Phase I Environmental Site Assessment
Chaparral Apartments
4201 North Garfield
Midland, Midland County, Texas
February 13, 2019
Terracon Project No. AR197055

Prepared for:
Midland Chaparral Associates LLC
Marlton, New Jersey
and
Texas Department of Housing & Community Affairs

Prepared by:
Terracon Consultants, Inc.
Lubbock, Texas
February 13, 2019

Midland Chaparral Associates LLC  
3 East Stow Road  
Marlton, New Jersey 08053

Texas Department of Housing & Community Affairs  
P.O. Box 13941  
Austin, Texas 78711-3941

Attn: Mr. Joseph Weatherly  
P: (856) 596-0500  
E: jweatherly@tmo.com

Re: Phase I Environmental Site Assessment  
Chaparral Apartments  
4201 North Garfield  
Midland, Midland County, Texas 79705  
Terracon Project No. AR197055

Dear Mr. Weatherly:

This Phase I ESA dated February 13, 2019, was performed in accordance with Terracon Proposal No. PFA196011, dated January 22, 2019, and was conducted consistent with the procedures included in ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The Environmental Professional has read and understands the requirements outlined in Section 11.305 Environmental Site Assessment Rules and Guidelines of the Texas Department of Housing and Community Affairs (TDHCA) 2019 Uniform Multifamily Rules. Terracon will not materially benefit from the Development in any other way than receiving a fee from performing the ESA, and the fee is in no way contingent upon the outcome of the assessment. All persons who have a property interest in this report hereby acknowledge that the Department may publish the full report on the Department’s website, release the report in response to a request for public information and make other use of the report as authorized by law. Terracon grants the TDHCA the authority to rely on the findings of the report.

We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services.

Sincerely,

Terracon Consultants, Inc.

[Signature]

Jennifer A. Mabry  
Senior Staff Scientist

[Signature]

Theron V. Epp, CESCO  
Environmental Department Manager
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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PFA196011, dated January 22, 2019, and was conducted consistent with the procedures included in ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Section 11.305 Environmental Site Assessment Rules and Guidelines of the Texas Department of Housing and Community Affairs (TDHCA) 2019 Uniform Multifamily Rules. The ESA was conducted by Jennifer A. Mabry, Environmental Professional, who also performed the site reconnaissance on Monday, February 4, 2019.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use
The site is a 5.894-acre tract of land improved with 14 two-story apartment buildings, one office building with a maintenance room and a laundry room, a sports court, and a playground, known as the Chaparral Apartments, located at 4201 N. Garfield Street in Midland, Midland County, Texas. There are 124 apartment units with three floor plans ranging from 750-sf to 1,138-sf in size, and currently there are five unoccupied apartment units. The site is currently occupied by rental residential tenants.

Historical Information
Based on a review of the available historical sources, the site consisted of undeveloped land from at least 1946 until 1972, when the present-day Chaparral Apartments complex was constructed.

The adjoining properties consisted of undeveloped land from 1946 until between 1965 and 1974, when the north, south, and west adjoining properties were cleared and graded. Siesta Lane and residential dwellings were constructed south and west of the site by the mid-1970s. The existing multi-tenant office building (Garfield Business Center) and Bank of America branch bank were constructed north of the site by 1982. The east adjoining property has consisted of North Garfield Street followed by undeveloped land from at least 1946, and associated with the existing Midland College farther southeast of the site since at least 1980.

Recognized environmental conditions (RECs) were not identified with the historical information.
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Records Review
A review of available regulatory database information was conducted for specified federal and state agencies. The site was not listed in the GeoSearch regulatory report. The regulatory report identified two Texas Commission on Environmental Quality (TCEQ) leaking storage tank (LPST) facilities, one TCEQ petroleum storage tank (PST) facility, one TCEQ industrial hazardous waste corrective action (IHWCAs) facility, one TCEQ drycleaner remediation program site (DCRPS) facility, one TCEQ drycleaner registration database (DCR) facility, and one TCEQ voluntary cleanup program (VCP) facility. Based upon facility characteristics, environmental setting, and topographic gradient, the identified facilities do not appear to constitute RECs in connection with the site as specified within the text of the report.

Site Reconnaissance
The following features were identified during the site reconnaissance:

- 14 two-story apartment buildings ranging in size from 750 to 1,138 square-feet (SF);
- An office building with a laundry room and a maintenance room;
- A sports court and a playground;
- A floor drain located inside the laundry room;
- Ten 5-gallon containers containing paint and cleaning supplies located inside the maintenance room;
- 12 solid waste dumpsters and one roll-off dumpster dispersed throughout the site; and
- 10 pad-mounted transformers and two pole-mounted transformers dispersed throughout the site.

Evidence of RECs was not identified with the on-site features.

Adjoining Properties
The north adjoining property consists of the Garfield Business Center, followed by a Bank of America. The east adjoining property consists of North Garfield Street followed by undeveloped land (associated with Midland College). Siesta Lane is present to the south and west of the site, followed by duplexes. No RECs were identified with the adjoining properties.

Additional Services
- Noise Study
  The Noise Guidebook, published by the U.S. Department of Housing and Urban Development, considers the following sources of noise: all civilian and military airports within 15 miles of the site, all significant roads within 1,000 feet and all railroads within 3,000 feet of the site. North Garfield Street is located to the east of the site. The Midland Airpark is on the property to the east of North Garfield Street, located approximately 3,110 feet to the east of the site. The Midland International Airport and Space Port is located approximately 7.15 miles southwest of the site. No railroads were identified within 3,000
feet of the site. In accordance with U.S. Department of Housing and Urban Development guidelines and based on the proximity of the airports and road to the site, Terracon recommends a noise assessment for the site.

- **Current Survey**
  A current survey for the site was not provided to Terracon for this report. A site plan depicting the site and adjoining properties has been prepared. See Site Diagram in Appendix A.

- **FEMA Flood Insurance Map**
  Terracon obtained copies of the FEMA Flood Insurance Rate Maps (FIRMs/FIRMette) from the official FEMA website, and these maps are located in Appendix C. The site appears to be located on FEMA FIRM Numbers 48329C0086F and 48329C0088F, dated September 16, 2005. The FIRMette Maps indicate the site is in Zone X Unshaded. Zone X Unshaded is an area of minimal flood hazard.

- **Visual Observations for Asbestos**
  The following suspect asbestos-containing materials (ACM) were observed: wall texture/sheetrock/joint compound, ceiling texture/sheetrock/joint compound, wood panels, popcorn spray-applied ceiling texture, wood laminate flooring, ceramic floor tile, 12’x12’ vinyl floor tile, carpet mastic, sink undercoat, mirror mastic, and HVAC duct joint mastic. It is likely that at least some of the identified materials are ACM. A limited visual observation assessment for asbestos is not intended to serve as a comprehensive building asbestos survey, comprehensive inspection or comprehensive assessment for the presence of ACM in all or most of the building systems, nor will it serve to adequately assess the presence of ACM in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition.

- **Lead-based Paint**
  Terracon identified three colors of paint on the interior/exterior of the on-site buildings. A limited visual observation assessment for lead-based paint is not intended to serve as a comprehensive building lead-based paint survey or comprehensive inspection, nor will it serve to adequately assess the presence of lead-based paint in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough lead-based paint survey prior to disturbance of suspect paint during planned renovations or building demolition.

- **Lead in Drinking Water Records Review**
  Terracon understands that the existing development relies on drinking water provided by the City of Midland, the local municipal water supplier. The 2017 Water Quality Report indicates that the Midland drinking water is in compliance with the State of Texas and EPA national primary drinking water regulations, and meets the 90 percent compliance level.
for lead in drinking water. Lead in drinking water is often associated with lead-soldered plumbing in old structures. Based on the age of the development (1972) and the absence of lead-in drinking water analysis for the site, Terracon recommends testing for lead in the drinking water at the site.

Radon Records Review
Based on a review of the EPA Map of Radon Zones, the site is located in EPA Zone 3, which includes counties which have a predicted average screening level of less than 2 picoCuries of radon per liter of air (pCi/L). Radon testing was not conducted as part of the scope of services; however, Terracon does not recommend future radon testing at the site because, according to EPA standards, the potential for the presence of radon appears to be considered low.

