
Appendix D

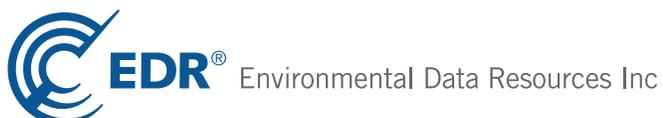
2011 EDR Database Report Executive Summary, Radius Search Map and Executive Summaries of Prior Environmental Site Assessments

H500-01-00-E002

Darien St/Miley St
Houston, TX 77028

Inquiry Number: 3002091.2s
February 28, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	148
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	A-105

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

DARIEN ST/MILEY ST
HOUSTON, TX 77028

COORDINATES

Latitude (North): 29.813000 - 29° 48' 46.8"
Longitude (West): 95.299400 - 95° 17' 57.8"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 277778.8
UTM Y (Meters): 3300103.0
Elevation: 46 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 29095-G3 SETTEGAST, TX
Most Recent Revision: 1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

SHWS..... State Superfund Registry

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Permitted Solid Waste Facilities
WasteMgt..... Commercial Hazardous & Solid Waste Management Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Petroleum Storage Tank Database
AST..... Petroleum Storage Tank Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Database

EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS..... Deleted Superfund Registry Sites

PRIORITYCLEANERS..... Dry Cleaner Remediation Program Prioritization List

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

LIENS..... Environmental Liens Listing

HIST LIENS..... Environmental Liens Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Spills Database

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators

DOT OPS..... Incident and Accident Data

DOD..... Department of Defense Sites

FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision

UMTRA..... Uranium Mill Tailings Sites

MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS..... Integrated Compliance Information System

EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
IOP.....	Innocent Owner/Operator Program
NPDES.....	NPDES Facility List
UIC.....	Underground Injection Wells Database Listing
DRYCLEANERS.....	Drycleaner Registration Database Listing
ENF.....	Notice of Violations Listing
Ind. Haz Waste.....	Industrial & Hazardous Waste Database
ED AQUIF.....	Edwards Aquifer Permits
AIRS.....	Current Emission Inventory Data
MSD.....	Municipal Settings Designations Database
TIER 2.....	Tier 2 Chemical Inventory Reports
RWS.....	Radioactive Waste Sites
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
GCC.....	Groundwater Contamination Cases
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

EXECUTIVE SUMMARY

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/28/2010 has revealed that there are 2 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAPID TRUCK REPAIR	6701 NORTH LOOP E	SSW 1/4 - 1/2 (0.374 mi.)	B4	13
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNITED TRANSPORTS INC	6505 HOMESTEAD	NNW 1/4 - 1/2 (0.332 mi.)	1	7

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 05/25/2010 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELTEX CHEMICAL & SUPPLY CO	4050 HOMESTEAD RD	S 1/2 - 1 (0.948 mi.)	7	31

State and tribal landfill and/or solid waste disposal site lists

CLI: Closed Landfill Inventory. Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas.

A review of the CLI list, as provided by EDR, and dated 08/30/1999 has revealed that there is 1 CLI site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
5600 HOMESTEAD	5600 HOMESTEAD	SSW 1/4 - 1/2 (0.366 mi.)	A2	7

State and tribal leaking storage tank lists

LPST: The Leaking Petroleum Storage Tank Incident Reports contain an inventory of reported leaking petroleum storage tank incidents. The data come from the Texas Commission on Environmental Quality's Leaking Petroleum Storage Tank Database.

A review of the LPST list, as provided by EDR, and dated 12/10/2010 has revealed that there are 3

EXECUTIVE SUMMARY

LPST sites within approximately 0.5 miles of the target property.

