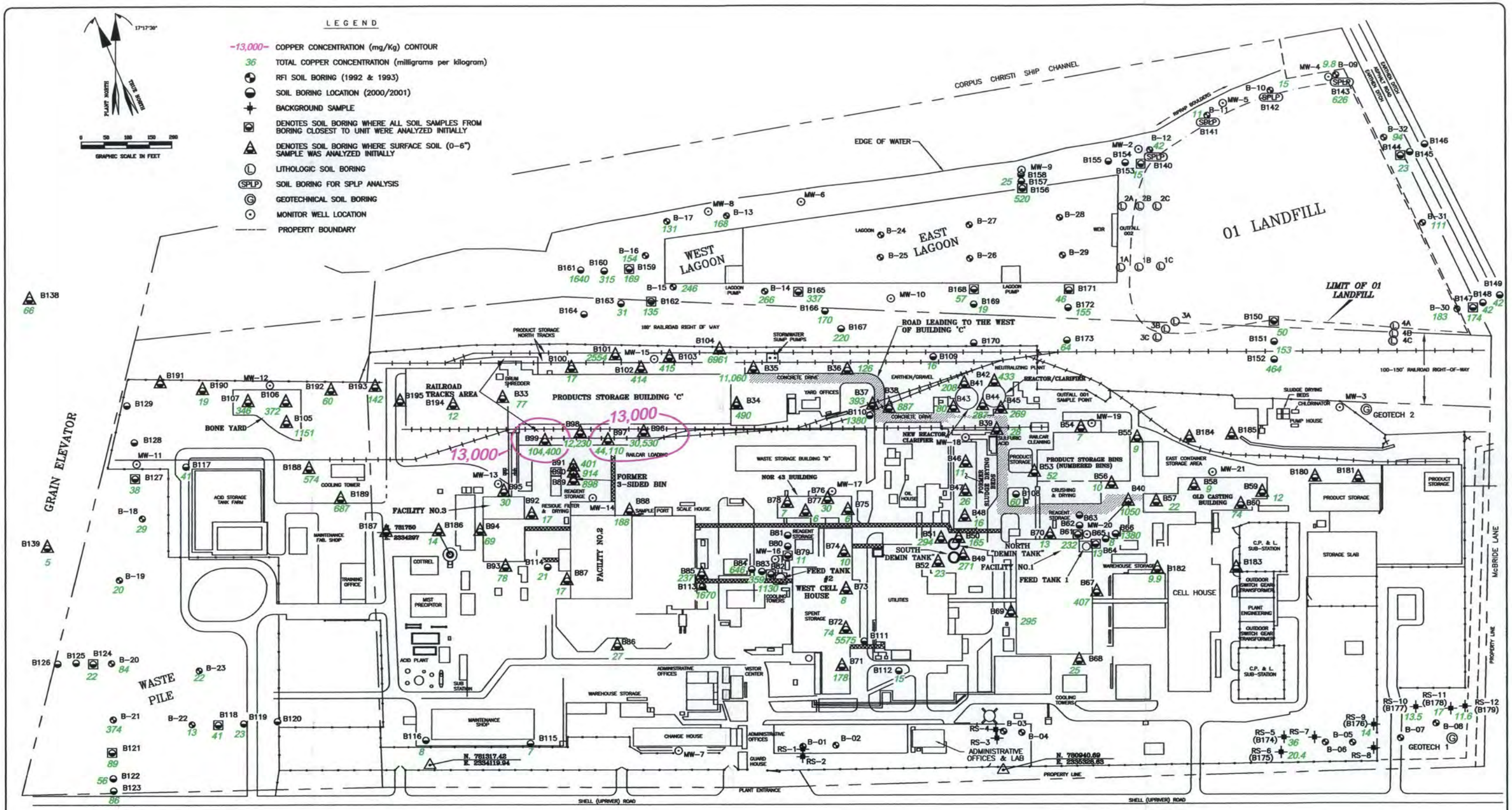
PROJECT NO.: CC000042.0001	FILE NO:
DRAWING: TD1-CR-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JUN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL CHROMIUM CONCENTRATION IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 17



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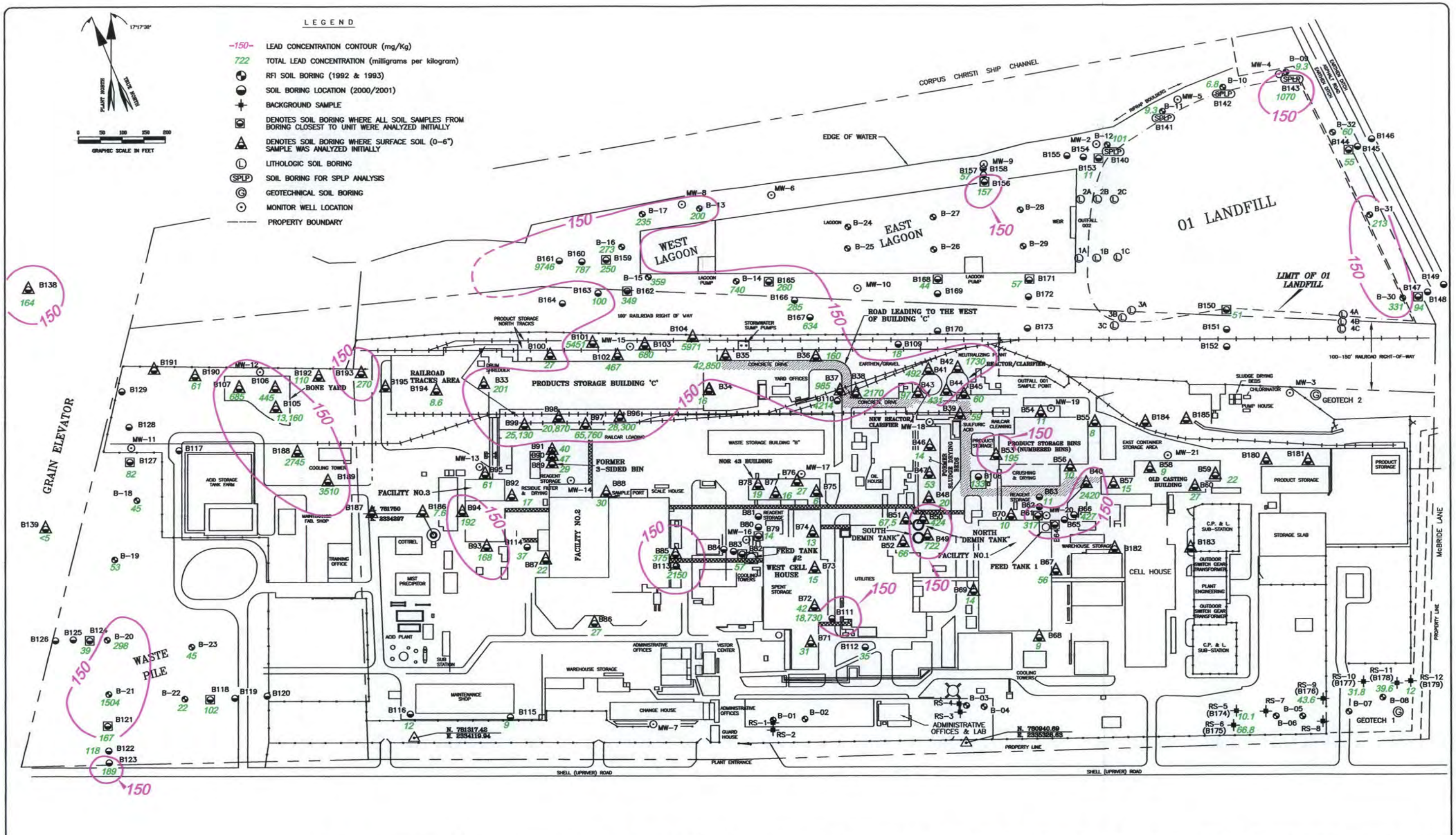
PROJECT NO.: CC000642.0001	FILE NO:
DRAWING: TOT-CU-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JUN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL COPPER CONCENTRATIONS IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 18



ARCADIS

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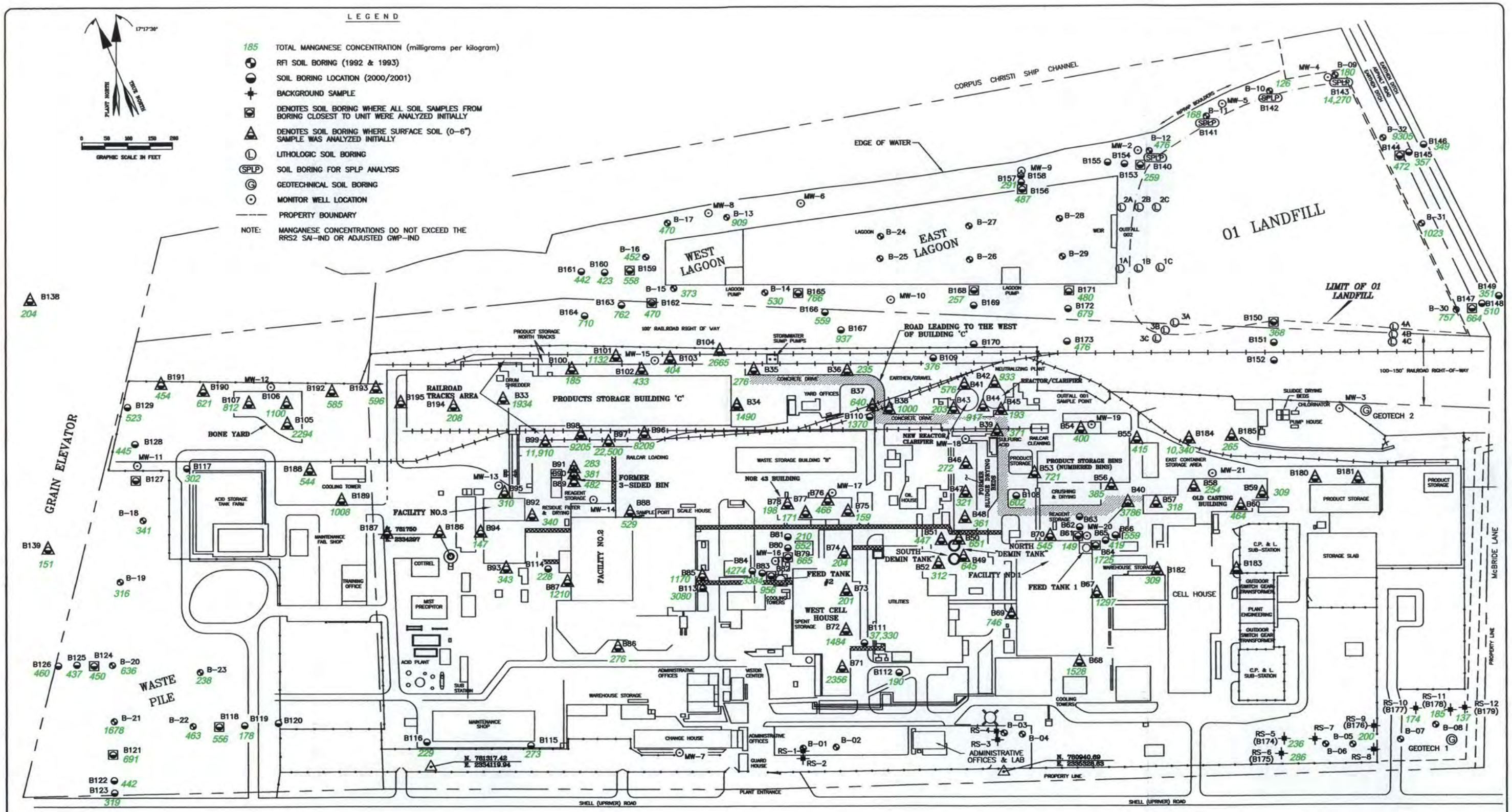
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000642.0001	FILE NO:
DRAWING: TOT-PB-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JUN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL LEAD CONCENTRATION IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 19



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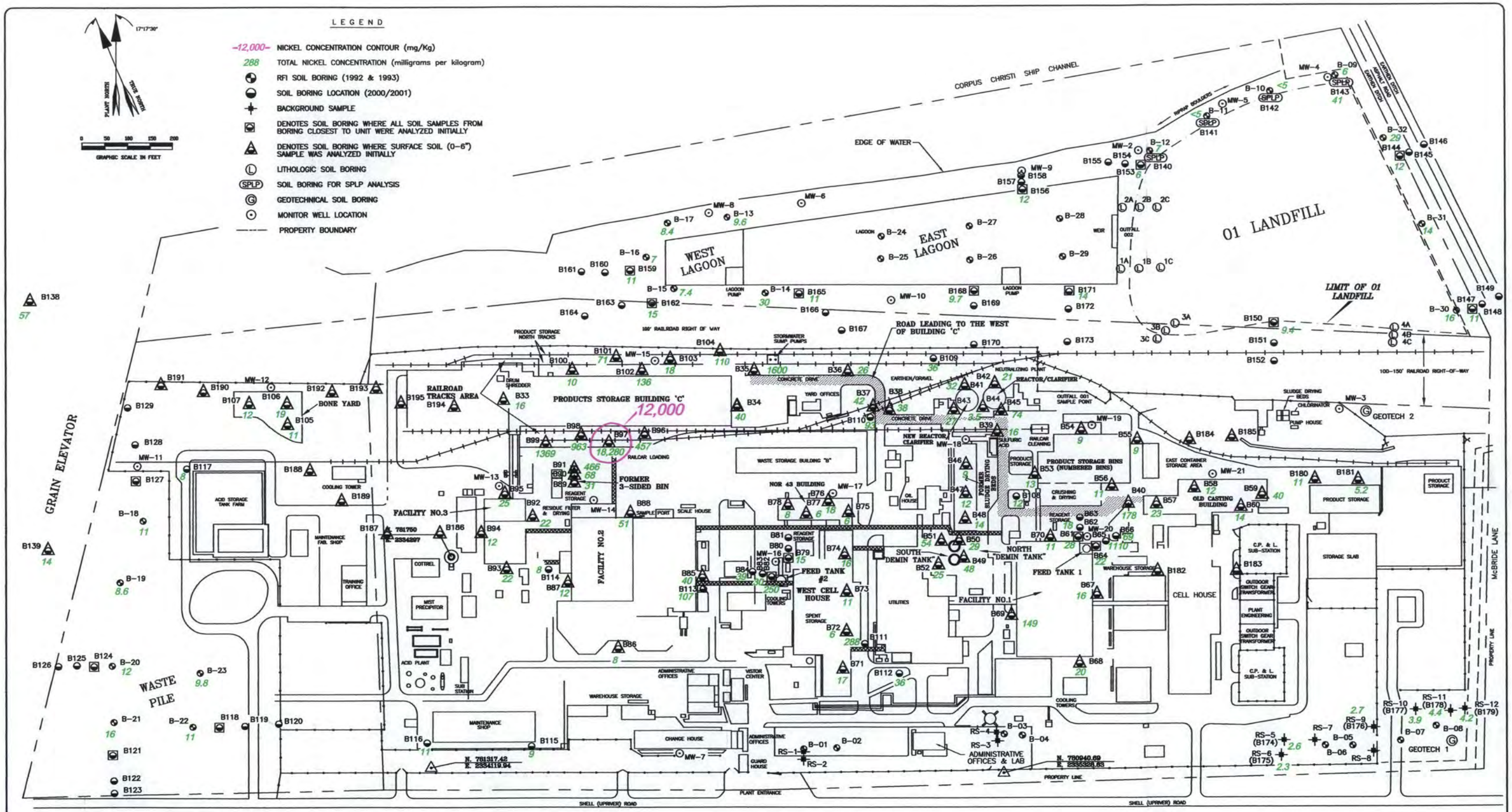
PROJECT NO.: CC000942.0001	FILE NO:
DRAWING: TOT-MN-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JAN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL MANGANESE CONCENTRATION IN SOIL (mg/Kg) 0-0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 20