Explosive and Flammable Operations
Terracon reviewed aerial photographs, topographic maps, Google Earth, and the Railroad Commission of Texas (RRC) pipeline map for evidence of aboveground storage tanks (ASTs) or pipelines on or in the vicinity of the site. No ASTs were identified within one-quarter mile of the site; however, one AST (apparent water storage tank) was identified approximately 2,595 feet east of the site. Based on the ASD calculation, this bulk AST is located greater than the ASD for Blast Over Pressure, ASD for Thermal Radiation for People and ASD for Radiation for Buildings. No other ASTs were located within ½ mile of the site. (See Appendix C). The distance from the site to the closest crude oil pipeline (underground) is approximately 1.0 mile to the north. Based on its underground nature and distance from the site, a blast zone was not identified per the HUD guidelines. Based on this information, explosive and flammable operations do not appear to be a threat at this time.

Vapor Encroachment
The Tier 1 Vapor Encroachment Screening results are discussed further in Section 7.9, and the conclusion from the Tier I screening is presented as follows: Based on the physical setting of the site, the current use of the site and the findings from the historical and regulatory records review, Vapor Encroachment Conditions (VECs) were not likely to exist at the site.

Significant Data Gaps
No significant data gaps were identified.

Opinions and Conclusions
We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 and the 2019 Section 11.305, Real Estate Analysis Rules and Guidelines at the
Chaparral Apartments located at 4201 North Garfield Midland, Midland County, Texas, the site. RECs were not identified in connection with the site.

**Recommendations**

Based on the scope of services, limitations, and findings of this assessment, Terracon did not identify RECs. As such, no additional investigation is warranted at this time.

**Recommendations per HUD Guidelines**

Based on the U.S. Department of Housing and Urban Development guidelines and the proximity of the airports and road to the site, Terracon recommends that a noise assessment be conducted.

Terracon recommends conducting a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition.

Terracon recommends conducting a thorough lead-based paint survey prior to disturbance of suspect paint during planned renovations or building demolition.

Based on the age of the development (1972) and the absence of lead-in drinking water analysis for the site, Terracon recommends testing for lead in the drinking water at the site.
1.0 INTRODUCTION

1.1 Site Description

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Chaparral Apartments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Location/Address</td>
<td>4201 N. Garfield, Midland, Midland County, Texas</td>
</tr>
<tr>
<td>Land Area</td>
<td>5.894 acres</td>
</tr>
<tr>
<td>Site Improvements</td>
<td>The site is improved with 14 apartment buildings, one office/laundry/maintenance building, a sports court, and a playground.</td>
</tr>
<tr>
<td>Anticipated Future Site Use</td>
<td>Continued use as current development/use</td>
</tr>
<tr>
<td>Purpose of the ESA</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PFA196011, dated January 22, 2019, and was conducted consistent with the procedures included in ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Section 11.305 Environmental Site Assessment Rules and Guidelines of the TDHCA 2019 Uniform Multifamily Rules. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to “the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.” By including this explicit reference to migration in ASTM E1527-13, the standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA and was considered by Terracon in evaluation of RECs associated with the site.
As requested by the client, the following additional services were performed:

- Noise Study
- Current Survey or site diagram
- FEMA Flood Map Review
- Limited Visual Observations for Asbestos
- Drinking Water Records Review
- Limited Radon Records Review
- Explosion Hazards
- Vapor Encroachment Screening

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated — but not eliminated — through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances,
information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- Historic information was not provided back to 1940. Uses of the site were described only as far back as 1946 because the site was undeveloped as of this date, and at the direction of the client, land title records were not reviewed.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site’s current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Midland Chaparral Associates LLC and the Texas Department of Housing and Community Affairs (TDHCA). Use or reliance by any other party is prohibited without the written authorization of Midland Chaparral Associates LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon’s Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon’s liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally
prepared, the third party must also satisfy the user’s responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Mr. Joseph Weatherly, client’s representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

<table>
<thead>
<tr>
<th>Client Questionnaire Item</th>
<th>Client Did Not Respond</th>
<th>Client’s Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialized Knowledge or Experience that is material to a REC in connection with the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.</td>
<td></td>
<td>X*</td>
</tr>
<tr>
<td>Obvious Indicators of Contamination at the site.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

*See previous Terracon reports

Terracon’s consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting

<table>
<thead>
<tr>
<th>Physical Setting Information</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topography</strong> (Refer to Appendix A for an excerpt of the Topographic Map)</td>
<td>USGS Topographic Map, Northeast Midland, Texas 1965, photorevised 1974</td>
</tr>
<tr>
<td>Site Elevation</td>
<td>Approximately 2,800 feet (NGVD)</td>
</tr>
<tr>
<td>Surface Runoff/ Topographic Gradient</td>
<td>Gently sloping toward the south-southeast</td>
</tr>
<tr>
<td>Closest Surface Water</td>
<td>A drainage channel, approximately 2,430 feet south of the site.</td>
</tr>
</tbody>
</table>
### Physical Setting Information

<table>
<thead>
<tr>
<th>Soil Characteristics</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Soil Type</strong></td>
<td>Amarillo Fine Sandy Loam, 0 to 1 percent slopes</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Derived from loamy eolian deposits. Typical profile is 0 to 10 inches of fine sandy loam, and 10 to 80 inches of sandy clay loam. This soil is well-drained; available water capacity is moderate; and depth to water table is more than 80 inches.</td>
</tr>
<tr>
<td><strong>Soil Type</strong></td>
<td>Midland County, Texas Web Soil Survey* issued September 15, 2018</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Geology/Hydrogeology</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Formation</strong></td>
<td>Windblown Cover Sand</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Fine- to medium-grained quartz, silty, calcareous, caliche nodules common, massive, grayish red; distinct soil profile; thickness up to 10 feet, feathers out locally (mostly Illinoian, may include younger deposits).</td>
</tr>
<tr>
<td><strong>Formation</strong></td>
<td>Geologic Atlas of Texas, Hobbs Sheet, 1978</td>
</tr>
<tr>
<td><strong>Estimated Depth to First Occurrence of Groundwater</strong></td>
<td>Within 40 to 55 feet below ground surface (bgs).</td>
</tr>
<tr>
<td><strong>Estimated Depth to First Occurrence of Groundwater</strong></td>
<td>TWDB**</td>
</tr>
<tr>
<td>***<strong>Hydrogeologic Gradient</strong></td>
<td>Not known - may be inferred to be parallel to topographic gradient (primarily to the south-southeast).</td>
</tr>
</tbody>
</table>

**http://texaswellreports.twdb.state.tx.us  
*** The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

### 3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

#### 3.1 Historical Topographic Maps, Aerial Photographs, and Sanborn Maps

Readily available historical United States Geological Survey (USGS) topographic maps and selected historical aerial photographs from the Agricultural Stabilization and Conservation Service (ASCS), Army Mapping Service (AMS), the USGS, the Texas Department of Transportation (TXDOT), and the United States Department of Agriculture (USDA) (at approximately 10 to 15 year intervals) were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic map and aerial photographs are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from GeoSearch to evaluate past uses and relevant characteristics of the site and surrounding areas.
properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps covering the target site were not found.

- **Aerial photograph**: ASCS, 1946, 1" = 500'
- **Aerial photograph**: AMS, 1954, 1" = 500'
- **Aerial photograph**: USGS, 1965, 1" = 500'
- **Topographic map**: Northeast Midland, Texas, 1965 photorevised 1974, (1:24,000)
- **Aerial photograph**: USGS, 1974, 1" = 500'
- **Aerial photograph**: TXD0T, 1982, 1" = 500'
- **Aerial photograph**: TXD0T, 1986, 1" = 500'
- **Aerial photograph**: USGS, 1996, 1" = 500'
- **Aerial photograph**: USDA, 2004, 1" = 500'
- **Aerial photograph**: USDA, 2012, 1" = 500'
- **Aerial photograph**: USDA, 2014, 1" = 500'
- **Aerial photograph**: Google Earth, 2018, 1" = 500'

### Historical Topographic Maps and Aerial Photographs

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>Vacant, undeveloped land (1946-1965); land is cleared and graded (1974); commercial lot (1982-2018).</td>
</tr>
<tr>
<td>South</td>
<td>Vacant, undeveloped land (1946-1965); land is cleared and graded, and one structure is present (1974); Siesta Lane followed by duplexes (1982-2018).</td>
</tr>
<tr>
<td>West</td>
<td>Vacant, undeveloped land (1946-1965); land is cleared and graded (1974); Siesta Lane followed by duplexes (1982-2018).</td>
</tr>
</tbody>
</table>

### 3.2 Historical City Directories

The Polk and Cole city directories used in this study were made available through the Midland Centennial Library (selected years reviewed: 1960-2016) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. City directories for the site and adjoining properties were not available prior to 1975. The current street address for the site was identified as 4201 N. Garfield Street.