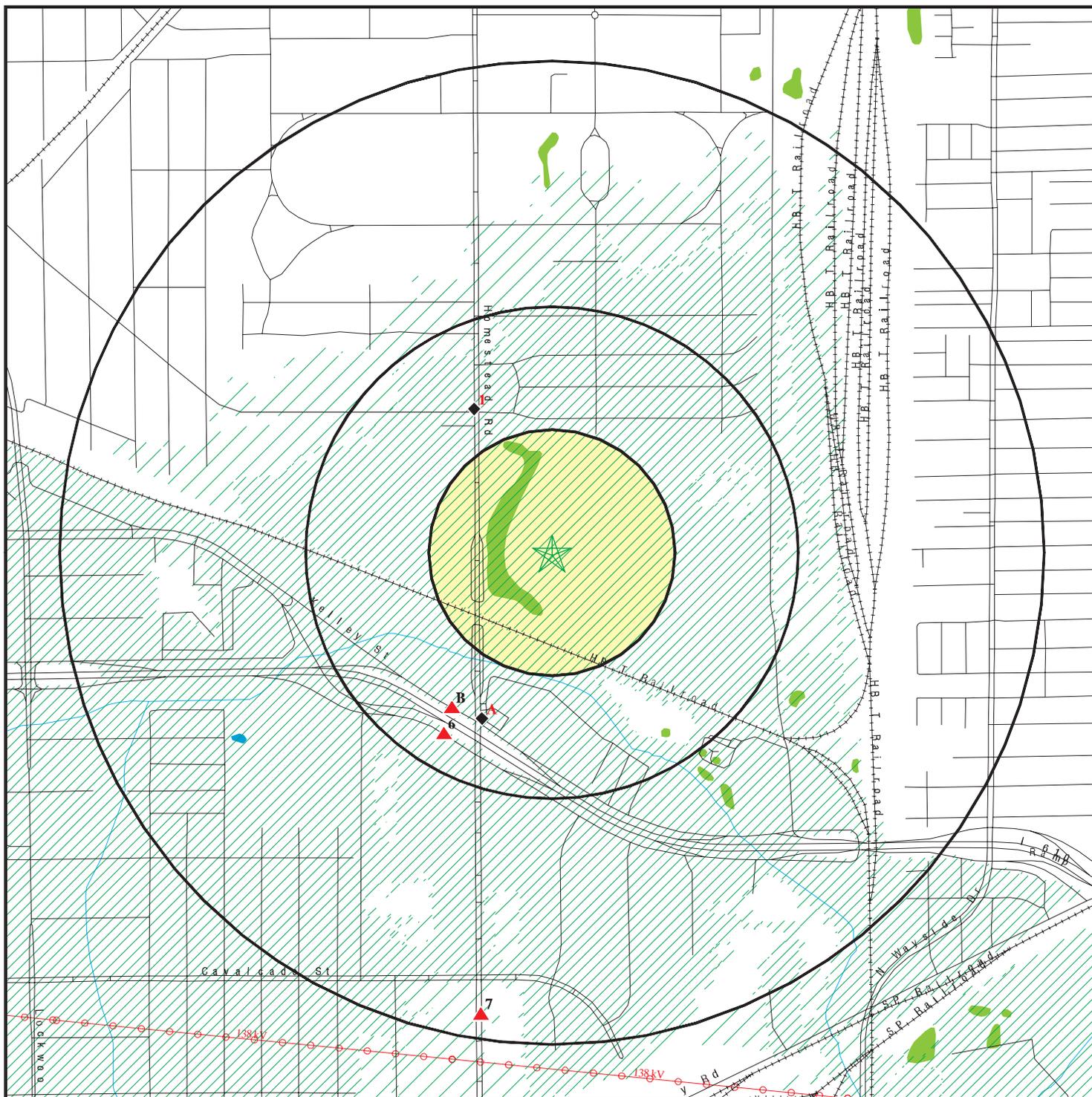
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CSI Status Code: FINAL CONCURRENCE ISSUED, CASE CLOSED	6701 NORTH LOOP E	SSW 1/4 - 1/2 (0.374 mi.)	B3	8
STAR STOP 4 TEXAS PETER BILT Status Code: FINAL CONCURRENCE ISSUED, CASE CLOSED	6929 NORTH LOOP E 6300 E NORTH LOOP	SSW 1/4 - 1/2 (0.377 mi.) SSW 1/4 - 1/2 (0.427 mi.)	A5 6	20 31

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 26 records.