ARCADIS

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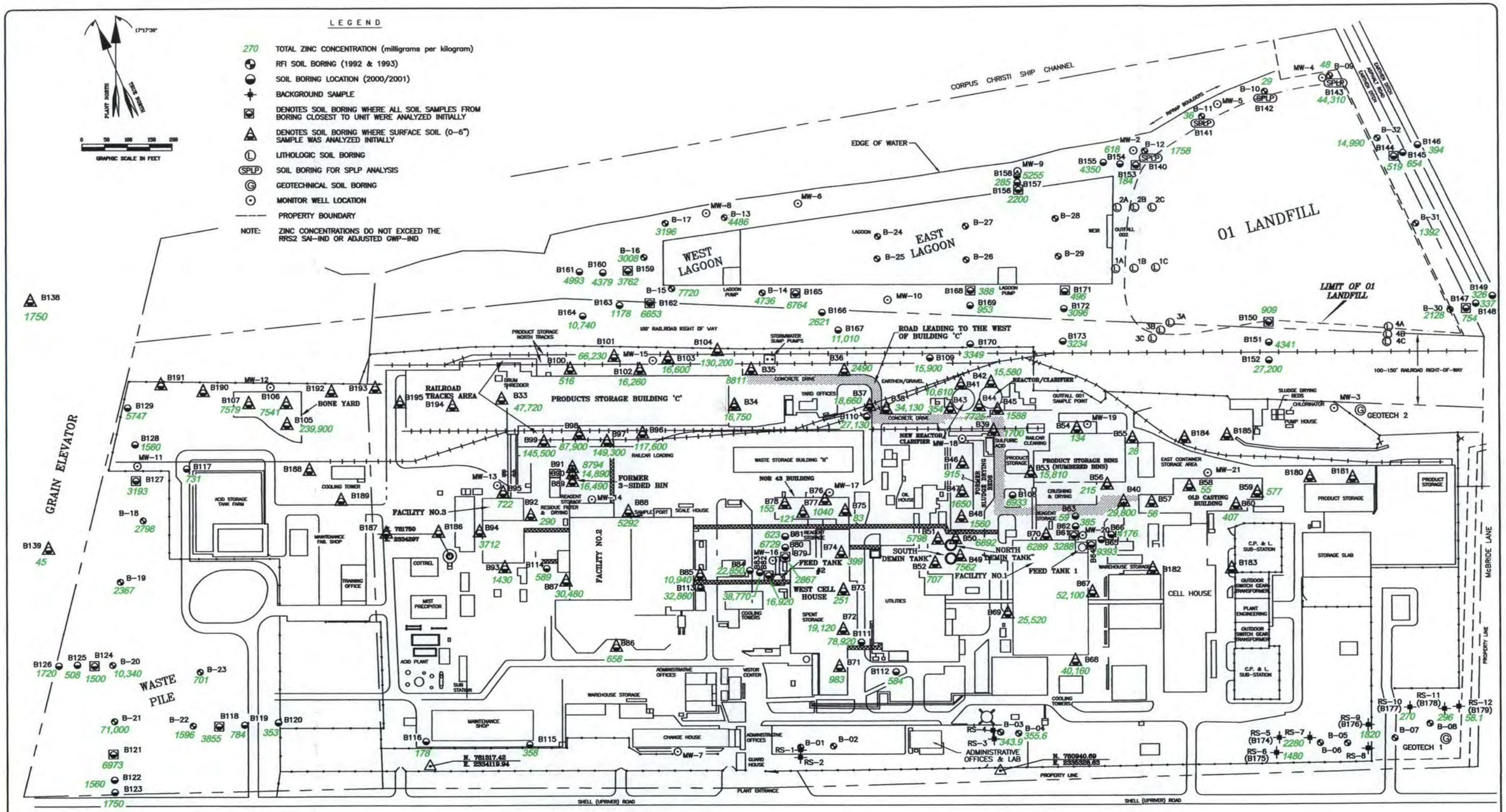
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000042.0001	FILE NO:
DRAWING: TOT-NI-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JAN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL NICKEL CONCENTRATIONS IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 21



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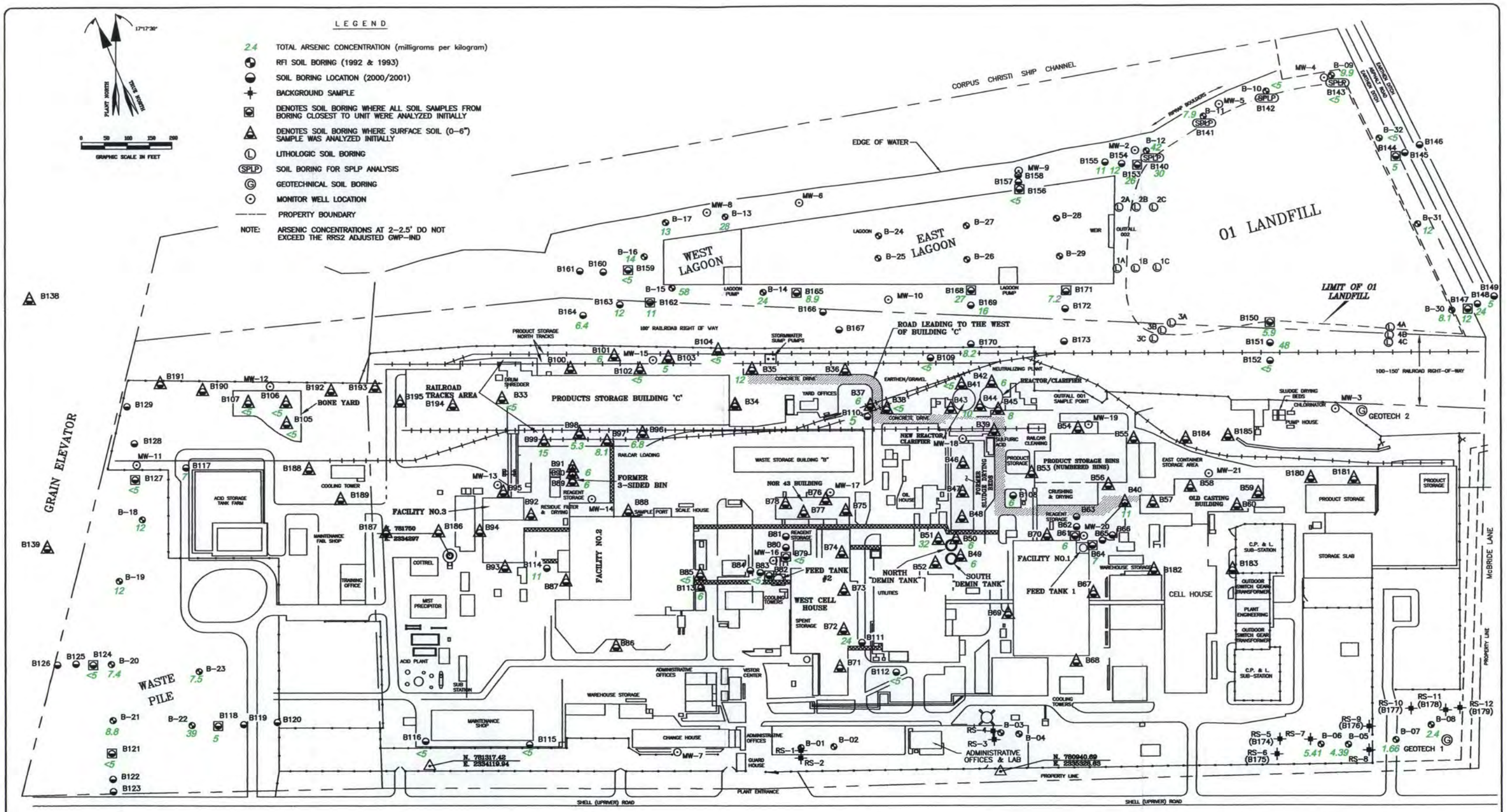
PROJECT NO.: CC000942.0001	FILE NO:
DRAWING: TOT-ZN-0-05'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JAN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL ZINC CONCENTRATRIONS IN SOIL (mg/Kg) 0 - 0.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 22



ARCADIS

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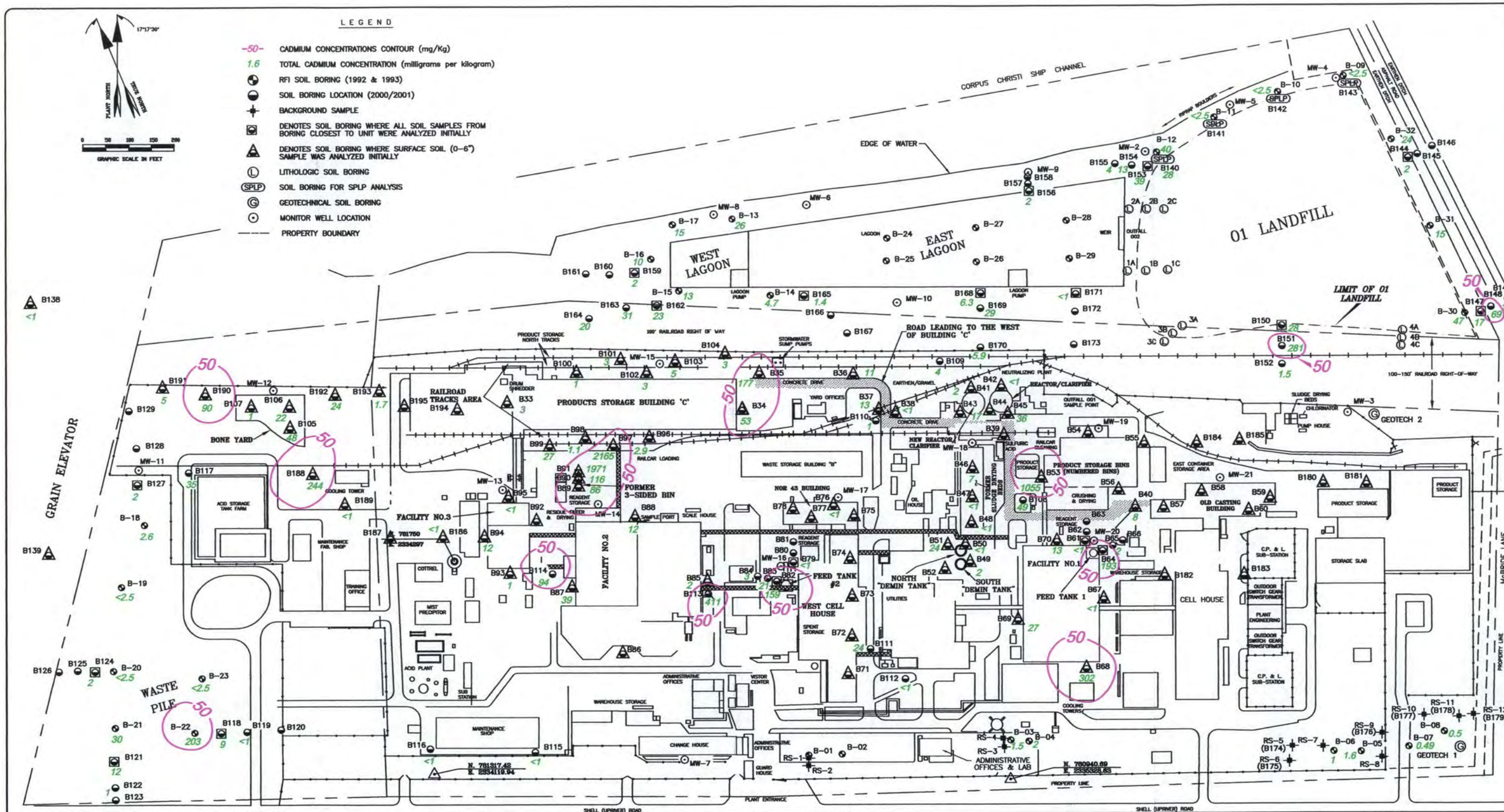
DRAWING: TGT-A3-2-2.5'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 06JUN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL ARSENIC CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 23



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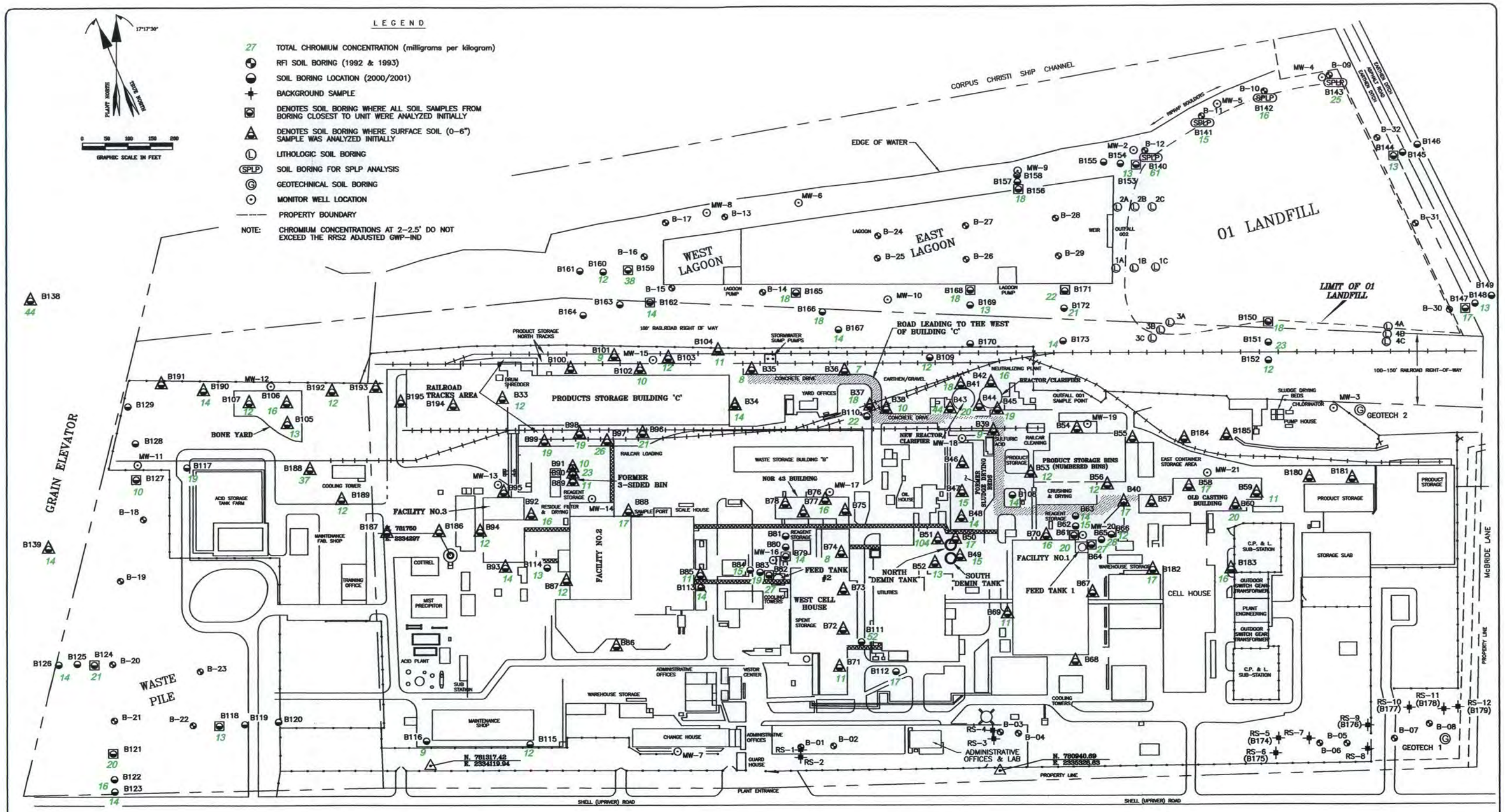
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000642.0001 FILE NO:
DRAWING: TOT-CS-2-2.5' PLOT SIZE: 1=1200
DRAFTED BY: DATE: 05JUN02
CHECKED BY: DATE:
APPROVED BY: DATE:

TOTAL CADMIUM CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 24



ARCADIS

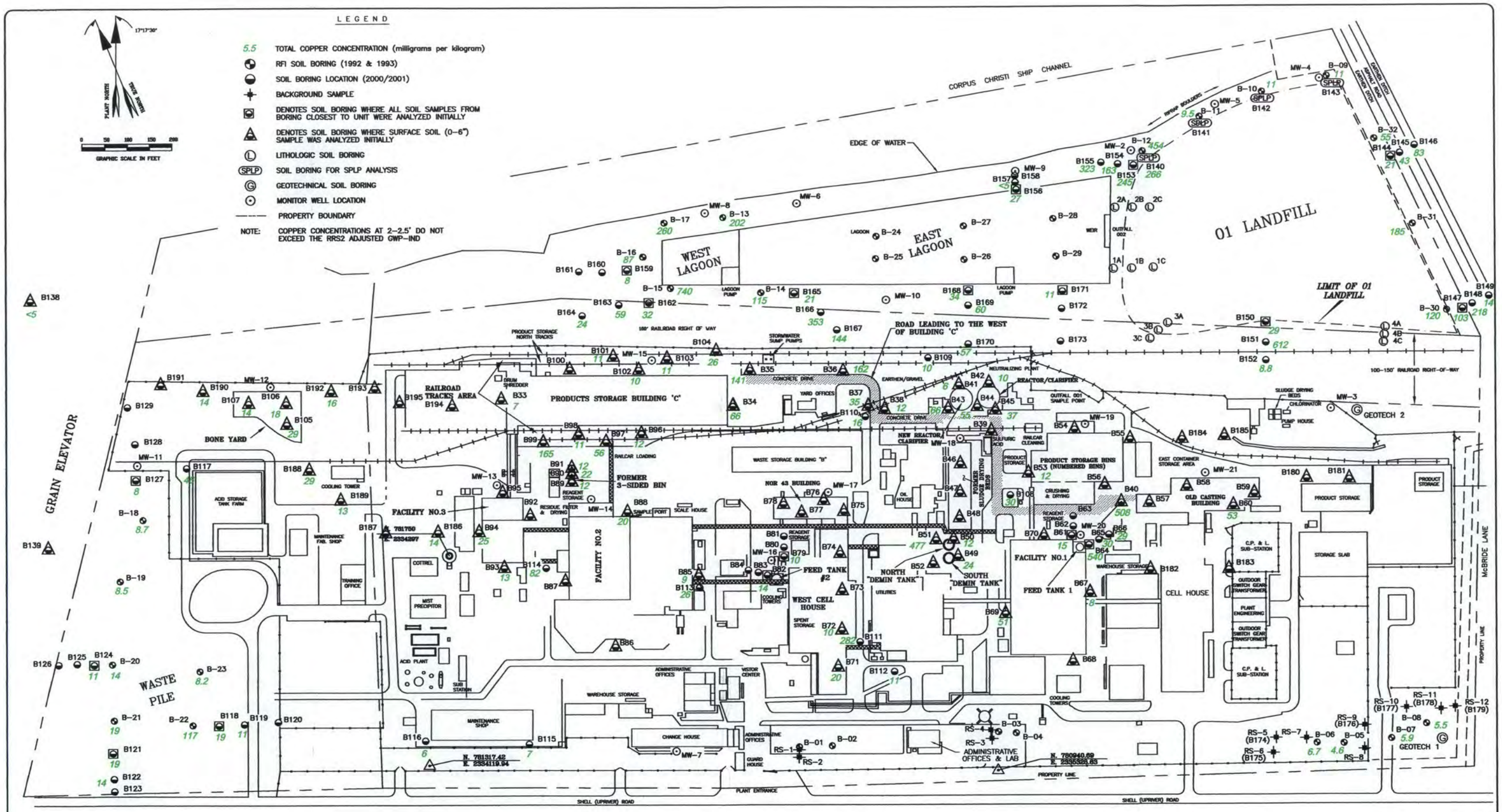
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000042.0001	FILE NO:
DRAWING: TOT-CR-2-2.5'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05.08.02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL CHROMIUM CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
25