### Historical City Directories

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td><strong>4201 N. Garfield Street</strong>: No listings (1960-1970); Chaparral Apartments (1975-2016).</td>
</tr>
</tbody>
</table>
Phase I Environmental Site Assessment
Chaparral Apartments ■ Midland, Texas
February 13, 2019 ■ Terracon Project No. AR197055

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td><strong>4305 N. Garfield Street</strong>: No listings (1960-1980); Professional office building – no tenants of concern (1985-2016).</td>
</tr>
<tr>
<td>East</td>
<td><strong>901 Veteran’s Airpark Lane</strong>: No listings (1960-2000); Basin Aviation Inc., Civil Air Patrol, J&amp;J Portable Signs, Midland College Pro Pilot Pro, Teepee Signs, West Texas Vertical Architects, Western Casting, Worldwide Leasing, 3 Tall City Electric (2005); Bill Neil Specialties, Civil Air Patrol, Deep Water Resources LLC., Pilot Training Program, Teepee Outdoor, West Texas Vertical Architects (2010); Basin Aviation Inc., Elkins Frank Electric Contractors, Tall City Electricity (2015); not listed (2016).</td>
</tr>
<tr>
<td></td>
<td><strong>3600 N. Garfield Street</strong>: No listings (1960-1970); Midland College (1980-2016).</td>
</tr>
<tr>
<td>South</td>
<td><strong>2303-2329 Siesta Lane</strong>: No listings (1960); Duplexes (1965-2016).</td>
</tr>
<tr>
<td>West</td>
<td><strong>2333-4229 Siesta Lane</strong>: No listings (1960); Duplexes (1965-2016).</td>
</tr>
</tbody>
</table>

3.3 Site Ownership

Based on information obtained from the Midland Central Appraisal District (MCAD), the site owner is Chaparral Housing Association, which has been the owner of the site since at least December 29, 1988.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

While not requested by the client, the GeoSearch regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Based on its limited nature, this review does not constitute a review of AULs per ASTM E1527-13.
3.6 Interviews Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

<table>
<thead>
<tr>
<th>Interviewer</th>
<th>Interviewee/Phone #</th>
<th>Title</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jennifer Mabry</td>
<td>Mr. Ray Segovia 432-683-2748</td>
<td>Maintenance Supervisor</td>
<td>February 4, 2019 at 11 am</td>
</tr>
</tbody>
</table>

Terracon interviewed Mr. Ray Segovia, the Maintenance Supervisor for the property. Mr. Segovia indicated that he has been associated with the property for approximately 29 years. Mr. Segovia did not know what was located on the land prior to the apartments. He was not aware of any USTs, ASTs, septic systems, or water wells at the site. Mr. Segovia stated that he had no knowledge of any major spills, releases, or unknown fill dirt at the site.

Mr. Segovia was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were provided by the client to Terracon for review.

- Chaparral Apartments ESA
  4201 N. Garfield Street, Midland, Midland County, Texas
  Dated: February 15, 2016
  Prepared by: Terracon Consultants, Inc.
  For: Michaels Organization

Based on a review of the Phase I ESA report prepared for the site in February of 2016, Terracon indicated that the site consisted of the existing apartments. RECs were not identified with the site in the previous report.

Although not identified as RECs, Terracon recommended a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition. Terracon recommended conducting a thorough lead based paint survey during planned renovations or building demolition. In addition, Terracon recommended a noise assessment since the site is located in the vicinity of an airport and road.
Based on a review of the Phase I ESA report prepared for the site in March of 2017, Terracon indicated that the site consisted of the existing apartments. RECs were not identified with the site in the previous report. Recommendations per HUD guidelines, similar to the 2016 ESA report, were made in the 2017 ESA report.

4.0 RECORDS REVIEW

Regulatory database information was provided by GeoSearch, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Radius (miles)</th>
<th>Listings</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPL</td>
<td>National Priorities List</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>NPL (Delisted)</td>
<td>Delisted NPL sites</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS</td>
<td>Comprehensive Environmental Response, Compensation and Liability Information System</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS/NFRAP</td>
<td>CERCLIS No Further Remedial Action Planned</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>RCRA CORRACTS/TSD</td>
<td>Resource Conservation and Recovery Act Corrective Action and Treatment, Storage and Disposal facilities</td>
<td>1.0</td>
<td>0</td>
</tr>
</tbody>
</table>
### Federal Databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Radius (miles)</th>
<th>Listings</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCRA Non-CORRECTS/TSD</td>
<td>RCRA non-Corrective Action TSD facilities</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>RCRA Generators</td>
<td>RCRA-listed hazardous waste generators</td>
<td>0.1</td>
<td>0</td>
</tr>
<tr>
<td>IC/EC</td>
<td>Institutional Control/Engineering Control</td>
<td>Site</td>
<td>0</td>
</tr>
<tr>
<td>ERNS</td>
<td>Emergency Response Notification System</td>
<td>Site</td>
<td>0</td>
</tr>
</tbody>
</table>

### State/Tribal Databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Radius (miles)</th>
<th>Listings</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPL</td>
<td>State-/Tribal-equivalent NPL sites</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS</td>
<td>State-/Tribal-equivalent CERCLIS sites</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>MSWF/LF</td>
<td>Municipal Solid Waste Facility / Landfill</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>LPST</td>
<td>Leaking Petroleum Storage Tank</td>
<td>0.5</td>
<td>2</td>
</tr>
<tr>
<td>UST/AST</td>
<td>Underground Storage Tank/Aboveground Storage Tank</td>
<td>0.1</td>
<td>0</td>
</tr>
<tr>
<td>IC/EC</td>
<td>State/Tribal equivalent IC / EC list</td>
<td>Site</td>
<td>0</td>
</tr>
<tr>
<td>IHW</td>
<td>Industrial and Hazardous Waste</td>
<td>0.25</td>
<td>0</td>
</tr>
<tr>
<td>IHWCA</td>
<td>Industrial and Hazardous Waste Corrective Action Site</td>
<td>0.25</td>
<td>1</td>
</tr>
<tr>
<td>VCP</td>
<td>Voluntary Cleanup Program</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>DCR</td>
<td>Dry Cleaner Registration Database</td>
<td>0.25</td>
<td>1</td>
</tr>
<tr>
<td>DCRPS</td>
<td>Dry Cleaner Remediation Program Sites</td>
<td>0.25</td>
<td>1</td>
</tr>
<tr>
<td>Brownfields</td>
<td>State/tribal listing of Brownfield properties</td>
<td>0.5</td>
<td>0</td>
</tr>
</tbody>
</table>

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.
Listed Facilities

<table>
<thead>
<tr>
<th>Facility Name and Location</th>
<th>Estimated Distance / Direction/Gradient</th>
<th>Database Listings</th>
<th>Is a REC, CREC, or HREC to the Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Dry Cleaners</td>
<td>1,215 feet / North / Cross-gradient</td>
<td>DCR/DCRPS/IHWCA</td>
<td>No, based on distance</td>
</tr>
<tr>
<td>7 Eleven 57816 Former</td>
<td></td>
<td>LPST/VCP</td>
<td></td>
</tr>
<tr>
<td>Stop N Go</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4415 N. Garfield</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Midland, Texas</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Midland College</td>
<td>1,375 feet / Southeast / Cross- to down-gradient</td>
<td>LPST</td>
<td>No, based on distance</td>
</tr>
<tr>
<td>3600 North Garfield</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