<u>Site Name</u>	<u>Database(s)</u>
CHEVRON PRODUCTS CO	LPST,GCC
EXXONMOBIL	LPST,GCC
CHEVRON EMC	LPST,GCC
AZTEC MANUFACTURING (HOUSTON)	VCP,GCC,AUL
FMR PLUS CLEANERS	PRIORITY CLEANERS
BNSF GREEN'S BAYOU DERAILMENT	CERCLIS
J A HILL LIQUID WASTE TRANSFER STA	LF
SOUTHWESTERN ENVIRONMENTAL SOLID W	LF
COMPLETE COMPLIANCE CORP TRANSFER	LF
ENVIRON TECH SOLID WASTE INCINERAT	LF
NEGEV LANDFILL	LF
ECCOR TRANSFER STATION	LF
DJ HOLCOMB LANDFILL	LF
WPF CORP OF HOUSTON COMPOSTING FAC	LF
WPF OF HOUSTON COMPOSTING FACILITY	LF
BROWNING-FERRIS INDUSTRIES LANDFIL	LF
EVERGREEN DEVELOPMENT LANDFILL	LF
HOUSTON SOUTHWEST TRANSFER STATION	LF
AMERICAN REF-FUEL LIQUID WASTE INC	LF
CITY OF HOUSTON TRANSFER STATION F	LF
CITY OF HOUSTON TRANSFER STATION F	LF
EVERGREEN DEVELOPMENT LANDFILL	LF
HOUSTON NORTHWEST TRANSFER STATION	LF
NGS LANDFILL	LF
DIAMOND SHAMROCK	LPST
TXDOT ROW	LPST

OVERVIEW MAP - 3002091.2s



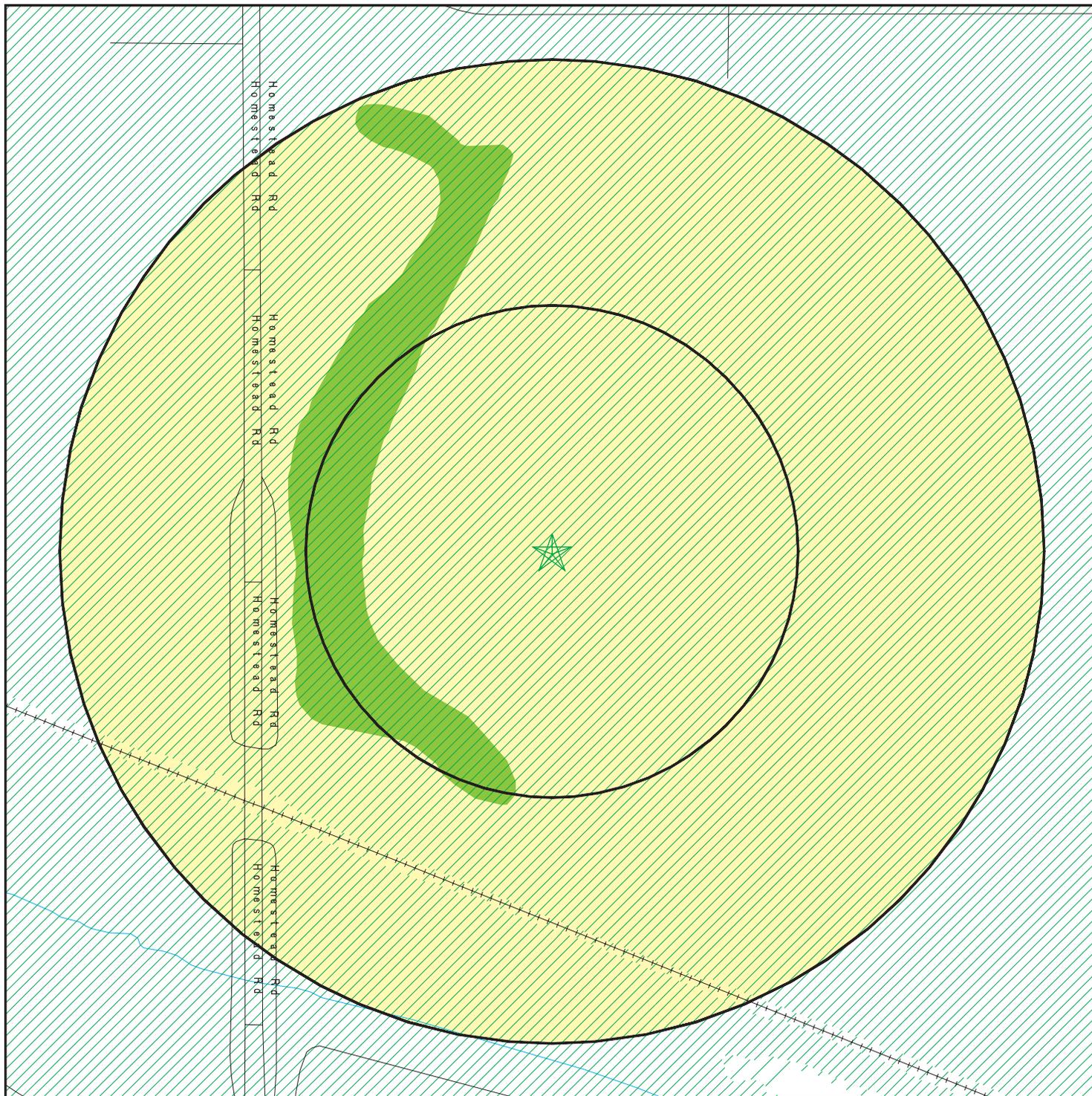
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ☐ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: H500-01-00-E002
 ADDRESS: Darien St/Miley St
 Houston TX 77028
 LAT/LONG: 29.8130 / 95.2994