ARCADIS

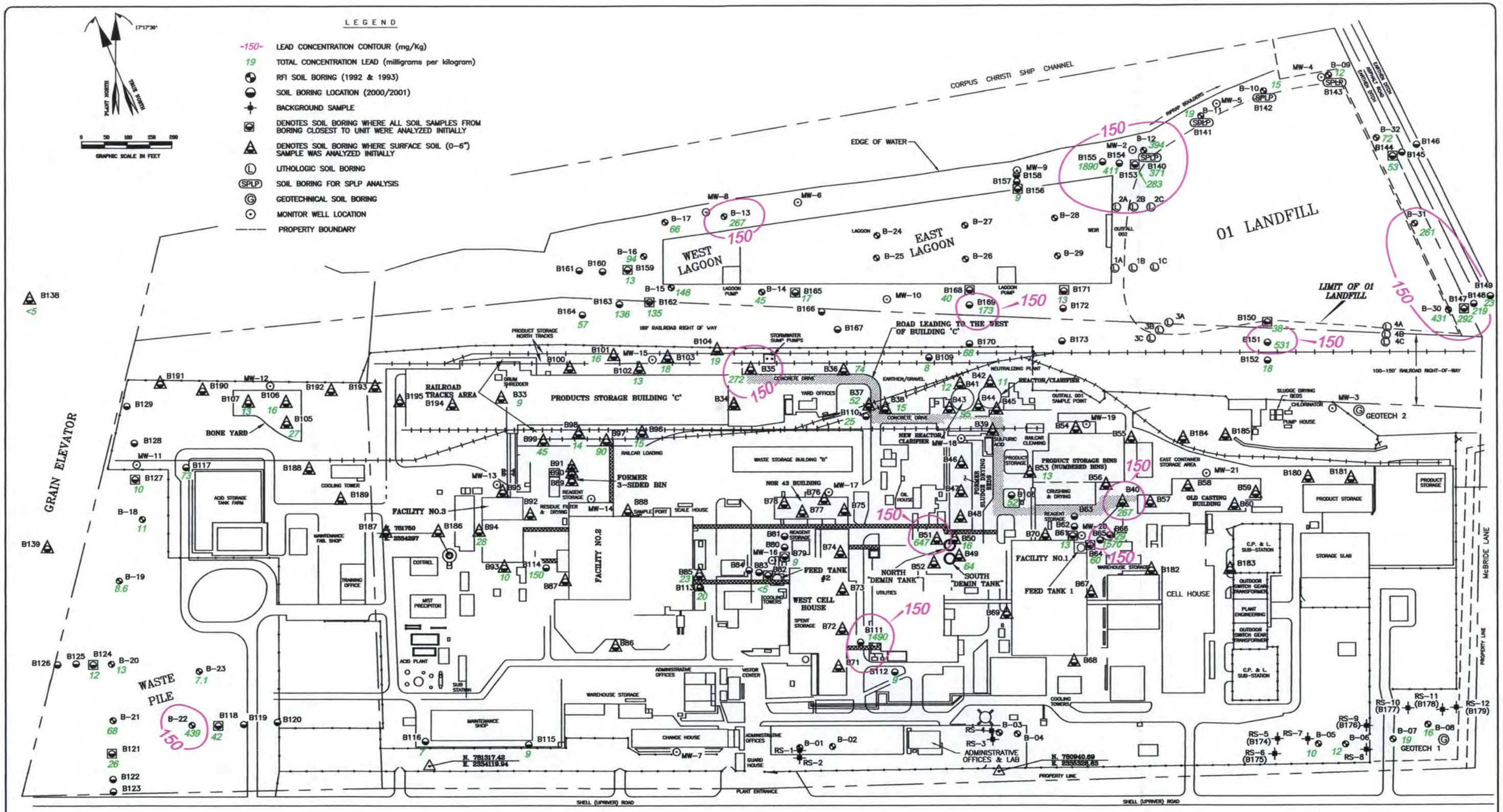
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000042.0001	FILE NO:
DRAWING: TOT-CU-2-2.5'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05.08.02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL COPPER CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 26



ARCADIS

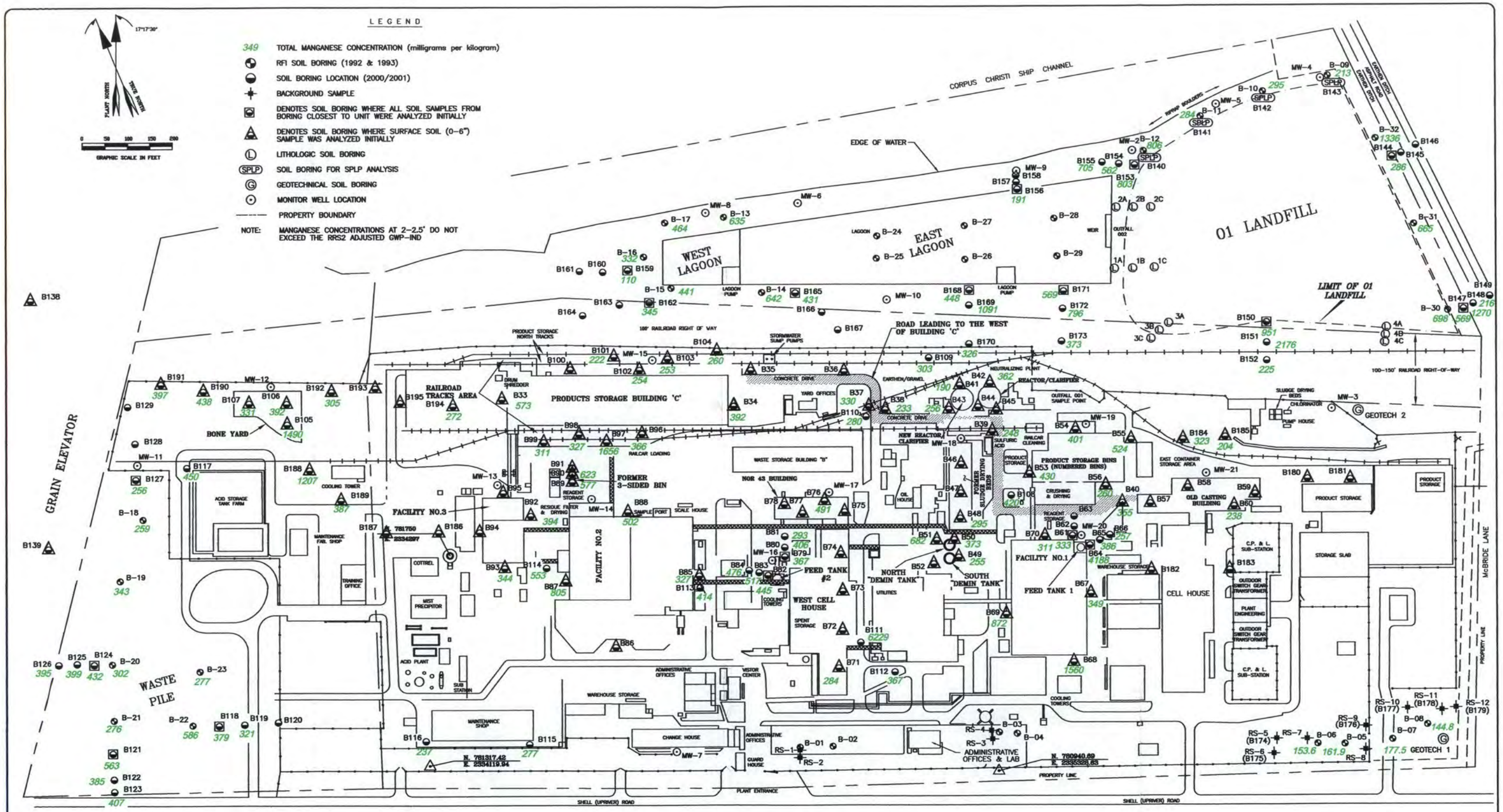
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000842.0001 FILE NO:
DRAWING: TOT-PB-2-2.5 PLOT SIZE: 1=1200
DRAFTED BY: DATE: 05JUN02
CHECKED BY: DATE:
APPROVED BY: DATE:

TOTAL LEAD CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 27



ARCADIS

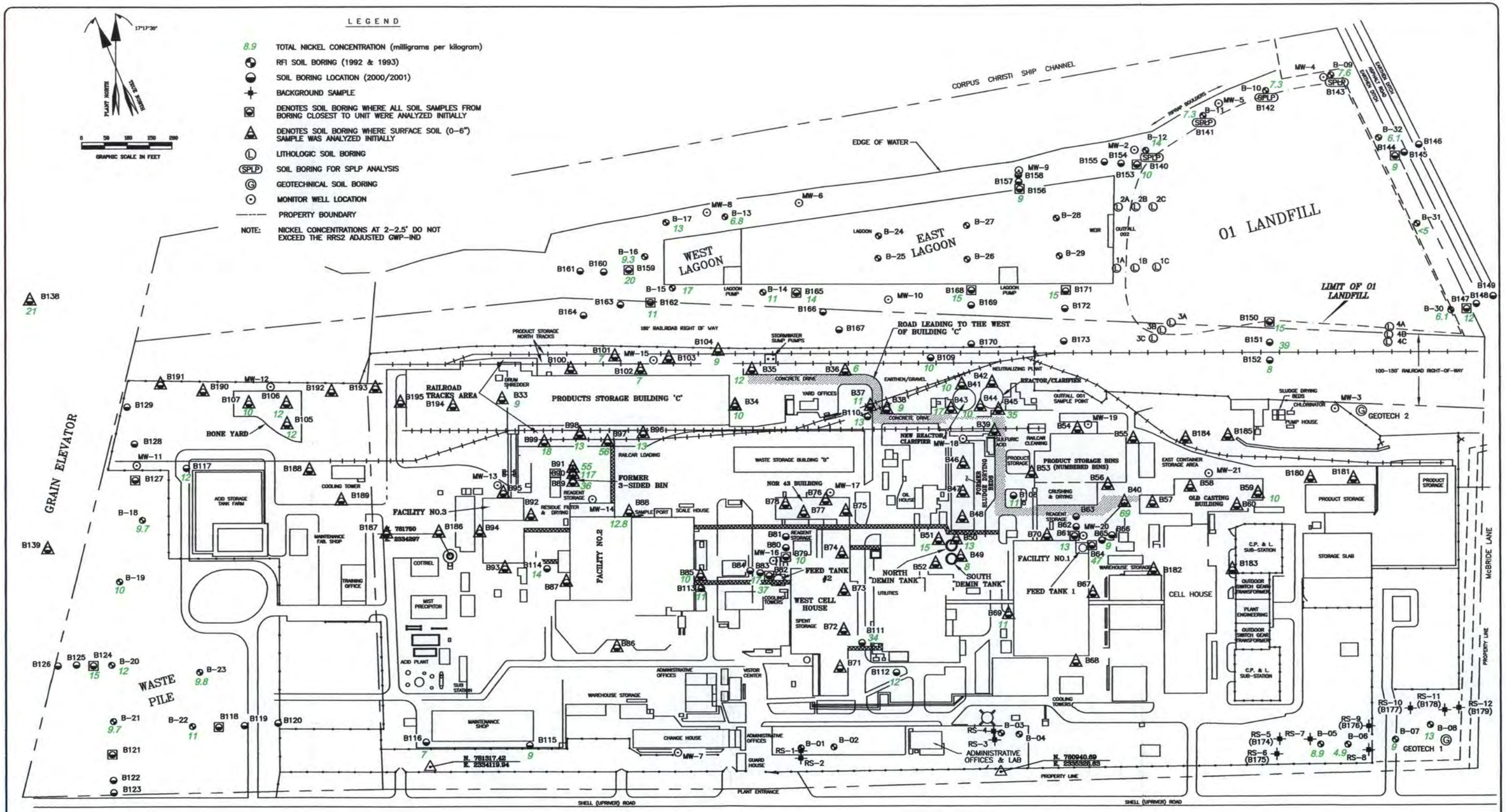
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC0000842.0001	FILE NO:
DRAWING: TOT-MN-2-2.5	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05JAN02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL MANGANESE CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 28



ARCADIS

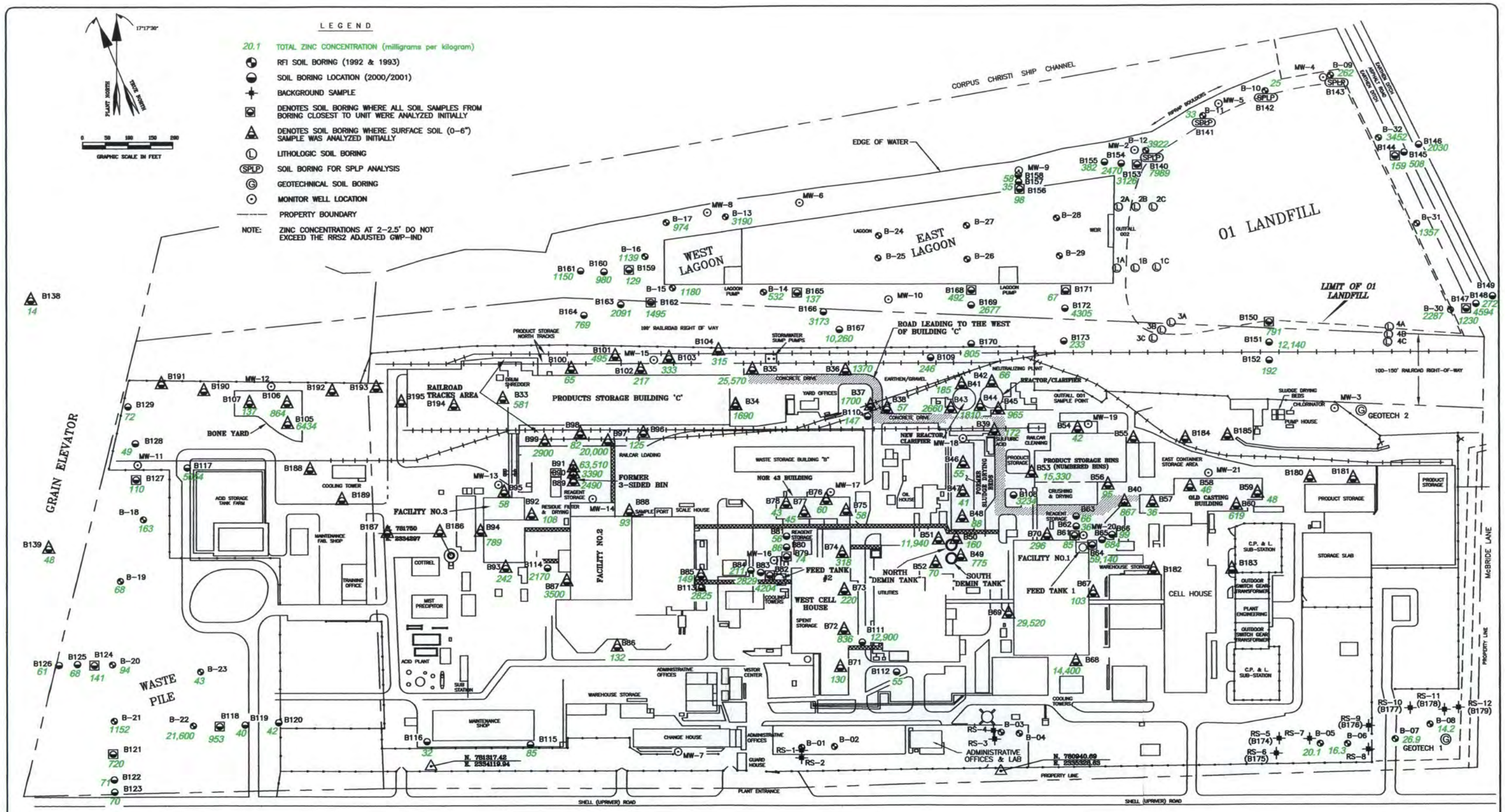
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000042.0001	FILE NO:
DRAWING:	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05.08.02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL NICKEL CONCENTRATION IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 29