4.2 Local Agency Inquiries

<table>
<thead>
<tr>
<th>Agency Contacted/ Contact Method</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midland City Secretary / by letter</td>
<td>The City of Midland Secretary was contacted by letter requesting records or information indicating environmental concerns for the site. The City Secretary disseminates the request and individual city departments respond to the request.</td>
</tr>
<tr>
<td>Fire Marshal / via letter to the City Secretary</td>
<td>“No records found.”</td>
</tr>
<tr>
<td>Fire Department / via letter to the City Secretary</td>
<td>“Searched 2 reporting databases for requested calls. This location has been the Chaparral Apartments for at least 33 years. Our electronic records date back to 2004.”</td>
</tr>
<tr>
<td>Planning Department / via letter to the City Secretary</td>
<td>“No records found.”</td>
</tr>
<tr>
<td>Health Department / via letter to the City Secretary</td>
<td>“No records found.”</td>
</tr>
<tr>
<td>Code Enforcement &amp; Building Department / via letter to the City Secretary</td>
<td>“Midland Code Administration does not track HAZMAT storage sites, HAZMAT spills, fires, or other environmental regulatory compliance issues. The code enforcement office does not have any records of citations or complaints at the requested address. Due to a software upgrade in 2015, Midland Code Administration does not have any records of any buildings that existed on property prior to the current buildings.”</td>
</tr>
</tbody>
</table>
4.3 Local Area Knowledge

Based on a review of the Railroad Commission of Texas (RRC) website and the Pipeline and Hazardous Materials Safety Administration (PHMSA) National Pipeline Mapping System (NPMS), no oil/gas wells or pipelines were identified on the site or within a tenth of a mile from the site.

Terracon reviewed the TWDB website for water wells or plugged water wells in the site vicinity, and none were identified on or adjacent to the site.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

<table>
<thead>
<tr>
<th>Site Reconnaissance</th>
<th>Jennifer A. Mabry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reconnaissance Date</td>
<td>Monday, February 4, 2019</td>
</tr>
<tr>
<td>Weather Conditions</td>
<td>Sunny, 67°-75°F</td>
</tr>
<tr>
<td>Site Contact/Title</td>
<td>Ray Segovia / Maintenance Supervisor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building Identification</th>
<th>Building Use</th>
<th>Approx. Construction Date</th>
<th>Number of Stories</th>
<th>Approx. Size (ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Building</td>
<td>Office</td>
<td>1972 (addition 2004)</td>
<td>1</td>
<td>1,555</td>
</tr>
<tr>
<td>Six Large Apartment Buildings</td>
<td>Apartments</td>
<td>1972 (remodeled in 87/88)</td>
<td>2</td>
<td>13,600</td>
</tr>
<tr>
<td>Two Medium Apartment Building</td>
<td>Apartments</td>
<td>1972 (remodeled in 87/88)</td>
<td>2</td>
<td>8,800</td>
</tr>
<tr>
<td>Six Small Apartment Buildings</td>
<td>Apartments</td>
<td>1972 (remodeled in 87/88)</td>
<td>2</td>
<td>5,400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Site Utilities</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Drinking Water</td>
<td>City of Midland</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wastewater</td>
<td>City of Midland</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5.2 Overview of Current Site Occupants

The site is currently occupied by rental residential tenants.

5.3 Overview of Current Site Operations

The site operates as the Chaparral Apartment complex.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

<table>
<thead>
<tr>
<th>Site Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
</tr>
<tr>
<td>Site Operations,</td>
</tr>
<tr>
<td>Processes, and</td>
</tr>
<tr>
<td>Equipment</td>
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</tbody>
</table>
### Category

**Aboveground Chemical or Waste Storage**
- Aboveground storage tanks
- Drums, barrels and/or containers ≥ 5 gallons
- MSDS or SDS

**Underground Chemical or Waste Storage, Drainage or Collection Systems**
- Underground storage tanks or ancillary UST equipment
- Sumps, cisterns, French drains, catch basins and/or dry wells
- Grease traps
- Septic tanks and/or leach fields
- Oil/water separators, clarifiers, sand traps, triple traps, interceptors
- Pipeline markers
- Interior floor drains

**Electrical Transformers/PCBs**
- Transformers and/or capacitors
- Other equipment

**Releases or Potential Releases**
- Stressed vegetation
- Stained soil
- Stained pavement or similar surface
- Leachate and/or waste seeps
- Trash, debris and/or other waste materials
- Dumping or disposal areas
- Construction/demolition debris and/or dumped fill dirt
- Surface water discoloration, odor, sheen, and/or free floating product
- Strong, pungent or noxious odors
- Exterior pipe discharges and/or other effluent discharges

**Other Notable Site Features**
- Surface water bodies
- Quarries or pits
- Wastewater lagoons
- Wells

### Site Operations, Processes, and Equipment

**Heating and/or cooling systems**
The buildings are heated and cooled via individual heating, ventilation and air conditioning (HVAC) units with the condenser units located on the ground outside the apartment units.
Other processes or equipment
Evidence of a former swimming pool and kiddie pool was observed south of the office area, and the office building addition is partially improved over the footprint of the kiddie pool. According to Mr. Segovia, the main swimming pool was exhibiting cracks, the associated pump equipment was not working properly, and tenants were jumping the “closed” pool fence; hence, based on the pool issues and safety reasons, the apartment complex decided to close the pool in approximately 1996/1997. According to Mr. Segovia, both pools were filled with “clean” rock and soil mixture and were allowed to revegetate. No evidence of odors, staining or foreign objects was noted/observed in the vicinity of the two former pools. Based on the information provided and site observations, the former pool areas do not constitute a REC for the site.

Aboveground Chemical or Waste Storage

Drums, barrels, and/or containers ≥ 5 gallons
Approximately ten 5-gallon containers were identified inside the maintenance room inside the on-site office building. The maintenance room includes the storage of paint and cleaning supplies. A floor drain was not observed in the maintenance room. Evidence of staining or noxious odors was not identified in the maintenance room. The 5-gallon containers observed do not constitute a REC to the site.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Interior floor drains
An interior floor drain was observed inside the laundry room, which discharges to the city sewer. Staining and/or releases to the floor drain were not observed during the site reconnaissance. Potentially hazardous materials were not identified in the vicinity of the floor drain. Based on site observations, the interior floor drain does not represent a REC.

Electrical Transformers/PCBs

Transformers and/or capacitors
Ten pad-mounted transformers were observed throughout the site and two pole-mounted transformers were observed along the eastern site boundary during the site visit, which are owned and serviced by TXU; however, no information with regard to PCB content of the transformer fluids was observed. Some transformers contain mineral oil which may contain PCBs.

TXU maintains responsibility for the transformers, and if the transformers were “PCB contaminated,” TXU is not required to replace the transformer fluids until a release is identified. However, evidence of current or prior release was not observed in the vicinity of the electrical equipment during the site reconnaissance. The electrical transformers do not appear to constitute a REC to the site.
Releases or Potential Releases
Trash, debris and/or other waste materials
Twelve solid waste disposal dumpsters and one roll-off dumpster, serviced by Republic, were observed on the site. Staining, noxious odors or hazardous waste disposal was not observed in the vicinity of the on-site dumpsters. The on-site dumpsters do not constitute a REC to the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE
Visual observations of adjoining properties (from site boundaries) are summarized below.

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>Garfield Business Center – multi-tenant professional office – no tenants of concern (4305 N. Garfield Street) and Bank of America (4309 N. Garfield Street).</td>
</tr>
<tr>
<td>East</td>
<td>N. Garfield Street followed by undeveloped land (associated with Midland College, 3600 N. Garfield Street).</td>
</tr>
<tr>
<td>South</td>
<td>Siesta Lane followed by duplexes.</td>
</tr>
<tr>
<td>West</td>
<td>Siesta Lane followed by duplexes.</td>
</tr>
</tbody>
</table>

RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES
Per the agreed scope of services specified in the proposal, the following additional services were conducted:

7.1 Noise Recommendation
The Noise Guidebook, published by the U.S. Department of Housing and Urban Development, considers the following sources of noise: all civilian and military airports within 15 miles of the site, all significant roads within 1,000 feet and all railroads within 3,000 feet of the site. North Garfield Street is located to the adjacent east of the site. The Midland Airpark is on the property to the east of N. Garfield Street (approximately 50 feet east of the site) and the Midland International Airport and Space Port is located approximately 7.15 miles to the southwest of the site. No railroads were identified within 3,000 feet of the site. Based on the U.S. Department of Housing and Urban Development guidelines and the proximity of the airports and road to the site, Terracon recommends that a noise assessment be conducted.
7.2 Current Survey

A current survey for the site was not provided to Terracon for review. A site plan depicting the site and adjoining properties has been prepared. See Appendix A.