CLIENT: Crouch Environmental Services
 CONTACT: David Young
 INQUIRY #: 3002091.2s
 DATE: February 28, 2011 5:20 pm

DETAIL MAP - 3002091.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- 0 1/16 1/8 1/4 Miles
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: H500-01-00-E002
 ADDRESS: Darien St/Miley St
 Houston TX 77028
 LAT/LONG: 29.8130 / 95.2994

CLIENT: Crouch Environmental Services
 CONTACT: David Young
 INQUIRY #: 3002091.2s
 DATE: February 28, 2011 5:22 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	2	NR	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
SHWS		1.000	0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
CLI		0.500	0	0	1	NR	NR	1
WasteMgt		TP	NR	NR	NR	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LPST		0.500	0	0	3	NR	NR	3
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL		0.500	0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
PRIORITYCLEANERS		0.500	0	0	0	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
HIST LIENS		TP	NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
IOP	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	TP		NR	NR	NR	NR	NR	0
ED AQUIF	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
MSD		0.500	0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
RWS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
HARRIS COUNTY FLOOD CONTROL DISTRICT
PROJECT ID H500-01-00-R001
PROPOSED DETENTION BASIN
HOMESTEAD ROAD
HOUSTON, TEXAS 77028**



Prepared for

Harris County Flood Control District
9900 Northwest Freeway
Houston, TX 77092

June 7, 2005

Prepared by



Tetra Tech EM, Inc.
2901 Wilcrest Drive, Suite 400
Houston, Texas 77042
(832) 251-5160

TETRA TECH EM, INC.

1.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (Phase I ESA) was conducted by Tetra Tech EM, Inc. (Tetra Tech), for the Harris County Flood Control District (HCFCD), in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society of Testing Materials Designation: E 1527-00, and the "Agreement for Professional Services" between HCFCD and Tetra Tech dated November 30, 1999, for a 75-acre tract of property, referred to as the 'Site', located east of Homestead Road, south of Miley Street, and north of the railroad tracks in Northeast Harris County, Houston, Texas 77028. Appendix H contains a copy of this services agreement.