ARCADIS

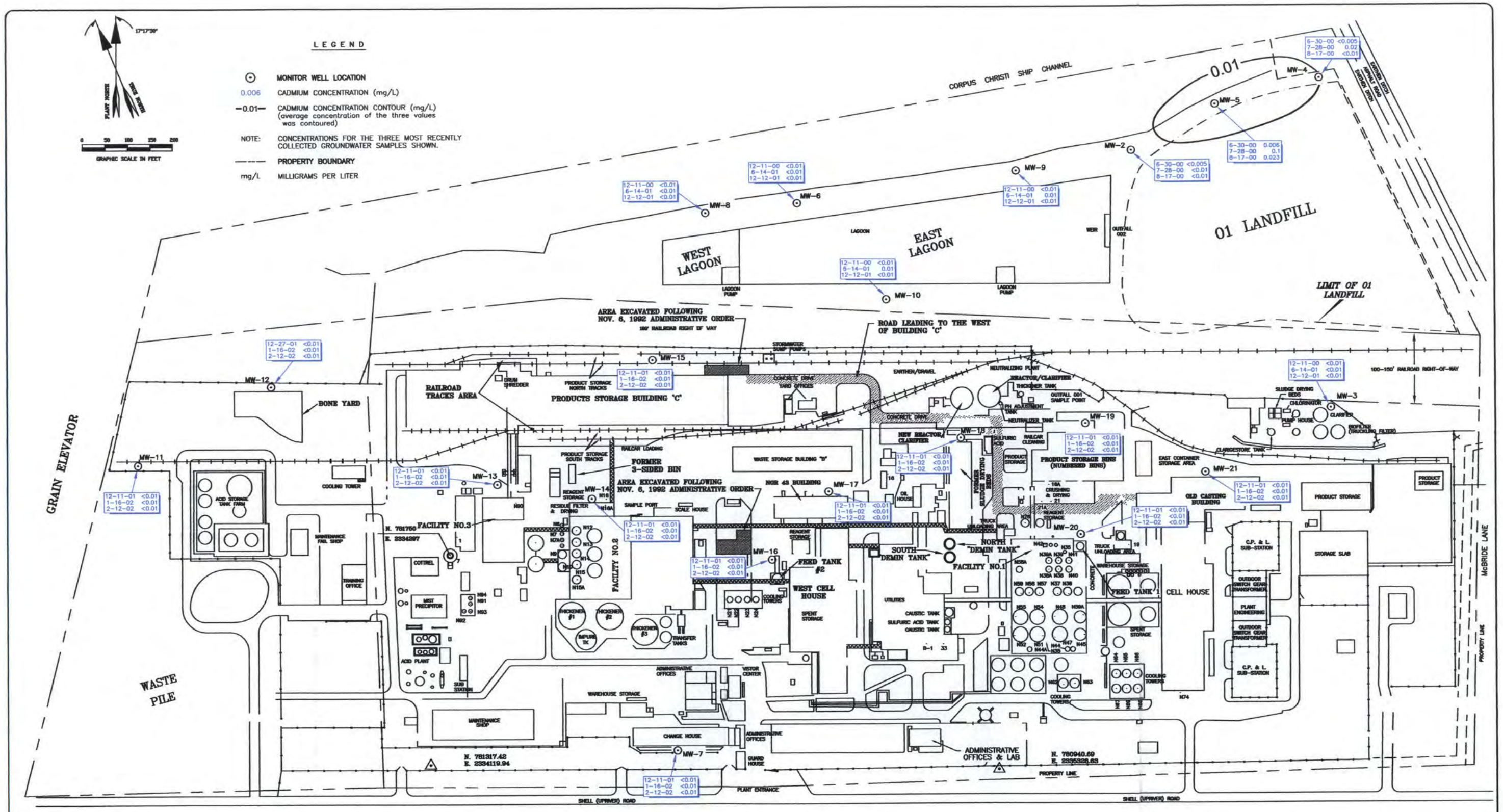
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.: CC000042.0001	FILE NO:
DRAWING: TOT-ZN-E-0.5'	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 05.09.02
CHECKED BY:	DATE:
APPROVED BY:	DATE:

TOTAL ZINC CONCENTRATIONS IN SOIL (mg/Kg) 2 - 2.5'

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 30



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

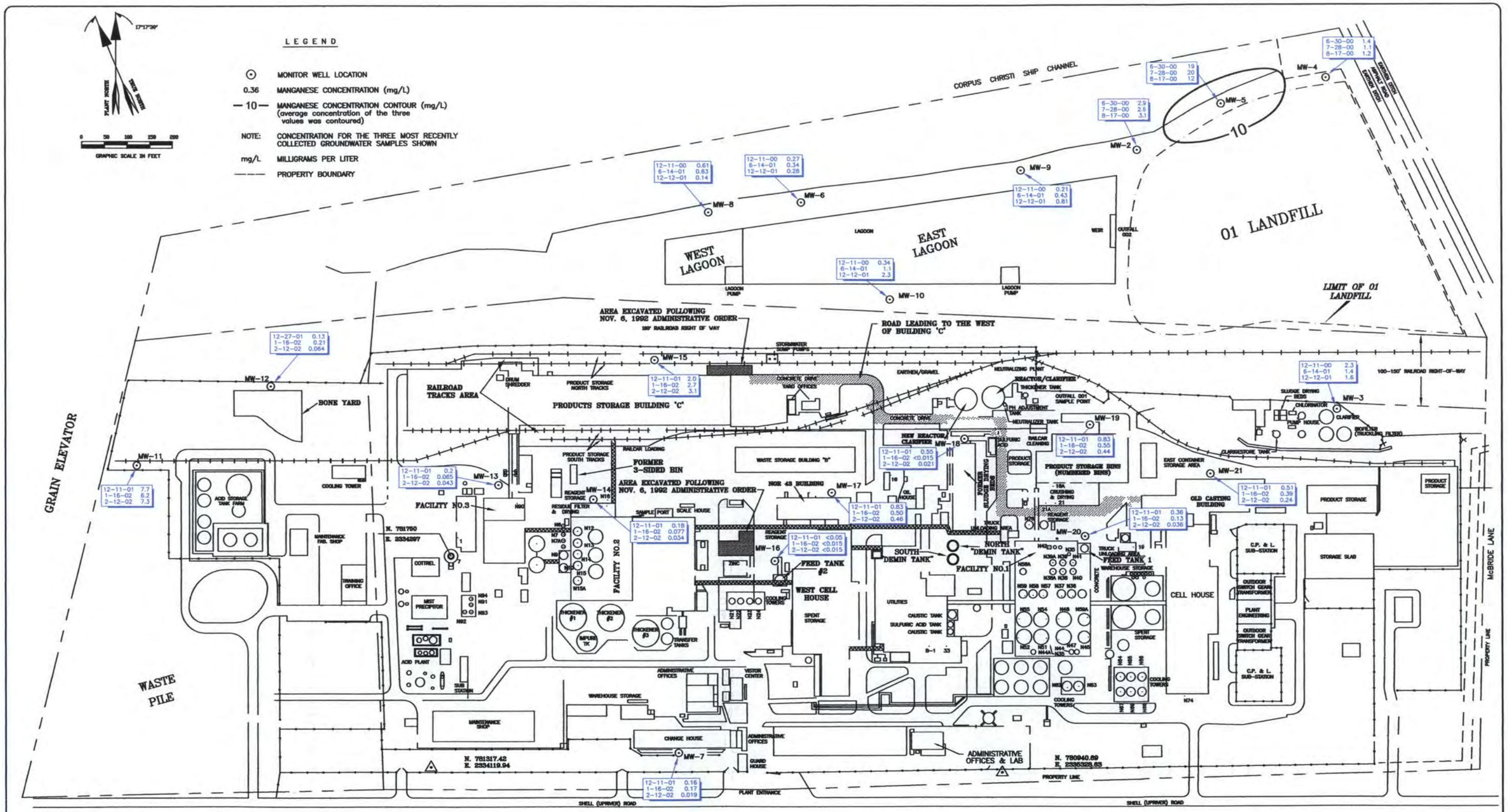
ARCADIS

PROJECT NO.: CC000642.0001 | FILE NO:
DRAWING: CS-CEN-GV | PLOT SIZE: 1=1200
DRAFTED BY: | DATE: 10JUL'02
CHECKED BY: K. BRANDNER | DATE:
APPROVED BY: | DATE:

CADMIUM CONCENTRATIONS IN GROUNDWATER (mg/L)

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 31



ARCADIS

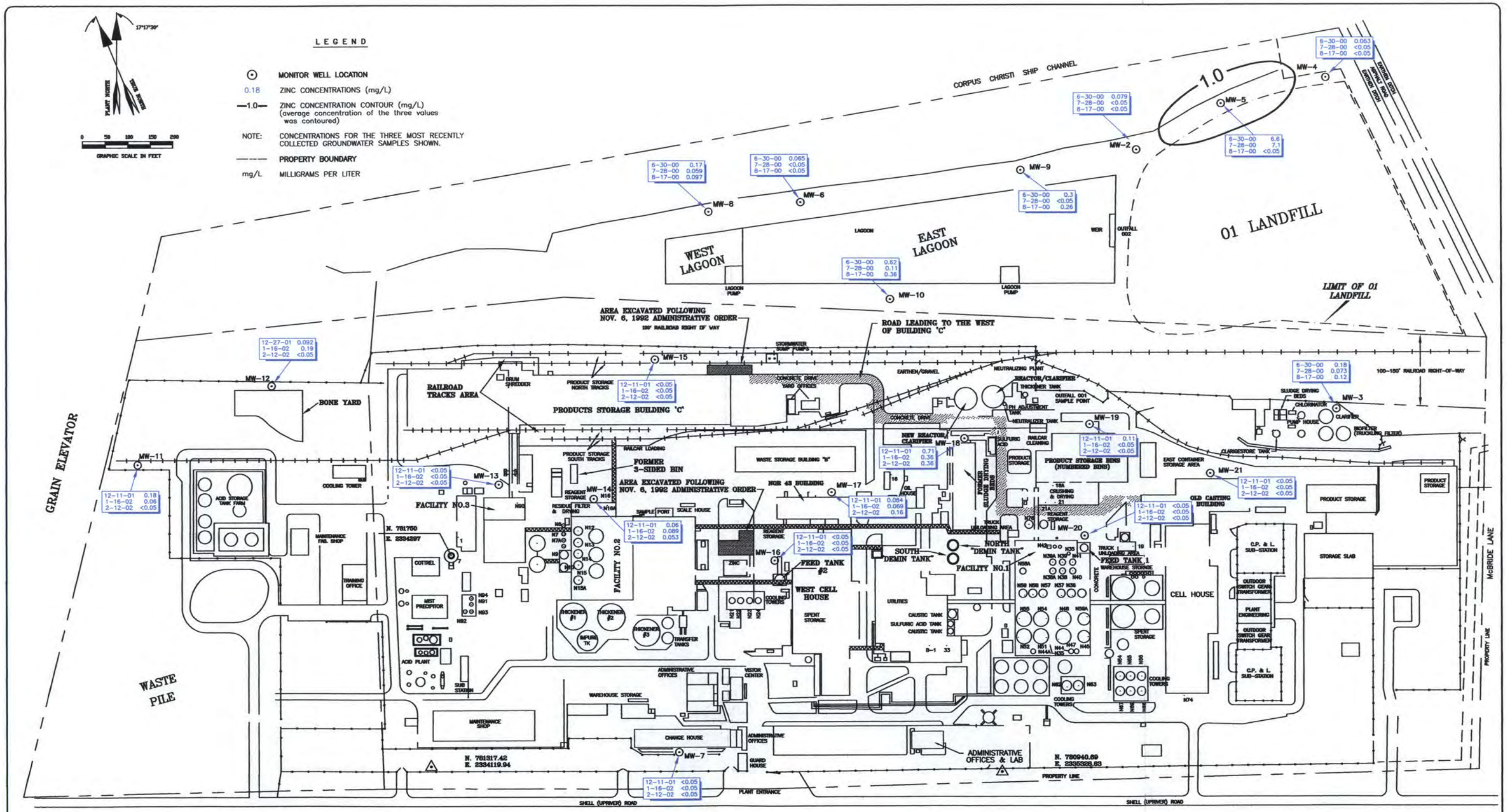
SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE					

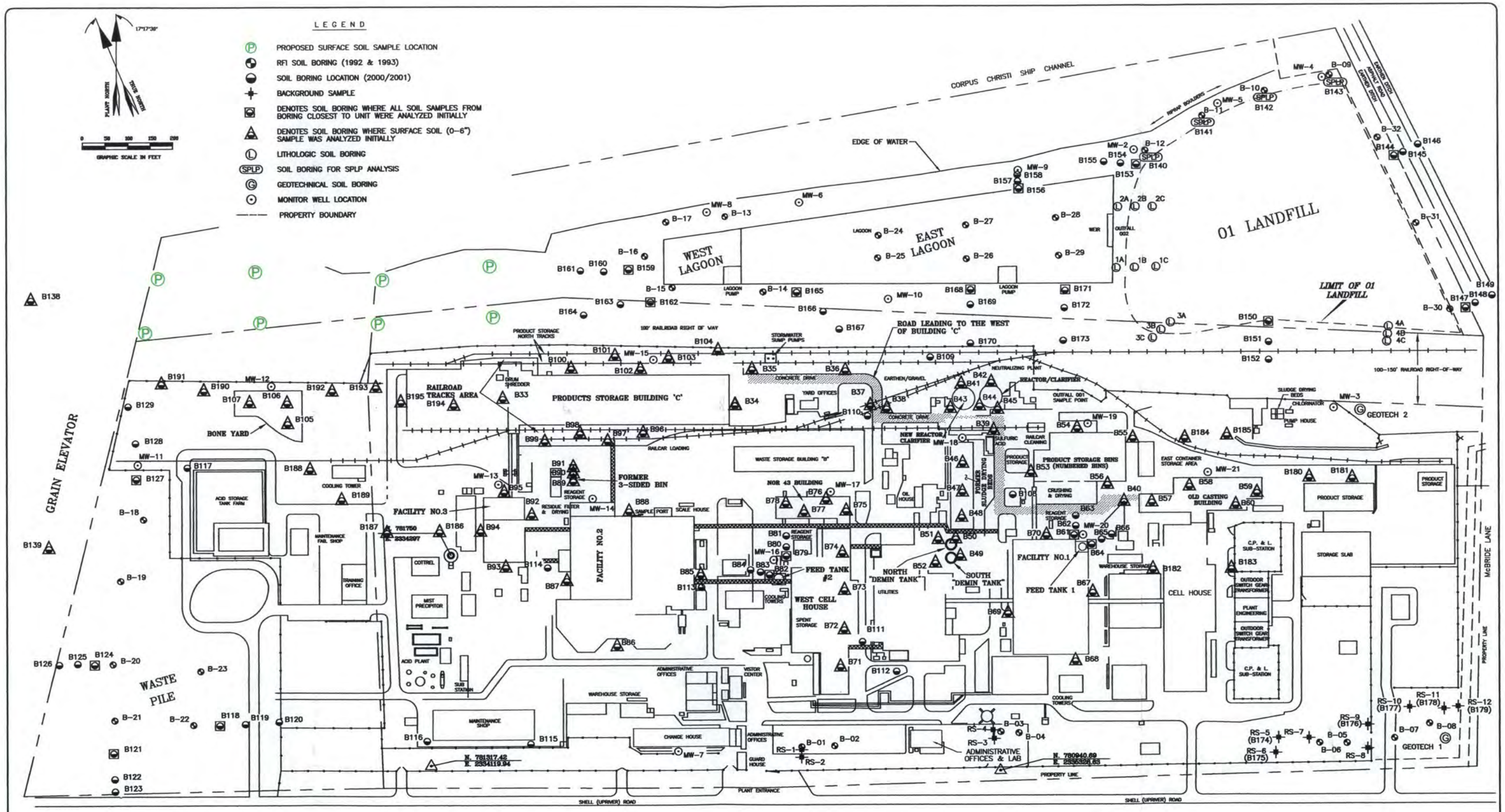
PROJECT NO.: CC000642.0001	FILE NO:
DRAWING:	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL'02
CHECKED BY: K. BRANDNER	DATE:
APPROVED BY:	DATE:

MANGANESE CONCENTRATIONS IN GROUNDWATER (mg/L)

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 32


LEGEND
MONITOR WELL LOCATION
0.18 ZINC CONCENTRATIONS (mg/L)
—1.0— ZINC CONCENTRATION CONTOUR (mg/L) (average concentration of the three values was contoured)
NOTE: CONCENTRATIONS FOR THE THREE MOST RECENTLY COLLECTED GROUNDWATER SAMPLES SHOWN.
PROPERTY BOUNDARY
mg/L MILLIGRAMS PER LITER
GRAPHIC SCALE IN FEET
CORPUS CHRISTI SHIP CHANNEL
01 LANDFILL
LIMIT OF 01 LANDFILL
WEST LAGOON
EAST LAGOON
GRAIN ELEVATOR
WASTE PILE
BONE YARD
RAILROAD TRACKS AREA
PRODUCTS STORAGE BUILDING 'C'
AREA EXCAVATED FOLLOWING NOV. 6, 1992 ADMINISTRATIVE ORDER
ROAD LEADING TO THE WEST OF BUILDING 'C'
FORMER 3-SIDED BIN
FACILITY NO.3
FACILITY NO.2
FACILITY NO.1
WEST CELL HOUSE
CELL HOUSE
SOUTH DEMIN TANK
NORTH DEMIN TANK
FEED TANK #2
FEED TANK 1
PRODUCT STORAGE BINS (NUMBERED BINS)
OLD CASTING BUILDING
ADMINISTRATIVE OFFICES & LAB
MAINTENANCE SHOP
CHANGE HOUSE
PLANT ENTRANCE
SHELL (UPRIVER) ROAD
McBRIDE LANE
PROPERTY LINE
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
1.0
6-30-00 0.063 7-28-00 <0.05 8-17-00 <0.05
6-30-00 0.079 7-28-00 <0.05 8-17-00 <0.05
6-30-00 6.6 7-28-00 7.1 8-17-00 <0.05
6-30-00 0.17 7-28-00 0.059 8-17-00 0.097
6-30-00 0.065 7-28-00 <0.05 8-17-00 <0.05
6-30-00 0.3 7-28-00 <0.05 8-17-00 0.26
6-30-00 0.62 7-28-00 0.11 8-17-00 0.36
6-30-00 0.18 7-28-00 0.073 8-17-00 0.12
12-27-01 0.092 1-16-02 0.19 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 0.18 1-16-02 0.06 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 0.06 1-16-02 0.089 2-12-02 0.053
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 0.71 1-16-02 0.36 2-12-02 0.36
12-11-01 0.084 1-16-02 0.069 2-12-02 0.16
12-11-01 0.11 1-16-02 <0.05 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
12-11-01 <0.05 1-16-02 <0.05 2-12-02 <0.05
N. 781750 E. 2334297
N. 781317.42 E. 2334119.94
N. 780940.69 E. 2335328.63
ARCADIS
SCALE VERIFICATION
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:
USE TO VERIFY FIGURE REPRODUCTION SCALE
REV. NO.
DATE
DESCRIPTION
BY
APPR.
PROJECT NO.: CC000042.0001
DRAWING: ZH-CONC
FILE NO:
PLOT SIZE: 1=1200
DRAFTED BY:
DATE: 10JUL'02
CHECKED BY: K. BRANDNER
DATE:
APPROVED BY:
DATE:
ZINC CONCENTRATIONS IN GROUNDWATER (mg/L)
ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS
FIGURE
33