7.3 FEMA Flood Insurance Rate Map Review

Terracon obtained copies of the FEMA Flood Insurance Rate Maps (FIRMs/FIRMette) from the official FEMA website, and these maps are located in Appendix C. The site appears to be located on FEMA FIRM Numbers 48329C0086F and 48329C0088F, dated September 16, 2005. The FIRMette Maps indicate the site is in Zone X Unshaded. Zone X Unshaded is an area of minimal flood hazard.

7.4 Visual Observations for Asbestos

Pursuant to the client’s request and in conjunction with the site reconnaissance, Terracon visually assessed the on-site building for suspect asbestos containing material (ACM). No samples of suspect ACM were collected or analyzed as part of the observations. The visual observations for suspect ACM were restricted to readily visible and accessible building materials.

The following suspect ACM were observed:

<table>
<thead>
<tr>
<th>Material</th>
<th>Location</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall texture/sheetrock/joint compound</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>Ceiling texture/sheetrock/joint compound</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>Popcorn spray on ceiling texture</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>Wood laminate flooring</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>Ceramic tile</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>Wood panels</td>
<td>Office</td>
<td>Good</td>
</tr>
<tr>
<td>12’x12’ vinyl floor tile</td>
<td>Laundry</td>
<td>Good</td>
</tr>
<tr>
<td>Wall texture/sheetrock/joint compound walls</td>
<td>Laundry</td>
<td>Good</td>
</tr>
<tr>
<td>Ceiling texture/sheetrock/joint compound</td>
<td>Maintenance Office (above Office)</td>
<td>Good</td>
</tr>
<tr>
<td>Smooth wall texture/sheetrock/joint compound walls</td>
<td>Maintenance Office (above Office)</td>
<td>Good</td>
</tr>
<tr>
<td>Popcorn ceiling texture/sheetrock/joint compound</td>
<td>Maintenance Office (above Office)</td>
<td>Good</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Material</th>
<th>Location</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sink undercoat</td>
<td></td>
<td>Good</td>
</tr>
<tr>
<td>Mirror Mastic</td>
<td></td>
<td>Good</td>
</tr>
<tr>
<td>Carpet Mastic</td>
<td></td>
<td>Good</td>
</tr>
<tr>
<td>Wall texture/sheetrock/joint compound walls</td>
<td>Observed units</td>
<td></td>
</tr>
<tr>
<td>Popcorn ceiling texture/sheetrock/joint compound</td>
<td></td>
<td>Good</td>
</tr>
<tr>
<td>12”X12” vinyl floor tiles, various colors and designs and associated mastic</td>
<td>Throughout all buildings, in bathrooms and kitchens, and on the floor in laundry room.</td>
<td>Good</td>
</tr>
<tr>
<td>Mastic, Gray</td>
<td>Throughout all buildings on the HVAC duct joints</td>
<td>Good</td>
</tr>
</tbody>
</table>

Based on the age of the buildings (1972), it is likely that at least some of the identified materials are ACM. A limited visual observation assessment for asbestos is not intended to serve as a comprehensive building asbestos survey, comprehensive inspection or comprehensive assessment for the presence of ACM in all or most of the building systems, nor will it serve to adequately assess the presence of ACM in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition.

7.5 Visual Observations for Lead-based Paint

Terracon visually assessed the interior and exterior of the on-site buildings for suspect Lead-Based Paint (LBP). No samples of suspect LBP were collected or analyzed as part of the observations. The visual observations for suspect LBP were restricted to readily visible and accessible building materials. The following suspect LBP were observed:

**SUMMARY OF SUSPECT LEAD-BASED PAINT**

<table>
<thead>
<tr>
<th>Paint Description</th>
<th>Location</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tan/White</td>
<td>Office Building Laundry Room and Maintenance Area</td>
<td>Good</td>
</tr>
<tr>
<td>Dalmer Brown</td>
<td>Exterior of all buildings</td>
<td>Good</td>
</tr>
<tr>
<td>Tan/White</td>
<td>Interior of all apartments</td>
<td>Good</td>
</tr>
</tbody>
</table>

Terracon identified three colors of paint on the interior/exterior of the on-site buildings. According to Mr. Segovia, painted surfaces of the site have been tested for lead-based paint; however, test results were not shared with Terracon. A limited visual observation assessment for lead-based paint is not intended to serve as a comprehensive building lead-based paint survey or comprehensive inspection, nor will it serve to adequately assess the presence of lead-based paint
in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough lead-based paint survey prior to disturbance of suspect paint during planned renovations or building demolition.

7.6  Lead in Drinking Water Records Review

Lead is a toxic heavy metal that could be present in drinking water. Natural water usually contains very little lead. Contamination generally occurs in the water distribution system or in the supply pipes of the building. Because of this, the EPA has established an action level for lead concentrations in drinking water of 15 µg/L. The action level is defined as the concentration of lead in water, which if exceeded, triggers treatment or other requirements that a water system must follow.

Terracon understands that the existing development relies on drinking water provided by the City of Midland, the local municipal water supplier. The 2017 Water Quality Report indicates that the Midland drinking water is in compliance with the State of Texas and EPA national primary drinking water regulations, and meets the 90 percent compliance level for lead in drinking water. Lead in drinking water is often associated with lead-soldered plumbing in old structures. Based on the age of the development (1972) and the absence of lead-in drinking water analysis for the site, Terracon recommends testing for lead in the drinking water at the site.

7.7  Radon Records Review

Based on a review of the EPA Map of Radon Zones, the site is located in EPA Zone 3, which includes counties which have a predicted average screening level of less than 2 picoCuries of radon per liter of air (pCi/L). Radon testing was not conducted as part of the scope of services; however, Terracon does not recommend future radon testing at the site because, according to EPA standards, the potential for the presence of radon appears to be considered low.

7.8  Explosive and Flammable Operations

Terracon reviewed aerial photographs, topographic maps, Google Earth, and the Railroad Commission of Texas (RRC) pipeline map for evidence of aboveground storage tanks (ASTs) or pipelines on or in the vicinity of the site. No ASTs were identified within one-quarter mile of the site; however, one AST (apparent water storage tank) was identified approximately 2,595 feet east of the site. Based on the ASD calculation, this bulk AST is located greater than the ASD for Blast Over Pressure, ASD for Thermal Radiation for People and ASD for Radiation for Buildings. No other ASTs were located within ½ mile of the site. (See Appendix C). The distance from the site to the closest crude oil pipeline (underground) is approximately 1.0 mile to the north. Based on its underground nature and distance from the site, a blast zone was not identified per the HUD guidelines. Based on this information, explosive and flammable operations do not appear to be a threat at this time.
7.9 Vapor Encroachment

Terracon conducted a Tier 1 Vapor Encroachment Screening (VES), in general accordance with the procedures included in ASTM E 2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. The purpose of the Tier 1 VES is to evaluate whether a vapor encroachment condition (VEC) may be present at the site. A VEC is defined by ASTM as the “presence or likely presence of chemical(s) of concern (COC) vapors in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater or both either on or near the target property as identified by the Tier I procedures in the Guide.”

This purpose was pursued through use of information collected in conjunction with the ESA, including existing/planned use of the site, type of structures located on the site, surrounding property description, user information, historical and physical records review, regulatory database review, manmade or natural conduits, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant gaps (if identified) are evident from reviewing the applicable scope of services and the Phase I report text.

The scope of work for the Tier 1 VES does not include regulatory file reviews (other than those performed as part of the Phase I ESA) or subsurface investigations to evaluate soil, soil gas, or groundwater quality, nor does it evaluate the potential for vapor intrusion into on-site structures or assess indoor air quality.

7.9.1 Existing / Planned Use of the Site/Structures

The site is an approximately 5.894-acre site that is currently developed with an apartment complex consisting of 14 two-story apartment buildings with slab on grade foundations. Future planned use is to maintain the current buildings with their current use.

7.9.2 Surrounding Area Description

Please refer to Section 6.0.