The findings of the Phase I ESA conducted at the above referenced property are summarized as follows:

- The proposed 75-acre Site is situated in part of a larger approximately 150-acre parcel of property owned by Houston Belt & Terminal Railroad Company (HB&T). It is located east of Homestead Road, south of Miley Street, and north of the railroad tracks in Northeast Harris County, Texas. The Site is heavily vegetated with the exception of a City of Houston Right of Way (ROW) for Darien Street transecting the Site in the north-south direction. Access to the Site is provided by the Darien Street ROW and a Centerpoint Energy ROW along the southern boundary of the Site.
- According to an interview with an HB&T representative, Mr. John Pruetz, an environmental cleanup resulting in a 'Clean Closure' was performed on HB&T property in the northwestern portion of the Site, north of the Bennington Street ROW, south of Miley Street, and west of the Darien Street ROW, as a result of unauthorized dumping of drums on the property. According to interview with Mr. Pruetz and review of the Closure of Paint Drum Site Report prepared by Woodward-Clyde dated September 19, 1994, approximately 194 drums of paint related waste were discovered in six different clusters during a Phase I ESA being performed on the property in December 1993. According to the report, HB&T and Woodward-Clyde characterized and properly disposed of the drums, excavated soils impacted with paint waste and beneath the drums, collected confirmatory soil samples in the excavation areas, and backfilled the excavations and restored the areas to original grade. According to the letter from the Texas Natural Resource Conservation Commission (TNRCC) to Woodward-Clyde dated July 12, 1994, closure of the area was to be conducted in accordance with Texas Risk Reduction Rule Standard No. 1 in which the

area was to be 'Clean Closed' and waste constituents were to be removed to non-detectable levels. Closure of the Paint Drum Site was granted to HB&T in a letter from TNRCC dated November 3, 1994. As a result of the documented clean up activities and the successful removal of soils to non-detect levels with respect to waste constituents, the Paint Drum Site is not considered a REC in connection with the Site.

- A site reconnaissance did not reveal evidence of recognized environmental conditions (RECs) in connection with the Site. It appears that the accessible areas of the property are used for dumping. Material of a hazardous nature was not observed during the site reconnaissance; however several piles of tires, household, personal, and building materials were discovered in accessible areas during the site reconnaissance. Unless material of a hazardous nature is discovered upon clearing the Site of the vegetation and dumped material, the dumped material observed is not considered a REC in connection with the Site.
- The EDR database search radii were extended by 1/2-mile from the center of the Site to account for the size of the Site. Seven underground storage tanks (USTs) were identified within a 1/2-mile of the Site, ten leaking underground storage tanks (LTANKS) were identified within one mile of the Site, one aboveground storage tank (AST) was identified within a 1/4-mile of the site, two CERCLIS properties with no further remedial action planned (CERC-NFRAP) were identified within 1/2-mile of the Site, one property with Corrective Action Reporting (CORRACTS) was identified within 1-mile of the Site, six RCRA small quantity generators (RCRA) were identified within 1/2-mile of the Site, one Closed Landfill Inventory property (CLI) was identified approximately 1/2-mile from the Site, and one Texas Voluntary Cleanup Program property (VCP) was identified within 1-mile of the Site. These properties are not considered RECs in connection with the Site.
- A review of aerial photographs dated 1944, 1953, 1962, 1979, 1986, 1996, and 2002 and historic topographic maps dated 1922, 1946, 1955, 1967, 1982, and 1995 show the Site as undeveloped land prior to the 1953 aerial photograph and 1955 topographic map at which point the Darien Street ROW appears transecting the property north-south. Drainage ditches appear in the ROW in the 1996 aerial photograph. Also, in the 1953 aerial photograph two aboveground storage tanks appear to be present on the Site west of the Darien Street ROW and north of the present day

Centerpoint Energy ROW. Because the tanks most likely contained petroleum products and no information can be provided about them from the current landowner representative, they are considered a historical REC in connection with the Site.

Tetra Tech has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice 1527-00 and the HCFCD "Agreement for Professional Services" dated November 30, 1999, as described in Section 2.0 of this report. Any exceptions to, or deviations from, this practice are described in Section 2.3 of this report. This assessment has revealed evidence of a historic REC in connection with the Site in the form of two aboveground storage tanks existing on the property between at least 1953 and 1962 west of the Darien Street ROW and north of the Centerpoint Energy ROW. Further soil sampling of this area is recommended to confirm if historic impacts to soil exist.

**LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
HARRIS COUNTY FLOOD CONTROL DISTRICT
PROPERTY ACQUISITION – PROPOSED DETENTION BASIN (TRACT 12-001.0)
HCFCD PROJECT ID H500-01-00-R001
HOUSTON, TEXAS**



October 27, 2005

Prepared for:

Harris County Flood Control District
9900 Northwest Freeway
Houston, TX 77092

Prepared by:



Tetra Tech EM, Inc.
2901 Wilcrest Drive, Suite 400
Houston, Texas 77042
(832) 251-5160

TETRA TECH EM, INC.

EXECUTIVE SUMMARY

Harris County Flood Control District (HCFCD) retained Tetra Tech EM Inc. (Tetra Tech) to conduct a Limited Phase II Environmental Site Assessment (ESA) at a 75-acre tract of property located east of Homestead Road, south of Miley Street, and north of the railroad tracks in Northeast Harris County, Texas (referred to as the Site). Tetra Tech recommended that a Limited Phase II ESA be performed at the Site in the Phase I ESA Report submitted for the Site on June 7, 2005. The Phase I ESA revealed evidence of a historic recognized environmental condition (REC) in connection with the Site in the form of two aboveground storage tanks (ASTs) which were present west of the current Darien Street Right Of Way (ROW) and north of the current Centerpoint Energy ROW between at least 1953 and 1962.

Tetra Tech performed the Limited Phase II ESA in the area of the potential historic REC to investigate the potential presence of petroleum hydrocarbons in shallow subsurface soil. Work for this project was conducted pursuant to authorization of the scope of work, assumptions, and terms and conditions set forth in the Tetra Tech proposal dated August 25, 2005 and in accordance with the "Agreement for Professional Services" between HCFCD and Tetra Tech dated November 30, 1999.

Methods

During field activities, Tetra Tech advanced four soil borings to approximately 18 to 24 inches below ground surface (bgs) as designated by HCFCD in the Request for Proposal dated August 8, 2005. One soil sample was collected from each boring for analysis of total petroleum hydrocarbons (TPH) using TCEQ Method 1005 and for benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) using EPA Method 8021B.

Results

Analytical results of the four soil samples collected indicate that TPH, BTEX, and MTBE were below the associated laboratory reporting limits and, as such, below Texas Risk Reduction Program (TRRP) soil Protective Concentration Limits (PCLs). Soil boring SB-02, located in the vicinity of the former tanks could not be advanced deeper than 15-inches below ground surface (bgs). During the first attempt at hand augering at that location, a resistant layer was encountered at 12-inches bgs which impeded further augering depth. Another attempt to hand auger was attempted, approximately 15-feet to the northwest, which resulted in a total depth of 15-inches bgs prior to encountering similar resistant conditions. The sample was collected from

the second location at 12 to 15-inches bgs. As noted in the boring log for SB-02, brick fragments were found in the soil cuttings collected at the locations, which may indicate the presence of a historic foundation in the area.

Conclusion

Based on the potential presence of a historic foundation in the SB-02 area, Tetra Tech believes that it may be necessary to sample soil beneath the resistant layer encountered to investigate the potential presence of petroleum hydrocarbons at that location.

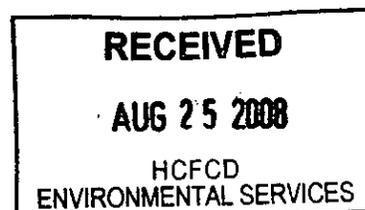
Prepared for:
Harris County Flood Control District
Houston, Texas

Phase II ESA Report – Offline Hunting
Bayou Detention Basin

1/2-Mile North of the Loop 610 and
Homestead Road Intersection, east of
Homestead Road, Houston, Harris
County, Texas

HCFCFCD Project ID # H500-01-00-E001

ENSR Corporation
August 2008
Document No.: 08240-024-003



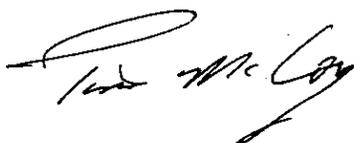
Prepared for:
Harris County Flood Control District
Houston, Texas