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.: CC0000642.0001	FILE NO:
DRAWING: PROP-S-SAMP	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10JUL102
CHECKED BY:	DATE:
APPROVED BY:	DATE:

ARCADIS

PROPOSED SURFACE SOIL SAMPLE LOCATIONS

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 34

APPENDICES

APPENDIX A

ARCADIS

Appendix A

Site Photographs

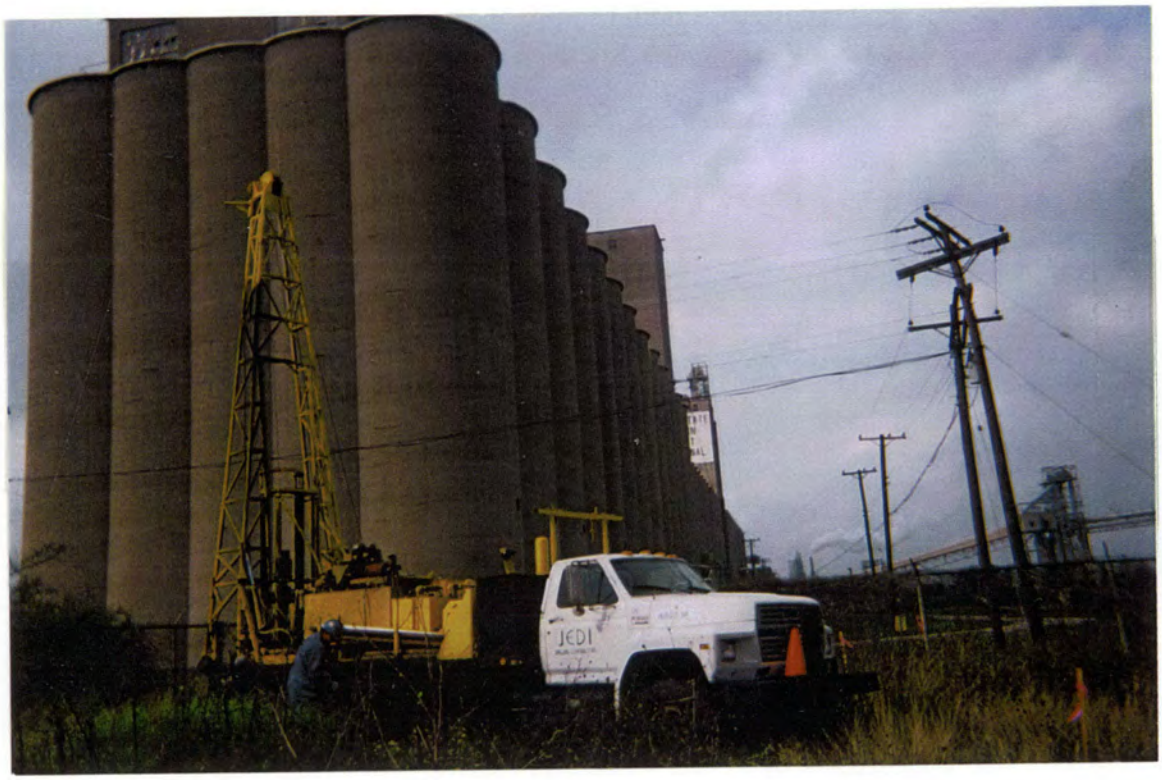


Photo 1. North end of Waste Pile during installation of monitor well MW-11, view facing west. Grain Elevator in background. Photo taken by A. Garcia, November 26, 2001.

Photo 2. North end of Facility No. 3 during installation of monitor well MW-13, view facing east. Photo taken by A. Garcia, November 14, 2001.

Photo 3. North end of Facility No. 2 during installation of monitor well MW-14, view facing southeast. Photo taken by A. Garcia, November 26, 2001.

Photo 4. NOR 43 building (on left) during installation of monitor well MW-17, view facing west. Photo taken by A. Garcia, November 19, 2001.

Photo 5. Reactor/clarifier (on right) and former sludge drying beds (on left) during installation of monitor well MW-18, view facing west. Photo taken by A. Garcia, November 13, 2001.

Photo 6. Numbered Storage Bins (on right) during installation of monitor well MW-19, view facing east. Photo taken by A. Garcia, November 12, 2001.

Photo 7. Facility No. 1 (on right) during installation of monitor well MW-20, view facing east. Photo taken by A. Garcia, November 20, 2001.

Photo 8. Old Casting Building during installation of monitor well MW-21, view facing west. Photo taken by A. Garcia, November 12, 2001.

APPENDIX B

ARCADIS

Appendix B

Soil Boring Logs

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.2' Tan sand (SW), loose, coarse grained.
	■	■	0.2-10' Tan silty clay (CL), stiff.
5	■	■	
10	■	■	10-13' Tan/orange clay (CL), very stiff.
	■	■	13-15' Brown sand to silty sand (SM), fine grained, loose, saturated.
15	■	■	15-16' Brown clay (CL), very stiff.
			TD @ 16 feet.

B-33
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/26/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.3' Tan, sand (SW), coarse grained, loose.
			0.3-8.2' Tan, silty clay to clay (CL), very stiff.
5			
			8.2-9.5' Tan, silt (ML), soft.
10			9.5-11' Orange clay (CL), very stiff.
			11-16' Brown silt (ML), soft, saturated at 14'.
15			TD @ 16 feet.

B-34
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/26/2001
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION	
	■	■	0-1'	Mix of shells & clay (CL).
	■	■	1-3'	Tan silty clay (CL), stiff.
	■	■	3-3.5	Tan sand (SP), fine grained, loose.
	■	■	3.5-8'	Tan silty clay (CL), stiff.
5	■	■		
	■	■	8-11'	Tan clay (CH), hard, fat.
	■	■		
10	■	■	11-12.5'	Light brown silty clay (CL), stiff.
	■	■	12.5-14.3'	Brown silty sand (SM), very fine grained.
	■	■		
	■	■	14.3-16.5'	Brown clayey silt (ML), stiff.
15	■	■		
	■	■	16.5-18'	Brown silt (ML), soft, saturated @16.5'.
	■	■		
20	■	■	18-20'	Tan/brown sand (SP), medium grained, loose.
				TD at 20 feet.

B-35
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-4" Mix of shells, silt, clay (ML).
			4"-4' Tan/brown sandy silt (ML), very fine grained, soft.
5			4'-11.5' Brown silty sand (SM) to sand, very fine grained, loose.
10			11.5'-16' Gray sand (SP), medium to coarse grained, poorly sorted with pea sized gravel. Saturated at 12.5'.
15			
			TD at 16 feet.

B-36
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-2' Mix of shells, clay, silt (CL, ML).
	■	□	
	■	■	2-5' Tan clay (CL), very stiff.
	■	□	
	■	□	
	■	□	
	■	■	
5			
	■	■	5-7' Tan silty clay (CL), stiff.
	■	□	
	■	□	7-9' Tan clay (CL), very stiff.
	■	■	
	■	■	9-12' Tan silt to sandy silt (ML), very fine grained.
	■	□	
10			
	■	□	
	■	■	12-14' Tan sand (SP), fine grained, loose, saturated at 13'.
	■	□	
	■	■	
	■	□	14-15' Tan clay (CL), very stiff, fat.
15			
			TD at 15 feet.

B-37
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Mix of shells, clay, stiff (CL).
			0.5-4.1' Brown and black silty clay (CL), stiff.
5			4.1-9' Tan/orange silty clay (CL), stiff.
10			9-10' Tan sand (SP), fine grained, loose.
			10-12' Gray silt (ML), soft.
			12-20' Mix of tan and gray sand (SP), fine grained, loose, saturated at 17.5'.
15			
			TD at 17 feet.
20			

B-38
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-1.5' Tan silty clay (CL), stiff.
	■	□	1.5-3.6' Dark brown silty clay (CL), stiff.
	■	□	
	■	□	
	■	□	3.6-8' Tan silty clay (CL), very stiff.
5	■	■	
	■	□	
	■	□	8-11.5' Tan sandy silt (ML), soft.
	■	■	
	■	□	
10	■	□	
	■	□	11.5-17' Tan sand (SP), fine grained, loose. Saturated at 16'.
	■	■	
	■	□	
	■	□	
	■	■	
15	■	□	
	■	□	17-17.3' Tan, clay (CL), very stiff.
	■	■	
	■	□	17.3-20' Tan, sand (SW), fine grained, well sorted, saturated.
	■	□	
20	■	□	
	□	□	TD at 20 feet.

B-39
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-8" Caliche and clay (CL), white caliche with brown clay, hard.
	■	■	8"-8' Brown to tan silty clay (CL), stiff.
5	■	■	
	■	■	8-11.7' Tan sandy silt (ML), soft, very fine grained.
10	■	■	11.7-16.6' Tan sand (SW), fine grained, well sorted.
15	■	■	16.6-17' Tan clay (CL), stiff.
	■	■	17-20' Tan sand (SW), loose, well sorted, saturated at 17'.
20	■	■	TD at 20 feet.

B-40
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Black, silty clay (CL), rocks.
			1-10' Brown silt (ML), soft.
5			
10			10-16' Tan sand (SP), medium to fine grained sand, loose, saturated at 15.5'
15			
			TD at 16 feet.

B-41
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS ▽ HC LEVEL

SB - SPLIT BARREL (5') ▼ WATER LEVEL

SS - SPLIT SPOON (2')

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-10' Brown silty clay (CL), stiff.
5			
10			10-11.8' Black silty clay (CL), stiff.
			11.8-16' Tan sand (SP), fine grained, saturated at 15.5'.
15			
			TD at 16 feet.

B-42
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1' Brown, clay (CL), shells, stiff.
	■	□	
	■	□	1-2.2' Brown silty clay (CL), stiff.
	■	□	
	■	□	2.2-4.4' Tan/brown sand (SP), coarse to medium grained,
5	■	□	poorly sorted, loose.
	■	■	
	■	□	4.4-8.5' Tan, silty clay (CL), stiff.
	■	□	
	■	□	
	■	■	8.5-12' Tan silty sand (SM), very fine grained, soft.
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	12-20' Tan sand (SW), fine grained, loose, saturated at 17'.
	■	□	
	■	□	
	■	■	
15	■	□	
	■	□	TD at 20 feet.
	■	□	
	■	■	
	■	□	
	■	□	
20	■	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-43
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-12' Brown sandy silt (SM), stiff.
5			12-16' Tan sand (SP), fine grained, loose, saturated at 15'.
10			
15			
			TD at16 feet.

B-44
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-10' Tan sandy silt (SM), soft.
5			
10			10-13' Tan silty sand (SM), very fine grained, loose.
			13-16' Tan sand (SM), very fine to fine grained, loose, saturated at 13'.
15			TD at16 feet.

B-45
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-8.9' Brown/tan silty clay (CL), stiff.
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
	■	■	8.9-11' Tan silty sand (SM), very fine grained, loose.
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	11-18' Tan sand (SW), well sorted fine grained, loose. Saturated at 16'.
	■	□	
	■	□	
	■	■	
15	■	□	
	■	□	TD at18 feet.
	■	■	
	■	□	
	■	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-46
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8.9' Brown/tan silty clay (CL), stiff.
5			
			8.9-11' Tan silty sand (SM), very fine grained, loose.
10			
			11-12' Tan sand (SP), loose, well sorted, fine grained, saturated at 11.5'.
15			TD at12 feet.

B-47
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-9.9' Brown/tan silty clay (CL), stiff.
5			
			9.9-12' Tan silty sand (SM), loose, soft, saturated at 11.5'.
10			
			TD at 12 feet.
15			

B-48
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-2' Tan/brown clay (CL) and silt(ML), shells.
	■	□	
	■	□	
	■	■	
	■	□	2-9.5' Brown silty clay (CL), stiff.
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	■	9.5-14' Orange clay (CL), very stiff.
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	14-16' Tan silty (ML), minor sand, soft, saturated at 14'.
	■	■	
15	■	□	
	■	□	
	□	□	
	□	□	
	□	□	
	□	□	TD at16 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-49
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.3' Brown silty clay (CL) with shells, stiff.
			1.3-11.5' Tan silty clay (CL), stiff.
5			
10			11.5-14' Tan silt to clayey silt (ML), with sand lenses, soft, saturated at 12.5'.
15			14-16' Orange silty clay (CL), stiff.
			TD =16 feet.

B-50
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-1' Dark brown clay (CL) w/shells, stiff.
	■	■	1-1.4' Tan sand (SP), loose, fine to medium grained.
	■	□	1.4-10' Brown silty clay (CL), stiff.
5	■	■	10-12.5' Orange clay (CL), very stiff.
	■	□	
	■	□	
	■	□	
	■	■	
	■	□	
10	■	□	12.5-15' Brown silt (ML), soft, saturated at 12.5'.
	■	□	
	■	■	
	■	□	
	■	□	
15	■	□	15-16' Tan silty clay (CL), stiff.
	□	□	
	□	□	TD =16 feet.

B-51
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-2.3' Brown mix of sand, silt, clay (SM, SC) and shells, soft.
	■	■	2.3-9' Brown silty clay (CL), stiff.
5	■	■	
	■	■	9-14.5' Orange clay (CL), very stiff.
10	■	■	
	■	■	14.5-15.5' Brown silt (ML), minor sand, soft, saturated at 14.5'.
15	■	■	15.5-16' Orange silty clay (CL), stiff.
			TD =16 feet.

B-52
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Tan clay to silty clay (CL), stiff.
			1-5' Brown silty clay (CL), stiff.
5			5-10.7' Tan silty clay (CL), stiff.
10			10.7-11.5' Tan clayey silt (ML), stiff.
			11.5-12' Tan sandy silt (SM), soft.
			12-16.4' Tan sand (SW), fine grained, loose, well sorted.
15			16.4-18 Orange sand (SW), fine grained, soft, loose, saturated at 17.5'.
			TD =18 feet.
20			

B-53
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-4' Tan silty clay (CL), stiff.
			4-7' Gray to black silty clay (CL), stiff.
5			
			7-10.2 Brown silty clay (CL), stiff.
10			10.2-12' Tan/brown silty sand (SM), soft.
			12-15' Tan sand (SW), fine grained, well sorted, loose, saturated at 14'.
15			
			TD =15 feet.

B-54
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Tan silty clay (CL), stiff.
			3-7' Tan sand (SW), fine grained, loose.
5			
			7-8' Brown silty clay (CL), stiff.
10			8-15' Tan sand, fine grained, loose, saturated at 12'.
15			TD =15 feet.

B-55
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-0.8' Tan/orange/brown clay, silt (CL, ML), rocks.
	■	□	0.8-8.3' Tan silty clay (CL), stiff.
5	■	□	
	■	□	8.3-10.7' Tan silt (ML), soft.
	■	□	
10	■	□	10.7-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 14.5'.
	■	□	
15	■	□	
	□	□	TD =16 feet.

B-56
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8.2' Brown/tan silty clay (CL), stiff.
5			
			8.2-12' Tan silty sand (SM), soft.
10			
			12-16' Tan sand (SP), fine grained, loose, saturated at 15.6'.
15			
			TD =16 feet.

B-57
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-1' Tan sandy silt (ML), soft.
	■	☐	1-7' Brown silty clay (CL), stiff.
5	■	■	
	■	☐	7-16' Tan sand (SM), very fine grained, minor silt, loose, soft, saturated at 15.7'.
10	■	☐	
	■	☐	
15	■	☐	
	■	■	TD =16 feet.

B-58
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Tan sandy silt (ML), soft.
			1-7' Brown silty clay (CL), stiff.
5			
			7-15.5' Tan silt (ML), firm to soft.
10			
			15.5-16' Brown sand (SW), fine grained, loose, well sorted, saturated at 15.5'.
15			
			TD =16 feet.

B-59
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-7.6' Tan/brown silty clay (CL), stiff, gray in color from 5-7'.
5			
			7.6-12' Tan silty sand (SM) to sand, very fine grained, soft, saturated at 10'.
10			
			TD = 12 feet.
15			

B-60
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.2' Orange sand (SW), medium grained, loose.
5	■	■	0.2-10.5' Brown/tan silty clay (CL), stiff.
10	■	■	10.5-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15'.
15	■	■	TD =16 feet.

B-61
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.2' Orange sand (SW), medium grained, loose.
5			0.2-10.5' Brown/tan silty clay (CL), stiff.
10			10.5-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15'.
15			TD =16 feet.

B-62
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.2' Orange sand (SW), medium grained, loose.
5			0.2-10.5' Brown/tan silty clay (CL), stiff.
10			10.5-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15'.
15			TD =16 feet.