7.9.3 User Specialized Knowledge

Please refer to Section 1.6.

7.9.4 Historical Records

Based on review of the historical information, historical site uses of potential concern and off-site uses of potential concern were not identified. Please refer to Section 3.0.
7.9.5 Regulatory Records

Terracon reviewed the regulatory database (see Section 4.0) for facilities potentially utilizing petroleum hydrocarbons within one-tenth of a mile of the site and facilities potentially using other volatile chemicals of concern within one-third of a mile of the site. Based on Terracon’s review of the regulatory records, Terracon did not identify potential facilities of concern. Based on Terracon’s review of the regulatory records, VECs were not identified on the site associated with the identified potential facilities of concern.

7.9.6 Physical Setting Characteristics

The site is located with the Great Plains Physiographic Province, characterized by windblown cover sands deposited in the Quaternary age. Shallow soils are identified by the NRCS as fine sandy loam. The depth to groundwater is estimated to be between 40 and 55 feet bgs, and the direction of ground water flow is estimated to be south-southeast, toward a drainage channel, based on the observed topographic gradient.

7.9.7 Natural or Man-made Conduits

The site is located in a developed area of the city containing utilities along the adjacent rights of way. Based on the absence of potential identified vapor sources in the site vicinity, it is unlikely that man-made conduits, such as utility corridors, provide a potential path for vapor migration. Additionally, natural conduits, such as karst terrain/features, are not known to exist in the site vicinity.

7.9.8 Conclusions

The Tier 1 VES results are summarized herein, and the conclusion from the Tier I screening is presented below.

Based on the physical setting of the site, the current use of the site and the findings from the historical and regulatory records review, VECs were not likely to exist at the site.
8.0 DECLARATION

I, Jennifer A. Mabry, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Jennifer A. Mabry
Environmental Professional
APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

Project No: AR197055
Scale: 1" = 2,000'
Quadrangle: Northeast Midland, Texas
Date: 1965, photorevised, 1974

TOPOGRAPHIC MAP

1
APPENDIX B
SITE PHOTOGRAPHS
Phase I Environmental Site Assessment
Chaparral Apartments  ■  Midland, Midland County, Texas
Date Photos Taken:  February 4, 2019  ■  Terracon Project No. AR197055

Photo #1  Typical exterior view of the office building.

Photo #2  Typical interior view of the office area.

Photo #3  Typical view of the laundry room in the office building.

Photo #4  Typical view of the storage area located in the second floor of the office building.

Photo #5  Typical view of the storage area located on the first floor of the office building (former pool equipment area).

Photo #6  View of the storage shed located adjacent to the office building.
Phase I Environmental Site Assessment
Chaparral Apartments ■ Midland, Midland County, Texas
Date Photos Taken: February 4, 2019 ■ Terracon Project No. AR197055

Photo #7  Typical exterior view of the on-site apartment unit buildings.

Photo #8  An additional exterior view of the apartment unit buildings.

Photo #9  Typical view of a unit living room.

Photo #10  Typical view of a unit kitchen.

Photo #11  Typical view of a unit bedroom.

Photo #12  Typical view of a unit bathroom.
Photo #13  View of the mail building.

Photo #14  Typical view of the playground and sports court.

Photo #15  View of the former pool area.

Photo #16  View of the former kiddie pool area.

Photo #17  Typical view of the pad-mounted transformers located throughout the site.

Photo #18  Typical view of the pole-mounted transformer.
Phase I Environmental Site Assessment
Chaparral Apartments ■ Midland, Midland County, Texas
Date Photos Taken: February 4, 2019 ■ Terracon Project No. AR197055

Photo #19  Typical view of the air-conditioning units located throughout the site.

Photo #20  Typical view of the on-site dumpsters.

Photo #21  View of the roll-off dumpster.

Photo #22  Typical view of the Garfield Business Center office building north of the site.

Photo #23  View of North Garfield Street followed by vacant land.

Photo #24  View of North Garfield Street followed by the Midland College.
Phase I Environmental Site Assessment
Chaparral Apartments ■ Midland, Midland County, Texas
Date Photos Taken: February 4, 2019 ■ Terracon Project No. AR197055

Photo #25 View of Siesta Lane followed by residences located south of the site.

Photo #26 View of Siesta Lane followed by residences located west of the site.
APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
Aerial Photograph
Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project No. AR197055
Scale: 1" ~ 500'
Source: USGS
Date: 1965
Aerial Photograph

Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
Aerial Photograph

Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

Project No. AR197055
Scale: 1" = 500'
Source: TXDOT
Date: 1982

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
Aerial Photograph

Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project No. AR197055
Scale: 1" = 500'
Source: TXDOT
Date: 1986
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Aerial Photograph
Chaparral Apartments
4201 North Garfield Street
Midland, Midland County, Texas

Project No. AR197055
Scale: 1" ~ 500'
Source: USDA
Date: 2004
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
### Property Details

**Ownership**

CHAPARRAL HOUSING ASSOCIATION  
1050 E 61ST ST  
TULSA, OK 74136-0500  
Ownership Interest: 1.0000000  
M36A

**Available Actions**

Qualified Exemptions  
Not Applicable

### Legal Information

Legal: Acres: 5.894, BLK: 005, LOT: 001, ADDN: NORTH TOWN PLAZA  
Situs: GARFIELD ST 4201 N

### Property Valuation History

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<th>Values by Year</th>
<th>2018</th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
<th>2014</th>
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<td>+ $1,979,780</td>
<td>+ $1,979,780</td>
<td>+ $1,979,780</td>
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<td>+ $320,910</td>
<td>+ $320,910</td>
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<td>$0</td>
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## Improvement / Buildings

**Improvement Value:** $1,979,780

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<th>Group Sequence</th>
<th>Code</th>
<th>Building Description</th>
<th>Year Built</th>
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<tr>
<td>101</td>
<td>COMM</td>
<td>COMM BLDG</td>
<td>1972</td>
<td>119,108</td>
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<td>1972</td>
<td>325</td>
<td>88</td>
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<td>103</td>
<td>POOL</td>
<td>SWIMMING POOL</td>
<td>1972</td>
<td>1,160</td>
<td>150</td>
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<td>104</td>
<td>CONC</td>
<td>CONC PRK LOT</td>
<td>1972</td>
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<td>105</td>
<td>PKLT</td>
<td>PARKING LT</td>
<td>1972</td>
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<td>COMM</td>
<td>COMM BLDG</td>
<td>2004</td>
<td>360</td>
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## Land Details

**Market Value:** $320,910  
**Production Market Value:** $0  
**Production Value:** $0

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<td>5.894</td>
<td>256,725</td>
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<td>0</td>
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<td>320,906</td>
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## Deed History

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<th>Deed Date</th>
<th>Instrument</th>
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<td>0990</td>
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<td>12/29/1988</td>
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</tr>
<tr>
<td>n/a</td>
<td>0860</td>
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<td>0791</td>
<td>10/15/1975</td>
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## Property Tax Estimation by Entity / Jurisdiction

| Code | Description           | Taxable Value | Tax Rate per $100 | Tax Factor applied to Taxable Value | Estimated Tax  
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<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>165</td>
<td>MIDLAND COUNTY</td>
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<td>$0.14</td>
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<td>$3,523.94</td>
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<td>CTM</td>
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<td>RDC</td>
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</tbody>
</table>

The above property tax estimation is not a tax bill. Do not pay.

Click here to view actual Property Tax Bill.

Southwest Data Solutions provides this information "as is" without warranty of any kind. Southwest Data Solutions is not responsible for any errors or omissions.
In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2002 (the “Brownfields Amendments”), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that “all appropriate inquiry” is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: **4201 North Garfield**  
Site Address: **Midland, Texas**

1) Did a search of records land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)?  
   - No  
   - Yes   
   If yes, please explain.

2) Did a search of recorded land title records (or judicial records where appropriate identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)?  
   - No  
   - Yes   
   If yes, please explain.

3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)?  
   - No  
   - Yes   
   If yes, please explain.

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site (40 CFR 312.29)?  
   - No  
   - Yes   
   Not Applicable

   If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)?  
   - No  
   - Yes   
   If yes, please explain.

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)?  
   - No  
   - Yes   
   If yes, please explain.