Phase II ESA Report – Offline Hunting Bayou Detention Basin

1/2-Mile North of the Loop 610 and
Homestead Road Intersection, east of
Homestead Road, Houston, Harris
County, Texas

HCFCD Project ID # H500-01-00-E001

ES Log 06-417 F



Prepared By: Tim McCoy, P.G., CAPM 01561
Sr. Project Manager



Reviewed By: Russell G. Turner
Due Diligence Section Manager

HCFCD Project ID # H500-01-00-E001

Contents

1.0 Introduction	1
2.0 Soil and Groundwater Assessment	1
2.1 Soil Assessment	1
2.2 Soil Analytical Results	1
2.3 Groundwater Assessment	2
2.4 Groundwater Analytical Results	2
3.0 Conclusions	2

List of Tables

Table 1 – Soil Analytical Results

List of Figures

Figure 1 – Site Location Map

Figure 2 – Site Plan

Appendices

Appendix A Photographic Documentation

Appendix B Soil Boring Logs

Appendix C Laboratory Analytical Results

1.0 Introduction

Harris County Flood Control District (HCFCD) is proposing the creation of a flood control detention basin on property located approximately ½-mile north of the intersection of Loop 610 and Homestead Road in Houston, Texas. The property location is depicted in Figure 1. The purpose of the subsurface investigation was to further assess the presence of petroleum-related constituents identified in a previous assessment on the proposed Harris County Flood Control District (HCFCD), Offline Detention Basin property conducted by Tetra Tech in 2007. Preliminary data obtained during of the Tetra Tech assessment identified a trace concentration of xylene in one shallow soil boring on the southeastern corner of the property. Review of historical data for the site suggested that the site was formerly a waste water treatment facility containing wastewater basins. Based on the existence of a trace constituent of a petroleum based product, ENSR recommended additional soil and groundwater investigation of the area where the assessment was conducted. The assessment activities are discussed in the following sections. Photographic documentation of the assessment activities is presented in Appendix A.

2.0 Soil and Groundwater Assessment

2.1 Soil Assessment

On July 2, 2008, three soil borings (SB-1 through SB-3) were advanced in the area of an apparent former sewage treatment facility. The soil borings were installed at locations which coincided with cleared areas provided by HCFCD. The soil borings were offset from the originally proposed locations due to an inability to access the proposed locations (Figure 2). Each soil boring was advanced to 20 feet below ground surface (bgs). The soil borings were continuously sampled and screened utilizing a photo-ionization detector (PID) in order to detect the presence of volatile organic compounds (VOCs). The sample with the highest PID reading was selected for laboratory analysis. If no PID readings were evidenced, samples were collected (for laboratory analysis) in the capillary fringe or from the bottom of the boring. A soil sample was collected from SB-1 at 10 to 12 feet bgs, and a sample was collected from SB-2 and SB-3 from 8 to 10 feet bgs. Soil samples were placed into laboratory supplied jars, placed on ice, and transported to ALS Laboratories in Houston, Texas following strict chain-of-custody protocol for laboratory analysis. Soil samples were analyzed for total petroleum hydrocarbon (TPH) by TX 1005, VOCs, by EPA Method 8260B, and RCRA 8 Metals by EPA Method 6010B. Soil boring logs are presented in Appendix B.

2.2 Soil Analytical Results

Based on the historical use of the property as a wastewater treatment facility and the lack of other indications of on-site contaminants, the on-site concentrations appear to be within background ranges. Soil analytical results did not indicate detectable concentrations of TPH or VOCs in any of the collected samples. Lead and barium concentrations in soil samples collected from soil boring SB-3/TMW-3 were 34.8 mg/Kg and 719 mg/Kg, respectively. Texas-Specific Background concentrations for lead are 15 mg/Kg and 300 mg/Kg for barium. However, the highest background lead concentration was exhibited in sample SS-1 (0-6 inches) at a concentration of 27.5 mg/Kg. The highest barium concentration was also detected from the same background sample at a concentration of 175 mg/Kg. Background soil sample SS-1 through SS-5 were each collected on property located adjacent to the eastern subject property boundary.