B-63
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-9.8' Tan/brown silty clay (CL), soft.
5			
			9.8-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15'.
10			
15			TD =16 feet.

B-64
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-9.8' Tan/brown silty clay (CL), soft.
5			
			9.8-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15.3'.
10			
15			
			TD =16 feet.

B-65
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-9.8' Tan/brown silty clay (CL), soft.
5			
			9.8-16' Tan sand (SW), fine grained, well sorted, loose, saturated at 15.7'.
10			
15			
			TD =16 feet.

B-66
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-1' Tan sandy, clayey silt (ML), soft.
	■	■	1-5' Tan silty clay (CL), stiff.
5	■	■	5-8' Tan/orange clay (CL) with minor silt, gypsum present, very stiff.
10	■	☐	8-11.5' Tan silty clay (CL), stiff.
	■	■	11.5-13.7' Tan sand (SW), fine to medium grained, loose, well sorted, saturated at 11.5'.
15	■	☐	13.7-16' Orange clay (CH), fat, very stiff.
	☐	☐	TD =16 feet.

B-67
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-8.3' Brown silty clay (CL), stiff.
	■	□	
	■	□	
	■	□	
	■	□	
5	■	□	
	■	□	8.3-15' Orange clay (CL), very stiff, plastic.
	■	□	
	■	□	
	■	□	
10	■	□	
	■	□	
	■	□	
	■	□	
15	■	□	15-15.7' Tan silt (ML), stiff.
	□	□	15.7-16' Tan sand (SM), very fine grained, soft, saturated at 15.7'.
			TD =16 feet.

B-68
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Brown/tan silty sand (SM), fine grained, soft.
5			3-11' Brown silty clay (CL), stiff, becoming tan at 6.7'-11'.
10			11-15.6' Orange clay (CH), fat, very stiff.
15			15.6-16' Tan silty to sandy silt (ML), very fine grained, saturated at 15.6'.
			TD =16 feet.

B-69
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/15/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-7.6' Tan silty clay (CL), stiff.
5			
			7.6-8.1' Tan sand with minor silt (SM), fine grained, loose.
10			8.1-10' Tan clayey silt (ML), stiff.
			10-12' Tan silt with minor sand (ML), soft, saturated at 11.5'.
15			
			TD =12 feet.

B-70
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/19/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Mix of brown/orange clay, silty and sand (SC, SM).
			0.5-8' Brown to tan silty clay (CL), stiff.
5			
			8-10' Tan clay (CL), very minor silt, very stiff, plastic.
10			
			10-14.5 Tan silty clay (CL), stiff.
			14.5-15.3' Tan silt to clayey silt (ML), soft.
15			15.3-16' Tan/orange clay (CL), very stiff.
			16-16.8' Tan sand (SW), fine grained, well sorted.
20			16.8-22.5' Orange/tan clay (CL), very stiff.
			22.5-24' Tan sand (SW), very fine grained, well sorted, saturated at 22.5'.
			TD =24 feet.

B-71
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/14/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3.2' Yellowish silty sand (SM), soft.
			3.2-8' Brown silty clay (CL), soft.
5			
			8-10' Tan silty sand (SM), loose.
10			10-17' Orange clay (CL), very stiff, plastic, more silty at 12'-17'.
15			
			17-18' Tan silty (ML), soft, saturated at 17'.
			18-24' Orange clay (CL), very stiff, plastic.
20			
			TD =24 feet.

B-72
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/14/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.2' Tan silty sand (SM), soft.
			1.2-8' Brown silty clay (CL), stiff.
5			
			8-10.3' Brown/tan sand (SW) with minor silt, loose, soft.
10			10.3-20.5' Orange clay (CL), fat, very stiff, plastic.
15			
20			20.5-22' Brown silty sand (SM), very fine grained, soft, saturated at 20.5'.
			22-26' Orange clay, very stiff (CL).
			TD =26 feet.

B-73
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2.5' Tan brown silty sand (SM), soft.
			2.5-9' Tan silty clay (CL), stiff.
5			
			9-9.8' Brown silty (ML), clayey silt (CL), soft.
10			9.8-20.5' Tan clay (CL) with minor silt, very stiff.
15			
20			20.5-22.5' Tan clayey silt (ML), with minor sand, saturated at 20.5'-22.5', soft.
			22.5-24' Orange clay (CH), fat, plastic, very stiff.
			TD =24 feet.

B-74
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/14/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8' Tan brown silty sand (SM), soft.
5			
			8-26' Orange clay (CL), very stiff, plastic, slicken sides present.
10			
15			
20			
			26-28' Brown silt (ML), saturated at 26'.
28			TD =26 feet.

B-75
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/26/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Mix of tan/brown silt, clay and sand (ML, SC).
			1-3' Dark brown clay (CL), stiff.
5			3-8' Tan/brown silty clay (CL), stiff.
			8-23.4' Tan/orange clay (CL), very stiff.
10			
15			
20			
			23.4-24' Brown silt (ML), soft, saturated at 23.4'.
			TD =24 feet.

B-76
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/26/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-9' Brown/tan silty clay (CL), stiff.
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
	■	■	
	■	□	9-19.7 Orange clay (CL), very stiff, plastic.
10	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	■	
15	■	□	
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
20	■	■	19.7-20' Tan sand (SP), very fine grained, soft. Saturated at 19.7'.
	□	□	
	□	□	
	□	□	TD =20 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-77
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-1' Tan sand (SP), medium grained, loose.
	■	□	1-15.7' Gray silty clay (CL), stiff, tan at 6'.
	■	□	
	■	□	
	■	□	
5	■	□	
	■	□	
	■	□	
	■	□	
	■	□	
10	■	□	
	■	□	
	■	□	
	■	□	
	■	□	
15	■	□	15.7-18.5' Orange clay (CL), very stiff.
	■	□	
	■	□	18.5-20' Tan silt (ML), silt, saturated at 19.5'.
	■	□	
	■	□	
20	■	■	
	□	□	
	□	□	TD =20 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-78
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-1' Dark brown silty clay (CL), stiff.
	■	☐	1-11' Tan/gray silty clay (CL), stiff.
	■	☐	
	■	☐	
	■	☐	
5	■	☐	
	■	☐	
	■	☐	
	■	☐	
	■	■	
	■	☐	
10	■	☐	11-12' Brown/orange clay (CL), very stiff.
	■	☐	
	■	■	12-12.5' Tan silt (ML), very wet, soft.
	■	☐	12.5-18' Orange clay (CL), fat, plastic, very stiff.
	■	☐	
	■	☐	
15	■	■	
	■	☐	
	■	☐	
	■	☐	
	■	■	18-18.5' Tan orange sandy silt (ML), soft, saturated.
	■	☐	
	■	☐	
20	■	☐	18.5-21' Orange clay (CL), fat, very stiff, moist.
	☐	☐	
	☐	☐	
	☐	☐	TD =21 feet.
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	

B-79
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/21/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Dark brown silty clay (CL), stiff.
			1-11' Tan/gray silty clay (CL), stiff.
5			
10			11-15' Orange clay (CL), very stiff.
15			15-15.3' Tan silt (ML), soft.
			15.3-17.5' Orange clay (CL), very stiff.
			17.5-18' Tan silt (ML), saturated, soft.
20			
			TD =18 feet.

B-80
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/21/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-10' Gray, dark brown silty clay(CL), stiff.
5	■	■	
10	■	■	10-20.5' Orange/tan clay (CH), very stiff, moist, plastic.
15	■	■	
20	■	■	20.7-21' Tan sandy silt (SM), saturated, soft.
			TD =21 feet.

B-81
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/21/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8.8' Tan sand with minor silt (SM), saturated from 0-8.8', loose, fine grained.
5			
			8.8-11' Tan silty clay (CL), stiff.
10			11-19' Orange clay (CL), very stiff.
15			
			19-20' Brown sandy silt (SM), saturated, soft.
20			20-21' Orange clay (CL), very stiff.
			TD =21 feet.

B-82
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/21/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-6' Dark brown silty clay (CL), stiff.
5			6-10' Tan silty clay (CL), stiff.
10			10-23.9' Orange/tan clay (CH), very stiff, plastic.
15			
20			
			23.9-24' Tan sand very fine grained (SM), saturated, loose.
25			TD =24 feet.

B-83
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/21/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Brown silty clay (CL), stiff.
			3-5' Green silty and silty clay (ML), soft to stiff.
5			5-8' Tan/orange silty clay (CL), stiff.
			8-23.8' Orange clay (CL), very stiff.
10			
15			
20			
			23.8-24' Brown silt, clayey silt (ML), saturated, firm to soft.
25			TD =24 feet.

B-84
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-6' Brown silty clay (CL), stiff.
	■	☐	
	■	☐	
	■	☐	
	■	☐	
	■	☐	
5	■	☐	
	■	■	6-11.8' Tan silty clay (CL), stiff.
	■	☐	
	■	☐	
	■	☐	
	■	■	
	■	☐	
10	■	☐	
	■	☐	11.8-14.1' Orange clay (CL), fat, very stiff, plastic.
	■	■	
	■	☐	
	■	☐	
	■	☐	14.1-18' Tan silty sand (SM), soft to loose, moist to wet, saturated at 17.5'.
15	■	■	
	■	☐	
	■	☐	
	■	☐	
	■	☐	
	■	■	TD =18 feet.
	☐	☐	
	☐	☐	
20	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	

B-85
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-5' Dark brown / black gray silty clay (CL), stiff.
5			5-11.5' Tan silty clay (CL), stiff.
10			11.5-14.7' Orange clay (CL), very stiff, moist, plastic.
			14.7-20' Tan silty sand (SM), very fine grained, soft, wet, saturation at 16'.
15			
20			TD =20 feet.

B-86
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Dark brown clay (CL), stiff.
			1-6.3' Brown silty clay (CL), stiff.
5			
			6.3-13' Tan silty clay (CL), stiff.
10			
			13-18' Tan silty sand (SM), very fine grained, soft, saturated at 16'.
15			
			TD =18 feet.
20			

B-87
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Dark brown silty clay (CL), stiff.
			3-8.5' Tan silty clay (CL), stiff.
5			
			8.5-16.1' Orange, clay (CL), very stiff, plastic.
10			
15			16.1-20' Tan silty sand (SM) to sand, very fine grained, soft, saturated at 17'.
20			TD =20 feet.

B-88
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Dark brown silty clay(CL), stiff.
			0.5-2' Brown clayey silt, soft (ML).
			2-12.7' Brown silty clay, stiff (CL).
5			
10			
			12.7-14' Orange clay, very stiff (CL).
			14-17' Brown silty sand, very fine grained, soft, (SM) saturated at 15.8'.
15			
			TD =17 feet.
20			

B-89
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Dark brown silty clay, (CL) stiff.
			0.5-11' Gray silty clay, (CL) stiff.
5			
10			
			11-12' Gray green sandy silt (SM), soft.
			12-15' Tan/green clay, (CL) blocky, stiff.
15			15-20' Tan/green silt, (ML) soft, wet, saturated at 17'.
20			TD =20 feet.

B-90
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Dark brown silty clay (CL), stiff.
			1-16' Brown silty clay (CL), stiff.
5			
10			
15			16-17' Tan sandy silt (SM), saturated, soft.
			TD =17 feet.
20			

B-91
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-11.8' Tan silty clay (CL), stiff.
5			
10			
			11.8-13' Orange clay (CL), fat, plastic, very stiff.
			13-16' Tan silty sand (SM), very fine grained, saturated
15			TD =16 feet.
20			

B-92
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Mix of rock, sand, clay (SC).
			0.5-13' Tan silty clay (CL), stiff.
5			
10			
			13-15.5' Orange clay (CL), very stiff.
15			15.5-16' Tan, silty sand (SM), very fine grained, saturated, soft.
			TD =16 feet.
20			

B-93
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.2' Tan sand (SP), medium grained, loose.
			0.2-11.7' Tan, silty clay (CL), stiff.
5			
10			
			11.7-13.2' Brown silt (ML), saturated, soft.
			13.2-16' Orange clay (CL), fat, plastic, very stiff, moist.
15			TD =16 feet.
20			

B-94
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

2/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3.7' Dark brown silty clay (CL), stiff.
			3.7-12.0' Brown silty clay (CL), stiff.
5			
10			
			12.0-14.3' Orange clay (CL), very stiff.
			14.3-15' Tan silt (ML), saturated, firm to soft.
15			TD =15 feet.
20			

B-95
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.5' Mix of debris, clay, sand, silt (CL, SM), loose, red, tan, black, green.
			1.5-8.3' Tan clay (CL), very stiff.
5			
			8.3-13' Tan, sand (SM), very fine grained, loose.
10			
			13-14.5' Tan to brown silt (ML).
			14.5-20' Tan sand (SP), fine to medium grained, orange sand from 14.7-14.9'. Saturation at approximately 16'.
15			
20			TD =20 feet.

B-96
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-8" Miscellaneous debris - clay, silt (CL, ML), dark brown.
	■	□	8"-2' Tan to brown clayey silt (ML), soft.
	■	□	2-7' Tan clay (CL), very stiff.
	■	□	
	■	□	
	■	□	
5	■		
	■	□	
	■	□	7-10' Tan/orange silt (ML), stiff.
	■	□	
	■	■	
	■	□	
10	■	□	10-16' Tan silty sand (SM), very fine, loose. Increasing silt content with depth. Saturated at 15.5'.
	■	■	
	■	□	
	■	□	
	■	□	
15	■	□	TD =16 feet.
	■	■	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-97
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-4" Orange/brown clay and sand, coarse grained sand (SP), loose.
	■	□	4"-8' Tan/brown silty clay (CL), stiff.
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
	■	■	8-9.5' Becoming tan/orange clay (CL), very stiff.
	■	□	9.5-14' Tan silt (ML) (minor clay), soft.
10	■	□	
	■	■	
	■	□	
	■	□	
	■	□	14-16' Tan silt (ML), very fine sand (SM) at 14.7', saturated at approximately 14.0', soft.
15	■	■	
	■	□	TD =16 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-98
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1' Dark brown silt, sand and clay (ML), loose.
	■	□	1-3' Tan clayey silt (ML), stiff to soft.
	■	■	3-9' Tan silty clay (CL), stiff.
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
	■	■	9-14' Tan clay, very fat (CH), very stiff.
	■	□	
10	■	□	
	■	□	
	■	□	
	■	□	
	■	□	
	■	□	14-16' Tan silt (ML), saturated, very soft.
	■	■	
15	■	□	
	■	□	TD =16 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-99
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-6" Clay/silt/shells, (CL) tan.
			6"-8' Tan silty clay (CL), stiff, moist.
5			
			8-8.7' Tan sand silt (ML), very wet (perched zone), soft.
			8.7-12' Tan clayey silt (ML), wet, soft. (10.8-11.4') sand (SM), very fine, wet
10			
			12-16' Tan sandy silt (ML), wet, soft, saturated at approximately 14.5'.
15			
			TD =16 feet.
20			

B-100
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8" Shells and silt (ML), tan, loose.
			8"-8' Tan silty clay (CL), stiff.
5			
			8-9.8' Tan sandy silt (ML), loose, soft.
			9.8-11.5' Tan, clay (CL), very stiff.
10			11.5-13' Tan silty (ML), soft.
			13-16' Green sand (SP), medium to fine grained, loose, saturated at 14.5'.
15			TD =16 feet.
20			

B-101
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Brown silt and clay (ML) with shell, stiff.
			1-7' Tan silty clay (CL), stiff.
5			
			7-8.7' Tan silt (ML), soft.
			8.7-10' Tan, clay (CL), stiff, plastic.
10			
			10-11.3' Tan sandy silt (ML), soft.
			11.3-16.0' Tan sand (SP), very fine grained, loose, soft. Saturated at 14.8'.
15			
			TD =16 feet.
20			

B-102
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-3.5' Tan silty clay to clay (CL), stiff.
	■	■	3.5-10.5' Tan clay (CL), very stiff.
5	■	■	
10	■	☐	10.5-11.5' Tan, sandy silt (ML), soft.
	■	■	11.5-13.0' Tan clay (CL), very stiff.
	■	☐	13.0-15.0' Gray clay (CL), very stiff.
15	■	■	15.0-16.0' Gray silty sand (SM), fine grained, saturated at 15', loose, soft.
	■	☐	TD =16 feet.
20	☐	☐	

B-103
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/12/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-4" Mix of debris, clay, silt (CL, ML) - tan, black, green.
	■	□	4"-3' Brown silty clay (CL), stiff.
	■	■	3-4.7' Tan silty clay (CL), stiff.
	■	□	
	■	□	
	■	□	4.7-9.5' Brown - mix of dark brown to brown silty clay (CL), soft.
5	■	■	Becoming more firm at 6' and very plastic.
	■	□	
	■	□	
	■	□	
	■	■	9.5-15.5' Tan, clay (CL), very stiff, plastic.
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
15	■	□	15.5-16' Gray silt (ML), saturated at approximately 15.5'. Soft.
	■	■	TD =16 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-104
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/13/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Brown silty clay (CL). Stiff.
			1-10' Tan silty clay (CL). Stiff.
5			
10			10-12' Tan sandy silt (SM). Loose. Saturated.
15			
			TD =12 feet.

B-105
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best Drilling
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Brown silty clay (CL). Stiff.
			1-10' Tan silty clay (CL). Stiff.
5			
10			10-12' Tan sandy silt (SM). Loose. Saturated.
15			
			TD =12 feet.

B-106
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best Drilling
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Brown silty clay (CL). Stiff.
			1-10' Tan silty clay (CL). Stiff.
5			
10			10-12' Tan sandy silt (SM). Loose. Saturated.
15			
			TD =12 feet.