   Please see previous Terracon reports.

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)?  
   - No  
   - Yes   
   If yes, please explain.

Please return this form with the signed and completed Agreement for Services.
Request for Information and Documentation

In addition to the specific questions outlined above, the user is requested to provide the following information and documentation, as available. ASTM requires that this information, if available, be provided to the environmental professional prior to the site visit.

<table>
<thead>
<tr>
<th>Item Supplied “X”</th>
<th>Not Applicable, Not Available or Not Known “X”</th>
<th>Item Requested (See Proposal)</th>
<th>Contacts/Comments or Indicate Attachment</th>
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</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
<td>Point of Contact for Access</td>
<td>Name/Phone: Angie Hernandez 412-683-2748</td>
</tr>
<tr>
<td>X</td>
<td></td>
<td>Current Site Owner</td>
<td>Name/Phone: Joseph Weatherly 202-838-8050</td>
</tr>
<tr>
<td>X</td>
<td></td>
<td>Current Facility Operator</td>
<td>Name/Phone: Angie Hernandez 412-683-2748</td>
</tr>
<tr>
<td>X</td>
<td></td>
<td>Contacts for Prior Owners</td>
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<td>Contacts for Prior Occupants</td>
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<td>X</td>
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<td>Notification of Special</td>
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<td>Legal Description and</td>
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<td></td>
<td>Diagram / Survey of Site</td>
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<tr>
<td>X</td>
<td></td>
<td>Chain of Title with</td>
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</tr>
<tr>
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<td></td>
<td>Grantor/Grantee Summary (back</td>
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<td></td>
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<td>to 1940 or first developed</td>
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</tr>
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<td></td>
<td></td>
<td>use)</td>
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</tr>
<tr>
<td>X</td>
<td></td>
<td>Reasons for Conducting ESA</td>
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</table>

Please return this form with the signed and completed Agreement for Services.
Helpful Documents Checklist
Pursuant to ASTM E 1527-13 § 10.8, do you know whether any of the following documents exist related to the subject property and, if so, whether copies can and will be provided to the environmental professional? Check all that apply.

☑ Environmental site assessment reports
☐ Environmental compliance audit reports
☐ Geotechnical studies
☐ Reports regarding hydrogeologic conditions on the property or surrounding area
☐ Registrations for above or underground storage tanks
☐ Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
☐ Registrations for underground injection systems
☐ Environmental permits/plans, solid waste permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, SPCC plans

________________________________
Name (Authorized Client Representative)
________________________________
Title
________________________________
Signature

1/24/2019
Date

Please return this form with the signed and completed Agreement for Services.
The distance from the site to the closest aboveground storage tank is approximately 2,595 feet to the east. Based on the ASD calculation (next page), this bulk AST is located greater than the ASD for Blast Over Pressure, ASD for Thermal Radiation for People and ASD for Radiation for Buildings. No other ASTs were located within \( \frac{1}{2} \) mile of the site.
Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department’s standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² * hr - people and 10,000 BTU/ft² * hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department’s guidebook "Siting of HUD-Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Siting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

**Note:** Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

<table>
<thead>
<tr>
<th>Acceptable Separation Distance Assessment Tool</th>
</tr>
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<tbody>
<tr>
<td>Is the container above ground? Yes: [ ] No: [ ]</td>
</tr>
<tr>
<td>Is the container under pressure? Yes: [ ] No: [ ]</td>
</tr>
<tr>
<td>Does the container hold a cryogenic liquified gas? Yes: [ ] No: [ ]</td>
</tr>
<tr>
<td>Is the container diked? Yes: [ ] No: [ ]</td>
</tr>
<tr>
<td>What is the volume (gal) of the container? 61000</td>
</tr>
<tr>
<td>What is the Diked Area Length (ft)?</td>
</tr>
<tr>
<td>What is the Diked Area Width (ft)?</td>
</tr>
<tr>
<td><strong>Calculate Acceptable Separation Distance</strong></td>
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<tr>
<td>Diked Area (sqft)</td>
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<tr>
<td>ASD for Blast Over Pressure (ASDBOP) 852.57</td>
</tr>
<tr>
<td>ASD for Thermal Radiation for People (ASDPPU) 1533.09</td>
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<tr>
<td>ASD for Thermal Radiation for Buildings (ASDBPU) 336.32</td>
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<tr>
<td>ASD for Thermal Radiation for People (ASDPNPD)</td>
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<tr>
<td>ASD for Thermal Radiation for Buildings (ASDBNPD)</td>
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</tbody>
</table>

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)
The distance from the site to the closest crude oil pipeline (underground) is approximately 1.0 mile to the north. Based on its underground nature and distance from the site, a blast zone was not identified per the HUD guidelines.
Radius Report

GeoLens by GeoSearch

Target Property:
Chaparral Apartments
4201 N Garfield St
Midland, Midland County, Texas 79705

Prepared For:
Terracon Consultants-Lubbock

Order #: 120713
Job #: 275417
Project #: AR197055
PO #: N/A
Date: 01/25/2019
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This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR §312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR §312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information
Chaparral Apartments
4201 N Garfield St
Midland, Texas 79705

Coordinates
Area centroid (-102.11196, 32.0319077)
2,802 feet above sea level

USGS Quadrangle
Northeast Midland, TX

Geographic Coverage Information
County/Parish: Midland (TX)
ZipCode(s):
Midland TX: 79705, 79707
## Database Summary

### FEDERAL LISTING

#### Standard Environmental Records

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<tr>
<th>Database</th>
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#### Additional Environmental Records

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### Database Summary

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| SUB-TOTAL                                                             | 3             | 0         |             |                       |
### Database Summary

**STATE (TX) LISTING**

**Standard Environmental Records**

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**SUB-TOTAL**

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**Additional Environmental Records**

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Database Summary
## TRIBAL LISTING

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**SUB-TOTAL**

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### Additional Environmental Records

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**TOTAL**

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**FEDERAL LISTING**

Standard environmental records are displayed in **bold**.

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**Note:**
- **Search Radius (miles)**: The radius in miles for each acronym is specified.
- **TP/AP (< 0.02)**: The number of records found within 1/8 mile of the search radius.
- **1/8 Mile (> TP/AP)**: The number of records found between 1/8 and 1/4 mile of the search radius.
- **1/4 Mile (> 1/8)**: The number of records found between 1/4 and 1/2 mile of the search radius.
- **1/2 Mile (> 1/4)**: The number of records found between 1/2 and 1 mile of the search radius.
- **1 Mile (> 1/2)**: The number of records found beyond 1 mile of the search radius.
- **> 1 Mile**: The number of records found beyond 1 mile of the search radius.

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**Database Information:**
- [www.geo-search.com](http://www.geo-search.com)
- 888-396-0042

**Order Information:**
- Order# 120713
- Job# 275417

---

**Translation:**
- **GWCC**: Global Wastewater Collection Centers
- **HISTGWCC**: Historical Global Wastewater Collection Centers
- **LANDAPP**: Land Application Practices
- **LIENS**: Liens
- **MSD**: Military Housing Development
- **NOV**: Notice of Violation
- **SIEC01**: Site Identification and Environmental Data Collection
- **SPILLS**: Spills
- **TIERII**: Tier II
- **DCR**: Distance Calculation Reference
- **IHW**: Initial Hazardous Waste
- **PIHW**: Potential Initial Hazardous Waste
- **PST**: Potential Site Threats
- **APAR**: Area Protection Assurance
- **BSA**: Base Station Area
- **CALF**: Contaminated Area Landfill
- **DCRPS**: Distance Calculation Reference Points
- **IOP**: Initial Underground Operations
- **LPST**: Landfill Site Threats
- **MSWLF**: Municipal Solid Waste Landfills
- **RRCVCP**: Recycling and Conservation
- **RWS**: Remote Wastewater System
- **STCV**: Site Contamination Verification
- **VCP**: Voluntary Clean-up Program
- **WMRF**: Waste Management Restoration Fund
- **IHCA**: Initial Hazardous Waste Characterization
- **SF**: Site Facility
TRIBAL LISTING

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<th>1 Mile (&gt; 1/2)</th>
<th>&gt; 1 Mile</th>
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<td>INDIANRES</td>
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NOTES:

**NS** = NOT SEARCHED
**TP/AP** = TARGET PROPERTY/ADJACENT PROPERTY
### Located Sites Summary

*Note: Standard environmental records are displayed in **bold**.*

<table>
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<tr>
<th>Map ID#</th>
<th>Database Name</th>
<th>Site ID#</th>
<th>Relative Elevation</th>
<th>Distance From Site</th>
<th>Site Name</th>
<th>Address</th>
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<td>0.007 mi. ENE</td>
<td>BOSIN AVIATION</td>
<td>MIDLAND AIR, MIDLAND, TX 79705</td>
<td>17</td>
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<td>0.007 mi. ENE</td>
<td>MIDLAND AIRPARK</td>
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<td>18</td>
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<td>APAR</td>
<td>1005</td>
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<td>0.222 mi. NNW</td>
<td>HATFIELD ADDITION,</td>
<td>4415 N GARFIELD ST, MIDLAND, TX 79705</td>
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<td>DCR</td>
<td>RN100570324</td>
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<td>ADCOCKS CLEANERS</td>
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<td>7 ELEVEN 57816</td>
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<td>3</td>
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<td>SECTION 4, LOT 1A, BLOCK 2</td>
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</tbody>
</table>
Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC.