These concentrations suggest that elevated metals in the area may be naturally occurring. In general, the Texas-Specific Background Concentrations are an average of a range of concentrations of metals in native soils across Texas and the United States. Therefore, based on the known historical usage of the property, the elevated concentrations are most likely attributed to naturally-occurring concentrations in the area of the property. Soil analytical results are summarized in Table 1. Copies of laboratory analytical reports are included in Appendix C.

2.3 Groundwater Assessment

On July 2, 2008, ENSR personnel collected groundwater samples from borings SB-1 and SB-2 which were converted to temporary monitor wells and named SB-1/TMW-1 and SB-2/TMW-2, respectively. Soil boring SB-3 was also converted to a temporary monitor well and named SB-3/TMW-3; however, SB-3/TMW-3 did not produce a sufficient quantity of water for purging and sampling (HCFCD was notified on the date of the assessment of the insufficient quantity of groundwater produced in SB-3/TMW-3). Prior to sampling SB-1/TMW-1 and SB-2/TMW-2, each well was developed utilizing a peristaltic pump and tubing in order to remove as much suspended particles (clay and mud) as possible prior to sampling. Groundwater sampling was conducted using low-flow sampling techniques. Groundwater was pumped from each well at a rate of approximately 0.5 liters/minute which minimized drawdown in the well. Prior to purging, the tubing was lowered into each well to a point midway or slightly above the middle of the screened interval. This method withdraws groundwater samples directly from the formation with minimal mixing of casing water or disturbance of the sampling zone. Water quality indicator parameters were then measured and recorded while purging using an YSI 600XL meter utilizing a flow-through cell. Measurements of groundwater pH, specific conductivity, dissolved oxygen, temperature, and oxygen-reduction potential was collected from each well at approximately three-minute intervals until the measurements had stabilized. Samples were then placed on ice in a cooler and shipped to ALS Laboratories in Houston, Texas following strict chain-of-custody protocol. Analysis of TPH was conducted by Texas Method 1005 and volatile organic compounds (VOCs), by EPA Method 8260B.

2.4 Groundwater Analytical Results

Groundwater analytical results of samples collected from temporary monitor wells SB-1/TMW-1 and SB-2/TMW-2 did not indicate detectable concentrations of TPH or VOCs. Temporary monitor well SB-3/TMW-3 was not sampled due to lack of substantial groundwater. Copies of the laboratory reports are included in Appendix C.

3.0 Conclusions

A subsurface investigation conducted on July 2, 2008, did not reveal chemicals of concern (COCs) at concentrations above the Texas Commission on Environmental Quality (TCEQ) protective concentration levels (PCLs) for VOCs or TPH in soil or groundwater samples. Soil analytical results did not indicate detectable concentrations of TPH or VOCs in any of the collected samples. Soil analytical results of samples collected on site for barium ranged from a low concentration of 58.3 mg/Kg in SB-2/TMW-2, to a high concentration of 719 mg/Kg in SB-3/TMW-3. Lead concentrations ranged from a low of 5.11 mg/Kg in SB-1/TMW-1 to a high of 34.8 mg/Kg in SB-3/TMW-3. The Texas-Specific Background Concentrations for lead and barium are 15 mg/Kg and 300 mg/Kg, respectively.

The highest background lead concentration from a sample (SS-1, 0-6 inches) collected on property adjacent to the east side of the subject property was 27.5 mg/Kg. The highest barium concentration was also detected from the same background sample at a concentration of 175 mg/Kg. In general, the Texas-Specific Background Concentrations are an average of concentrations which include both higher and lower levels of metals in native soils across Texas. Therefore, based on the known historical usage of the property as a wastewater treatment facility, the elevated concentrations are most likely attributed to naturally occurring concentrations in the area of the property and not due to contaminants originating from the former facility. Based on these findings, ENSR concludes that no further subsurface investigation appears to be warranted at this time.