B-107
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best Drilling
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-6' Brown silty clay (CL), stiff.
5			6-11' Tan silty clay (CL), stiff.
10			11-13' Tan silty sand (SM), very fine, soft.
			13-18' Grade to tan sand (SP), fine grained, loose, saturated at 16.3'.
15			
			TD =18 feet.
20			

B-108
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-10.7' Tan/brown silty clay (CL), stiff.
5			
10			10.7-15' Tan sand (ML), fine grained, loose, saturated at 14'.
15			TD =15 feet.
20			

B-109
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/20/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1' Mix of shells, silt, clay, sand, (SM, SC) tan.
	■	□	1-6.7' Tan silty clay (CL), stiff.
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	6.7-8' Tan silt (ML), firm to soft, slightly sandy at 8'.
	■	□	
	■	□	
	■	□	8-10' Tan sandy silt (ML), soft.
	■	■	
	■	□	
10	■	□	10-13' Tan silty clay (CL), stiff.
	■	□	
	■	■	
	■	□	13-15.5' Tan clay, fat (CH), very stiff.
	■	□	
	■	□	
	■	□	
	■	■	
15	■	□	15.5-16' Tan sand (SP), very fine, well sorted, saturated.
	■	□	TD =16 feet.
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-110
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/14/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-.5' Very dark brown sand and silt (SM), soft.
			0.5-4' Mix of tan and brown clayey silt (ML), yellow sand at 3.7' to 3.9'.
			4-16' Tan/brown clay to sity clay (CL), very plastic, stiff.
5			
10			
15			16-20' Orange clay (CH), fat, very stiff, plastic.
20			20-21' Interbedded clay silt (ML) with sand lenses, saturated.
			21-24' Silty clay (CL), stiff, moist.
			TD =24 feet.
25			

B-111
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/14/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-10.5' Tan silty clay (CL), stiff.
5			
10			10.5-18.5' Orange clay (CL), very stiff, plastic.
15			
			18.5-20' Tan to orange/green (at 19.5-20') sand (SP), saturated, fine grained.
20			TD =20 feet.

B-112
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-6' Brown silty clay (CL), stiff.
5			6-10' Tan silty clay (CL), stiff.
10			10-13.8' Orange clay (CL), fat, plastic, very stiff.
			13.8-18' Brown silty sand (SM), very fine grained, soft, saturated at 17.3'.
15			
			TD =18 feet.
20			

B-113
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/22/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Caliche then silty sand (SM) to sand, fine grained, soft, loose.
			2-6.7' Brown clayey silt (ML), soft.
5			
			6.7-11' Tan silty clay (CL), stiff.
10			11-11.7' Orange clay (CL), very stiff.
			11.7-16' Tan silt (ML), moist to wet, soft, saturated at 14'.
15			TD =16 feet.
20			

B-114
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Tan sand (SP), medium grained, loose.
			1-10.9' Tan silty clay (CL), stiff.
5			
10			10.9-14.0' Orange clay (CL), fat, very stiff, plastic, becoming gray at 13'.
			14.0-16' Gray silty sand (SM) to sand, very fine grained, soft, saturation at approximately 14'.
15			
20			TD =16 feet.

B-115
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/26/2002
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1' Tan sand (SP), medium grained, loose.
			1-10.9' Tan silty clay (CL), stiff.
5			
10			10.9-14.8' Orange clay (CL), fat, very stiff, plastic, becoming gray at 13'.
			14.8-19' Gray silty sand (SM) to sand, very fine grained, soft, saturation at approximately 16.5'.
15			
			19-20' Tan/gray sand (SM), fine grained, well sorted, loose.
20			TD =20 feet.

B-116
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.5' White rocks, clay (CL), silt, stiff.
			1.5-6.3' Brown silty clay (CL), stiff.
5			
			6.3-9.0' Tan silty clay (CL), stiff.
			9.0-14' Orange clay (CL), very stiff, plastic.
10			
			14-15' Tan silt (ML), soft, saturated.
15			TD = 15 feet.
20			

B-117
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/23/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-4.2' Brown silty clay (CL), stiff, white caliche (soft).
			4.2-8' Brown and olive green, silty clay (CL), stiff.
5			
			8-18' Brown and olive green clay (CL), very stiff.
10			
15			
			18-20' Green sandy silt (SM), very fine, saturated, soft.
20			TD = 20 feet.

B-118
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Dark brown clay (CL), caliche mixed in.
			3-8' Tan/brown silty clay (CL), stiff, olive green at approximately 4' to 8'.
5			
			8-19' Tan/olive green clay (CL), very stiff.
10			
15			
			19-20' Green silt (ML), very minor sand, extremely fine, saturated at 19.7' to 20', soft.
20			TD = 20 feet.

B-119
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/27/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-4.1' Dark brown silty clay (CL), very stiff.
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	4.1-8' Tan silty clay (CL), stiff.
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	□	8-19' Orange clay (CL), very stiff.
	■	■	
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
15	■	■	
	■	□	
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	19-24' Green silt (ML), soft. Saturated at 20.3'.
20	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	
	■	□	
25	□	□	TD = 24 feet.

B-120
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.3' Brown clay (CL), hard.
			0.3-8' Tan silty clay (CL), stiff.
5			
			8-19.8' Tan-orange clay (CL), very stiff.
10			
15			
			19.8-20' Gray sandy silt (SM), very fine grained, soft, saturated.
20			TD = 20 feet.

B-121
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3.7' Brown clay (CL) with shells, hard.
			3.7-8.1' Tanish/brown silty clay (CL), stiff.
5			
			8.1-19.5' Brown clay (CL), very stiff, becoming orange and green clay at 11'.
10			
15			
			19.5-23' Green silty clay (CL), stiff.
20			
			23-24' Green sandy silt (SM), soft, saturated at approproximately 23'.
			TD = 24 feet.

B-122
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/30/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3.7' Brown clay (CL) with shells, hard.
			3.7-8.1' Tanish/brown silty clay (CL), stiff.
5			
			8.1-19.7' Brown clay (CL), very stiff, becoming orange and green at 11'.
10			
15			
			19.7-20' Green silty clay (CL), stiff, saturation.
20			TD = 20 feet.

B-123
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/30/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-4' Brown silty clay (CL), stiff.
			4-23.5' Orange clay (CL) with gray/green (4-8') spots, very stiff.
5			
10			
15			
20			
			23.5-24' Tan silty sand (SM), saturated, soft.
25			TD = 24 feet.

B-124
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-4' Brown silty clay (CL), stiff.
			4-23.5' Orange clay (CL) with gray/green (4-8') spots, very stiff.
5			
10			
15			
20			
			23.5-24' Tan silty sand (SM), saturated, soft.
25			TD = 24 feet.

B-125
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-4' Brown silty clay (CL), stiff.
	■	☐	
	■	☐	
	■	☐	4-23.5' Orange clay (CL) with gray/green (4-8') spots, very stiff.
5	■	☐	
	■	☐	
	■	☐	
	■	☐	
10	■	☐	
	■	☐	
	■	☐	
	■	☐	
15	■	☐	
	■	☐	
	■	☐	
	■	☐	
20	■	☐	
	■	☐	
	■	☐	23.5-24' Tan silty sand (SM), saturated, soft.
	■	☐	
	■	☐	
25	☐	☐	TD = 24 feet.

B-126
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.5' Brown silty clay (CL), stiff.
			1.5-4' Tan silty clay (CL), stiff.
			4-17.2' Orange clay (CL), stiff.
5			
10			
15			
			17.2-20' Gray/green silt (ML), saturated, firm to soft.
			TD = 20 feet.
20			

B-127
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-7' Brown silty clay (CL), hard.
5			
			7-14.2' Orange-tan-green clay (CL), minor silt, very stiff.
10			
			14.2-15.7' Green silt (ML) (minor sand), soft to firm.
15			15.7-22' Orange-green clay (CH), fat, very stiff.
20			
			22-24' Green silt (ML), firm, saturated at 23.7'-24'.
			TD = 24 feet.
25			

B-128
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/28/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-4' Brown silty clay (CL), stiff.
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	4-8' Grade to a tan silty clay (CL), stiff.
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	8-14' Tan clay (CL), stiff.
	■	■	
	■	□	
10	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
	■	□	
	■	□	14-15.5' Tan silty sand (SM), very fine grained, saturated, soft.
	■	■	
15	■	□	TD = 16 feet.
	■	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-129
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1.5' Dark brown silty clay (CL), stiff.
	■	□	1.5-9' Brown to tan silty clay (CL), stiff.
	■	□	
	■	□	
	■	□	
	■	□	
5	■	■	
	■	□	
	■	□	
	■	□	
	■	■	
	■	□	9-11' Orange clay (CL), very stiff, plastic.
10	■	□	11-15' Brown, silt (ML) with minor sand, very fine grained, soft, saturation at 13.7'.
	■	□	
	■	□	
	■	■	
15	■	□	15-16' Brown medium grained sand (SP), well sorted, loose.
	□	□	TD = 16 feet.
20	□	□	

B-130
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1.0' Shells, sand, clay, (SC) brown, loose.
	■		1.4-4' Saturated sand (SP), coarse grained, shells, soft. Saturated at 2'.
	■	■	
	■		
	■		TD = 4 feet.
5			
10			
15			
20			

B-131
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-3.7' Brown clay (CL) with minor silt, very stiff.
	■	□	3.7-8' Tan silty clay (CL), stiff.
5	■	□	
	■	□	8-15.6' Tan silt (ML) with minor fine to very fine sand, soft.
10	■	□	
	■	□	
15	■	□	15.6-16' Tan medium to fine grained sand (SP), loose, saturated at 15.6'.
	□	□	TD = 16 feet.
20	□	□	

B-132
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-1.0' Shells, sand, clay (SC), brown, loose.
	■	□	1.4-4' Saturated sand (SP), coarse grained, shells, soft. Saturated at 2'.
	■	■	
	■	□	
			TD = 4 feet.
5			
10			
15			
20			

B-133
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8' Mixture of sand, silt, clay (SM/SC), rocks, loose.
5			
			8-11' Brown/tan silty clay (CL), stiff.
10			11-12' Brown silt (ML), saturated at 11', soft.
			TD = 12 feet.
15			
20			

B-134
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Brown sandy silt (ML), firm, shells.
			3-10' Brown, silty clay (CL) with shells, stiff.
5			
10			10-13' Tan sandy silt (ML), soft.
			13-16' Tan sand (SP), medium grained, well sorted, saturated at 13', soft.
15			TD = 16 feet.
20			

B-135
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1.0' Shells, sand, clay, (SC) brown, loose.
	■		1.4-4' Saturated sand (SP), coarse grained, shells, soft. Saturated at 2'.
	■	■	
	■		
	■		TD = 4 feet.
5			
10			
15			
20			

B-136
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-3' Brown sand, silt, clay, (SM, SC) rocks, loose, dry.
			3-8' Brown silty clay (CL), pebbles within, moist, stiff.
5			
			8-11' Black silty clay (CL), moist, stiff.
10			11-12' Brown silt (ML), saturated at 11', soft.
			TD = 12 feet.
15			
20			

B-137
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1.0' Shells, sand, clay, (SC) brown, loose.
	■	□	1.4-4' Saturated sand (SP), coarse grained, shells, soft. Saturated at 2'.
	■	■	
	■	□	
	□	□	TD = 4 feet.
5			
10			
15			
20			

B-138
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-12' Brown silty clay (CL) to clay, stiff.
5			
10			
			12-22' Orange clay (CH), fat, very stiff.
15			
20			
			22-23.5' Brown clayey silt (CL), stiff.
			23.5-24' Brown silt (ML), saturated, soft.
			TD = 24 feet.
25			

B-139
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-2' Brown clay and sand and silt (CL, SM), with shells, dry, hard.
	■		2-6' Gray, black, brown sand and silt (SM), saturated at 2.7', soft.
5	■	■	
	■		TD = 6 feet.
10			
15			
20			

B-140
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-0.5' Brown clay (CL), shells, hard.
	■	□	.5-5' Tan clay (CL), firm.
	■	■	
	■	□	
	■	□	
	■	□	
5	■	■	5-12' Gray/green sand and silt (SM), saturated at approximately 6', soft.
	■	□	
	■	□	
	■	□	
	■	■	
	■	□	
	■	□	
10	■	□	
	■	□	
	■	□	TD = 12 feet.
	□	□	
	□	□	
	□	□	
	□	□	
15	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-141
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/16/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.7' Dark brown clay (CL), stiff.
	■		0.7-6' Tan silty clay (CL), stiff.
	■	■	
	■		
	■		
	■		
	■		
5	■		
	■		6-6.1' Orange cemented sand and shells, (SM) hard.
	■	■	6.1-8' Gray/green sand (SM), fine grained, soft, saturated.
	■		TD = 8 feet.
10			
15			
20			

B-142
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8' Brown green sandy silt (SM), saturated at 1.5', soft.
5			
			TD = 8 feet.
10			
15			
20			

B-143
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

6/29/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.1' Topsoil, rocks.
	■	□	0.1-1.7' Tan silty clay (CL), stiff.
	■	■	1.7-3.9' Brown silty clay (CL) with small 1-2mm rocks, stiff.
	■	□	3.9-5.2' Oyster bed and silt (ML).
5	■	■	5.2-8' Black clayey sandy silt (ML), saturated at 5.2', soft.
	■	□	TD = 8 feet.
10			
15			
20			

B-144
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.1' Topsoil, rocks.
	■	□	0.1-1.7' Tan silty clay (CL), stiff.
	■	■	1.7-3.9' Brown silty clay (CL) with small 1-2mm rocks, stiff.
	■	□	
	■	□	3.9-5.2' Oyster bed and silt (ML).
	■	□	
5	■	■	
	■	□	5.2-8' Black clayey sandy silt (ML), saturated at 5.2', soft.
	■	□	
	■	□	
	■	□	TD = 8 feet.
	□	□	
	□	□	
10	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
15	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-145
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-0.1' Topsoil, rocks.
	■	□	0.1-1.7' Tan silty clay (CL), stiff.
	■	■	1.7-3.9' Brown silty clay (CL) with small 1-2mm rocks, stiff.
	■	□	
	■	□	3.9-5.2' Oyster bed and silt (ML).
5	■	□	
	■	■	5.2-8' Black clayey sandy silt (ML), saturated at 5.2', soft.
	■	□	
	■	□	
	■	□	TD = 8 feet.
	□	□	
	□	□	
10	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
15	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-146
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-1' Caliche, brown clay (CL), hard.
	■	■	1-3.7' Tan silty clay (CL), stiff, rocks, shells.
	■	■	3.7-4' Black coarse grained sand (SM) with white gypsum, saturated, loose.
			TD = 4 feet.
5			
10			
15			
20			

B-147
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-3' Brown silty clay (CL), stiff.
	■	☐	
	■	☐	3-5' Black, brown silty clay (CL), some rock/gravel, hard.
	■	☐	
	■	☐	
5	■	■	5-8' Black clayey silt (ML), saturated, soft.
	■	☐	
	■	☐	TD = 8 feet.
	■	☐	
	☐	☐	
	☐	☐	
10	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
15	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
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	☐	☐	
20	☐	☐	
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	☐	☐	
	☐	☐	

B-148
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-3' Brown silty clay (CL), stiff.
	■	□	
	■	■	3-5' Black, brown silty clay (CL), some rock/sand, hard.
	■	□	
	■	□	
	■	□	
5	■	■	5-8' Black clayey silt (ML), saturated, soft.
	■	□	
	■	□	TD = 8 feet.
	■	□	
	□	□	
	□	□	
10	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
15	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
20	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	
	□	□	

B-149
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.8' Brown sandy clay (CL), dry, stiff.
				0.8–2.5'Tan clay (CL), stiff, moist, caliche present.
				2.5–3' Brown silt (ML) to clayey silt (ML), soft, saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

PAGE 1 OF 1

B–150
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–3' Dark Brown clayey silt (ML), with minor sand content, saturated at 1.5'.
				Total depth = 3 feet.
5				
10				
15				
20				

B-151
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–3' Brown/Tan mix of silt, sand, clay (ML/CL). Saturated at 0.5 feet
				Total depth = 3 feet.
5				
10				
15				
20				

B–152
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-0.2' White caliche.
	■	☐	0.2-5' Mix of clay, rocks, shells, (CL) stiff.
	■	■	
	■	☐	
	■	☐	
	■	☐	
	■	☐	
5	■	☐	5-8' Brown, green, black, silty sand and silt, (SM, ML) soft, saturation at 5.5'
	■	■	
	■	☐	TD = 8 feet.
	■	☐	
	■	☐	
	☐	☐	
	☐	☐	
10	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
15	☐	☐	
	☐	☐	
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	☐	☐	
	☐	☐	
	☐	☐	
20	☐	☐	
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	☐	☐	
	☐	☐	
	☐	☐	

B-153
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-0.1' Caliche.
	■	☐	0.1-1.0' Brown clay (CL) with rocks and shells, very hard.
	■	■	1.0-8' Dark brown sandy silt, soft, (SM) saturation at approximately 4.7', becoming black at 7'.
	■	☐	
	■	☐	
	■	☐	
5	■	■	
	■	☐	
	■	☐	TD = 8 feet.
	■	☐	
	☐	☐	
	☐	☐	
10	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
15	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
20	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	

B-154
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.3' Brown clay (CL), rocks, shells.
			1.3-3' Tan/brown sandy silt (SM), moist, soft.
			3-8' Brown silty sand (SM), saturated, soft.
5			
			TD = 8 feet.
10			
15			
20			

B-155
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	☐	0-0.1' White shells, sand (SM), loose.
	■	☐	0.1-1.0' Tan silty clay (CL) with rocks and shells, stiff.
	■	■	1.0-4' Gray sand (SP), wet, loose, fine grained, saturated at 2.3'.
	■	☐	TD = 4 feet.
5			
10			
15			
20			

B-156
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	□	0-0.1' White shells, sand (SM), loose.
	■	□	0.1-1.0' Tan silty clay (CL) with rocks and shells, stiff.
	■	□	1.0-4' Gray sand (SP), wet, loose, fine grained, saturated at 2.3'.
	■	□	TD = 4 feet.
5			
10			
15			
20			

B-157
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
	■	■	0-0.1' White shells, sand (SM), loose.
	■	□	0.1-1.0' Tan silty clay (CL) with rocks and shells, stiff.
	■	■	1.0-4' Gray sand (SP), wet, loose, fine grained, saturated at 2.3'.
	■	□	TD = 4 feet.
5			
10			
15			
20			

B-158
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/10/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Brown mix of silty clay (CL), shells.
			2-3.9' Brown sandy silt (SM), soft, saturated.
			3.9-4.0' Gray sand (SP), fine grained, soft.
			TD = 4 feet.
5			
10			
15			
20			

B-159
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Brown mix of silty clay (CL), shells.
			2-3.9' Brown sandy silt (SM), soft, saturated.
			3.9-4.0' Gray sand (SP), fine grained, soft.
			TD = 4 feet.
5			
10			
15			
20			

B-160
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS

SB - SPLIT BARREL (5')

SS - SPLIT SPOON (2')

▽ HC LEVEL

▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Brown mix of silty clay (CL), shells.
			2-3.9' Brown sandy silt (SM), soft, saturated.
			3.9-4.0' Gray sand (SP), fine grained, soft.
			TD = 4 feet.
5			
10			
15			
20			

B-161
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1.2' Tan/Brown sandy clay (CL), very moist, fine grained sand.
				1.2–2' Tan silty clay (CL), clayey silt (ML), saturated.
				2–3' Black/Gray sandy silt (ML), saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–162
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1.2' Tan/Brown sandy clay (CL), very moist, fine grained sand.
				1.2–2' Tan silty clay (CL), clayey silt (ML), saturated.
				2–3' Black/Gray sandy silt (ML), saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–163
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1.2' Tan/Brown sandy clay (CL), very moist, fine grained sand.
				1.2–2' Tan silty clay (CL), clayey silt (ML), saturated.
				2–3' Black/Gray sandy silt (ML), saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–164
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT 1

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.8' Brown silty clay (CL) with shells.
				0.8–2.3'Tan clay (CH), stiff, plastic, very moist.
				2.3–3' Tan sandy silt (ML), minor clay, saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–165
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
				0–0.8' Dark Brown sandy silt (Ml), very fine grained, wet.
				0.8–2' Brown Clayey silt (ML).
				2–3' Brown silt (ML), minor clay, rock, sand (mix), saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–166
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
				0–2' Brown sandy silt (ML), soft, moist.
				2–3' Brown sandy silt (ML), saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–167
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.5' Broken shells, sand (SM).
				0.5–3.1'Tan clay (CL), stiff, moist.
				3.1–3.5'Tan/brown clayey silt (ML), with minor sand, saturated.
				Total depth = 3.5 feet.
5				
10				
15				
20				

B-168
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1.5' Brown/black sandy silt (ML), with shells, saturated at 1.5 feet, soft.
				1.5–3' Black mix of sand, silt, clay (SM) saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–169
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–3' Brown sandy silt (ML), saturated at 2.7 feet.
				Total depth = 3 feet.
5				
10				
15				
20				

B-170
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.5' Shells, silt, sand. (SM)
				0.5–3.8'Tan, clay (CL), stiff, moist.
				3.8–4.2'Silt (ML), minor clay, shells, saturated.
5				Total depth = 4.2 feet.
10				
15				
20				

B–171
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE ANALYZED	TYPE	SAMPLE DESCRIPTION
		CT	0–1.8' Dark brown, sand silt (ML), shell fragments, very moist.
			1.8–2.5' Dark brown, clayey silt (ML), with sand, massive shells, saturated.
			Total depth = 2.5 feet.
5			
10			
15			
20			

B–172
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.3' Brown clay, silt and sand (SM) mix.
				0.3–2.8'Tan/brown silty clay (CH), plastic, moist, stiff.
				2.8–3' Brown clayey silt (ML), minor sand, saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

B–173
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

HC LEVEL
WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.8' Dark brown clay, silty clay, moist, roots, shell fragments.
			1.8-4' Brown/tan silty clay, dry, hard, roots, numerous shell fragments, minor fine grained sand beginning at ~3.5 feet.
5			4-5.5' Tan sandy silt, grading to sand.
			5.5-10 Tan sand, well sorted, very fine grained, moist to wet at 8 feet.
10			TD at 10 feet.
15			

B-174 (near RS-5)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Dark brown silty clay, moist, roots.
			2-4.7' Tan/brown silty clay, dry, hard, roots, numerous shell fragments, minor sand very fine grained.
5			4-7.5.5' Grading to a sandy silty clay, breaks in horizontal planes, dry, stiff.
			5.5-12 Breaks to tan sand, well graded, very fine grained sand. Saturated at 10 feet.
10			
			TD at 12 feet.
15			

B-175 (near RS-6)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.5' Dark brown silty clay, moist, roots, shell fragments, stiff.
			1.5-4.1' Tan/brown silty clay, dry, very hard, minor shells, caliche present, minor roots/traces.
5			4.1-4.5' Grading tan silty clay to silty sand, dry, very fine grained sand, medium stiff.
			4.5-10 Tan sand, well graded, very fine grained sand, saturated at 7.8 feet.
10			TD at 10 feet.
15			

B-176 (near RS-9)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8" Dark brown clay, moist, roots.
			8"-4' Brown clay/silty clay, moist, stiff, minor caliche, minor shells, sand content increase at 3 - 4 feet.
5			4-12' Tan sand, well graded, very fine grained sand, wet at 6.7 feet. Gray sand, heavy odor at 7.9 feet, saturation at 7.9 feet.
10			TD at 12 feet.
15			

B-177 (near RS-10)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-8" Dark brown clay, moist, roots.
			8"-4.2' Brown clay to silty clay, dry, very hard, minor caliche, roots, trace roots, minor shells, strong odor - no discoloration.
5			4.2-5' Gray sand silt (50/50), moist, very strong odor, caliche present.
			5-7' Gray sand, well graded, strong odor.
			7-7.4' Gray clay, very stiff, fat, moist; odor.
10			7.4-10' Gray well graded sand, wet, strong odor, saturation at 8 feet.
			TD at 10 feet.
15			

B-178 (near RS-11)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.4' Dark brown clay, moist, roots.
			1.4-5' Tan clay to silty clay, dry, hard, caliche present, numerous roots, iron oxide staining.
5			5-7' Gray silty sand to sandy silt, moist, strong odor.
			7-10' Tan sand, well sorted, very fine grained sand, moist, slight odor, saturation at 9 feet.
10			TD at 10 feet.
15			

B-179 (near RS-12)
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

1/15/01
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.8' Tan, sandy silt (ML), moist, stiff, very fine grained.
				0.8–4' Brown, silty clay (CL), stiff, moist.
				Total depth = 4 feet.
5				
10				
15				
20				

B–180
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.7' Tan, sand (SP), very fine grained, moist.
				0.7–2' Black, silty clay (CL), stiff, moist.
				Total depth = 2 feet.
5				
10				
15				
20				

B-181
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

GEOPROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–3' Tan, clayey silt (ML), stiff, moist.
				Total depth = 3 feet.
5				
10				
15				
20				

B–182
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0-0.5' Tan silty sand (SM) dry.
				0.5-3' Tan, silty clay (CL), stiff, moist.
				Total depth = 3 feet.
5				
10				
15				
20				

B-183
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

GEOPROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT - CUTTINGS
SB - SPLIT BARREL(5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–0.6' Brown silty sand (SM).
				0.6–3' Brown/Tan, clay (CL), stiff, moist.
				Total depth = 3 feet.
5				
10				
15				
20				

B–184
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.6' Brown silty sand (SM).
				0.6–3' Brown/Tan, clay (CL), stiff, moist.
				Total depth = 3 feet.
5				
10				
15				
20				

B–185
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.5' Gravel fill material
5				0.5–11.7'Brown, silty clay (CH), stiff, moist, plastic.
10				11.7–14' Tan/Brown silt (ML), soft, saturated at 11.7 feet.
				Total depth = 14 feet.
15				
20				

B–186
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.5' Gravel fill material
5				0.5–11.7'Brown, silty clay (CH), stiff, moist, plastic.
10				11.7–14' Tan/Brown silt (ML), soft, saturated at 11.7 feet.
				Total depth = 14 feet.
15				
20				

B–187
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
5				0–11' Brown silty clay (CL), stiff, moist.
10				11–12' Tan/Brown silt (ML), soft, some very fine sand, saturated.
				Total depth = 12 feet.
15				
20				

B–188
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–2.3' Brown/Black silty clay (CL), stiff, moist.
5				2.3–8.3'Tan silty clay (CL), moist, stiff.
10				8.3–12' Tan silty sand (SP), soft, saturated.
				Total depth = 12 feet.
15				
20				

B–189
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 6, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
5				0–11.3' Tan silty clay (CL), stiff, moist.
10				11.3–12'Tan silty sand (SP), soft, saturated.
				Total depth = 12 feet.
15				
20				

B–190
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 7, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–1' Dark Brown clay (CL), dry, hard.
5				1–8' Tan silty clay (CL), very stiff, minor sand.
10				8–12' Tan/Orange clay (CH), hard.
				Total depth = 12 feet.
15				
20				

B–191
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 7, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–1.1' Dark Brown silty clay (CL), stiff, moist.
5				1.1–10' Light Brown silty clay (CL), stiff, moist.
10				10–12' Tan clayey silt (ML), stiff, wet.
				Total depth = 12 feet.
15				
20				

B–192
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 7, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.4' Shells, silt (ML), moist, stiff.
5				0.4–7.5'Tan silty clay (CL), moist, stiff.
10				7.5–11' Green silty clay (CL), moist, stiff.
				Total depth = 12 feet.
15				
20				

B–193
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 7, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

HC LEVEL
WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
				0–6' Silty clay (CL), stiff.
5				
				6–8' Tan silt (ML), soft.
				8–10' Tan silty sand (ML), saturated.
10				
				10–14' Tan clay (CH), fat, hard.
				Total depth = 14 feet.
15				
20				

B–194
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–1' Asphalt and caliche fill.
				1–2.5' Tan sand (SP), loose, very fine grained, moist.
5				
				2.5–14' Brown silty clay (CL), moist, stiff.
10				
15				Total depth = 14 feet.
20				

B–195
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
5				0–9' Brown silty clay (CL), stiff, moist, roots, very stiff at 4–9 feet.
10				9–16.5' Orange clay (CH), very stiff, moist.
15				16.5–18' Tan silt (ML), soft, saturated.
20				Total depth = 18 feet.

B-196
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–4.1' Brown clay (CL), moist, very stiff.
5				4.1–8.2'Tan, clay (CL), very stiff, moist.
10				8.2–15' Orange clay (CH), fat, very stiff, moist.
15				15–16' Brown silt (ML), wet, soft to stiff.
				Total depth = 16 feet.
20				

B–197
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–4' Brown, silty clay (CL), dry, hard, roots present.
				Total depth = 4 feet.
5				
10				
15				
20				

B–198
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1' Shells, silt/sand mix (SM).
				1–2.5' Tan, sand (SP), medium grained, soft.
				Total depth = 2.5 feet.
5				
10				
15				
20				

B–199
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–1' Shells, silt/sand mix (SM), loose.
				Total depth = 1 foot.
5				
10				
15				
20				

B-200
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	0–0.8' Shells, silt/sand mix (SM) loose.
				0.8–2.5' Tan sand (SP), medium–fine grained, loose, saturated.
				Total depth = 2.5 feet.
5				
10				
15				
20				

B–201
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–2.5' Tan sand (SP), fine grained, saturated.
				Total depth = 2.5 feet.
5				
10				
15				
20				

B-202
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL (5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
5				0–9.5' Brown silt (ML), sand, glass, rock (fill), dry, moist.
10				9.5–12' Dark Brown clay (CL), hard, moist.
				Total depth = 12 feet.
15				
20				

B–203
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▽ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			SS	
				0–7.5' Fill debris, silt (ML), sand (SM), glass, asphalt, rock.
5				
				7.5–11' Black/Brown clay (CL), hard.
10				
				11–12' Tan clayey silt (ML), slightly stiff, moist.
				12–14' Tan sand (SP) fine grained, soft, saturated.
15				Total depth = 14 feet.
20				

B–204
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

PUSH PROBE
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	
				0–6' Brown silty clay (CH), stiff, plastic, moist, saturated at 5 feet.
5				
				Total depth = 6 feet.
10				
15				
20				

B-205
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 8, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE ANALYZED	SAMPLE DESCRIPTION
		0-4.1' Brown sandy silty clay (CL), hard, dry - shells present. Roots to approximately 2' deep.
5		4.1-6' Tan silty sand (SM),fine to very fine grained. Very small shell and rock fragments, rounded. Several green nodules, soft, 2mm in size, very scattered.
		6-8' Dark brown sandy silt (SM), saturated at 6'. Light gray caliche at 7'. TD = 8 feet.
10		
15		
20		

LITHOLOGIC 1A
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/00
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-1.2' Brown silty clay (CL), hard, dry, small rocks and shells, roots, grass.
			1.2-4' Brown silty clay (CL) with green blue material mixed in, large rock at 3.6'.
5			4-8' Saturated brown sandy silt (SM) with green blue material, organic material, red rubber pieces at 7', paper material at 7.8'-8.0'.
			TD = 8 feet.
10			
15			

LITHOLOGIC 1B
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY&MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.7' Caliche, brown clay, hard, dry, roots present, white 1/8" rocks/caliche in matrix.
			0.7-0.8' Blue green sediment, paper material within, dry hard.
			0.8-1.0' White fill material, soft.
			1.0-1.4' Blue green material (same as 0.7-0.8').
			1.4-1.6' White fibrous fill material.
5			
			1.6-5' Mix of clay (brown) and blue green material, dark orange, woodchips and paper material scattered throughout matrix, moist.
			5-8' Saturated brown clayey silt (ML), abundant roots and grass.
10			
15			TD = 8 feet.
20			

LITHOLOGIC 1C
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2.5' Brown silty clay with rocks and shells, dry, hard.
			2.5-3.7' Tan clay, very hard, roots present, shells and rocks present.
			3.7-5' Gray to dark gray sandy silt (SM) to silt (ML) with roots, wooden stems, saturated at 4.8'.
5			5-6' Grayish sand (SP), very fine grained, soft, saturated.
			TD = 6 feet.
10			
15			
20			

LITHOLOGIC 2A
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-0.5' Sand and caliche (white), dry.
			0.5-5' Dark brown, brown, tan and orange silty clay, stiff. Found few pieces of metal chips, rock/rubble fill (1 piece) root traces.
5			5-8' Brown clayey silt, (ML) saturated.
			TD = 8 feet.
10			
15			
20			

LITHOLOGIC 2B
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

711 N. CARANCAHUA, #1700
CORPUS CHRISTI, TEXAS 78475
Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	SAMPLE DESCRIPTION
			0-2' Mixture of brown/tan silty clay with rock & shells, hard, dry to moist.
			2-4.3' Brown silty clay with 1" rocks and red brick.
			4.3-5' Black, brown, fibrous fill material, green material with paper, wood chips, white fill material, soft, moist.
5			5-8' Tan sandy silt with light green fill material with paper, saturated, soft.
			TD = 8 feet.
10			
20			

LITHOLOGIC 2C
BORING

Encycle, Tx
CLIENT

CC000642.0002
PROJECT

Corpus Christi, Texas
LOCATION

7/11/2000
DATE

Push-probe
DRILLING

Bryan Haney, ARCADIS
LOGGED BY

Best
CONTRACT

COMMENTS:

CT - CUTTINGS
SB - SPLIT BARREL (5')
SS - SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

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Tel: (361) 883-1353

ARCADIS GERAGHTY & MILLER

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–3' Tan blocky clay (CL), very stiff, moist, debris at 3 feet (Green, rock, miscellaneous debris).
				Total depth = 3 feet.
5				
10				
15				
20				

3A–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–2.8' Tan clay (CL).
				2.8–3' Debris – green material, saturated.
				Total depth = 3 feet.
5				
10				
15				
20				

3B–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–2.5' Mix clay, silt, sand, shells, no debris observed, saturated at 2.5'
				Total depth = 2.5 feet.
5				
10				
15				
20				

3C–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	
				0–3' Tan/Brown sandy silt (ML), soft, moist, saturated at 3 feet.
				3–3.2' Mixed debris and silt (ML).
5				Total depth = 3.2 feet
10				
15				
20				

4A–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–3' Tan mix of clay and sand (CL), no debris, saturated at 2.7 feet.
				Total depth = 3 feet.
5				
10				
15				
20				

4B–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS

BORING LOG

DEPTH	SAMPLE	ANALYZED	TYPE	SAMPLE DESCRIPTION
			CT	0–2.5' Dark Brown clayey silt (ML), no debris, saturated at 2.5 feet.
				Total depth = 2.5 feet.
5				
10				
15				
20				

4C–LITHOLOGY
BORING

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 5, 2001
DATE

HAND AUGER
DRILLING METHOD

BRYAN HANEY, ARCADIS
LOGGED BY

BEST DRILLING
CONTRACT DRILLER

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

ARCADIS