**Target Property Elevation: 2802 ft.**  
**NOTE:** Standard environmental records are displayed in **bold**.

### EQUAL/HIGHER ELEVATION

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<th>Map ID#</th>
<th>Database Name</th>
<th>Elevation</th>
<th>Site Name</th>
<th>Address</th>
<th>Page #</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>APAR</td>
<td>2,804 ft.</td>
<td>HATFIELD ADDITION, SECTION 4, 4415 N GARFIELD ST, MIDLAND, TX 79705</td>
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<tr>
<td>3</td>
<td>DCR</td>
<td>2,804 ft.</td>
<td>ADCOCKS CLEANERS 4415 N GARFIELD ST, MIDLAND, TX 79705</td>
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<td>DCRPS</td>
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<td>ADCOCK’S CLEANERS 4415 N GARFIELD ST, MIDLAND, TX 79705</td>
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<td>2,804 ft.</td>
<td>MASTER CLEANERS 4415 N GARFIELD ST, MIDLAND, TX 79705</td>
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<td>VCP</td>
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### LOWER ELEVATION

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<td>1</td>
<td>FRSTX</td>
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<td>BOSIN AVIATION MIDLAND AIR, MIDLAND, TX 79705</td>
<td>17</td>
<td></td>
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<td>2,797 ft.</td>
<td>MIDLAND AIRPARK 901 VETERANS AIRPARK LN, MIDLAND, TX 79705</td>
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<tr>
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<td>2,797 ft.</td>
<td>MIDLAND AIRPARK UNKNOWN, MIDLAND, TX</td>
<td>19</td>
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<tr>
<td>1</td>
<td>PST</td>
<td>2,797 ft.</td>
<td>BOSIN AVIATION MIDLAND AIR, MIDLAND, TX 79705</td>
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<td>2</td>
<td>LPST</td>
<td>2,800 ft.</td>
<td>MIDLAND COLLEGE 3600 N GARFIELD ST, MIDLAND, TX</td>
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</tr>
<tr>
<td>2</td>
<td>PST</td>
<td>2,800 ft.</td>
<td>MIDLAND COLLEGE 3600 N GARFIELD ST, MIDLAND, TX 79705</td>
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MAP ID# 1
Distance from Property: 0.007 mi. (37 ft.) ENE
Elevation: 2,797 ft. (Lower than TP)

FACILITY INFORMATION
REGISTRY ID: 110033493191
NAME: BOSIN AVIATION
LOCATION ADDRESS: MIDLAND AIR
MIDLAND, TX 79705
COUNTY: MIDLAND
EPA REGION: 06
FEDERAL FACILITY: NOT REPORTED
TRIBAL LAND: NOT REPORTED
ALTERNATIVE NAME(S):
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY
PROGRAM/S LISTED FOR THIS FACILITY
TX-TCEQ ACR - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY
STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED
NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary
Facility Registry System (FRSTX)

MAP ID# 1

Distance from Property: 0.007 mi. (37 ft.) ENE
Elevation: 2,797 ft. (Lower than TP)

FACILITY INFORMATION
REGISTRY ID:  110034849500
NAME:  MIDLAND AIRPARK
LOCATION ADDRESS:  901 VETERANS AIRPARK LN
                   MIDLAND, TX 79705-4418
COUNTY:  MIDLAND
EPA REGION:  06
FEDERAL FACILITY:  NOT REPORTED
TRIBAL LAND:  NOT REPORTED
ALTERNATIVE NAME/S:  NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY
PROGRAM/S LISTED FOR THIS FACILITY
   TX-TCEQ ACR - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY
STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
   4581 - AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES
NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
   NO NAICS DATA REPORTED

Back to Report Summary
MAP ID# 1
Distance from Property: 0.007 mi. (37 ft.) ENE
Elevation: 2,797 ft. (Lower than TP)

FACILITY INFORMATION
REGISTRY ID: 110038068248
NAME: MIDLAND AIRPARK
LOCATION ADDRESS: UNKNOWN
MIDLAND, TX
COUNTY: MIDLAND
EPA REGION: 06
FEDERAL FACILITY: NOT REPORTED
TRIBAL LAND: NOT REPORTED
ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
EIS - EIS

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
4581 - AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
48811 - AIRPORT OPERATIONS
48811 - AIRPORT OPERATIONS
48811 - AIRPORT OPERATIONS

Back to Report Summary
Distance from Property: 0.007 mi. (37 ft.) ENE
Elevation: 2,797 ft. (Lower than TP)

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<th>CONTACT INFORMATION</th>
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<td>ID#: 57476</td>
<td>NAME: LORI WINTER</td>
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<td>NAME: BOSIN AVIATION</td>
<td>TITLE: MGR</td>
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<td>ADDRESS: MIDLAND AIR</td>
<td>ORGANIZATION: BOSIN AVIATION</td>
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<td>MIDLAND, TX 79705</td>
<td>MAIL ADDRESS: MAILING ADDRESS NOT REPORTED</td>
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<td>PHONE: (915) 6857000 0</td>
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<td>NUMBER OF ACTIVE ABOVEGROUND TANKS: 3</td>
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<td>APPLICATION INFORMATION:</td>
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<td>SIGNATURE NAME &amp; TITLE: KEITH OLIVER, AUDITOR</td>
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<td>ENFORCEMENT ACTION DATE: NOT REPORTED</td>
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<td>NAME: WEST TEXAS GAS INC</td>
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<td>ORGANIZATION: NOT REPORTED</td>
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<td>FAX: NOT REPORTED</td>
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<td>EMAIL: NOT REPORTED</td>
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| OPERATOR                                           |                     |
| NO OPERATOR INFORMATION REPORTED                   |                     |

| SELF-CERTIFICATION                                |                     |
| NO SELF-CERTIFICATION INFORMATION REPORTED-       |                     |

| CONSTRUCTION NOTIFICATION                         |                     |
| NO CONSTRUCTION NOTIFICATION DATA REPORTED FOR THIS FACILITY |                     |

| UNDERGROUND STORAGE TANK                           |                     |
| NO UNDERGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY |                     |

| ABOVEGROUND STORAGE TANK INFORMATION               |                     |
Petroleum Storage Tanks (PST)

AST ID #: 163006  MULTIPLE COMPARTMENT FLAG: NO
TANK ID: 05205  REGISTRATION DATE: 01/31/1991
INSTALLATION DATE: 08/31/1989  STATUS BEGIN DATE: 08/31/1989
TANK CAPACITY (GAL): 11700  REGULATORY STATUS: FULLY REGULATED
STATUS: IN USE  SUBSTANCES: AVIATION GASOLINE

MATERIAL OF CONSTRUCTION
STEEL: YES  CORRUGATED METAL: NO
FIBERGLASS: NO  CONCRETE: NO
ALUMINIUM: NO

CONTAINMENT
EARTHEN DIKE: NO  CONCRETE: NO
CONTAINMENT LINER: NO  NONE: NO
STAGE I VAPOR RECOVERY: NOT REPORTED
STAGE I INSTALLATION DATE: NOT REPORTED

AST ID #: 163005  MULTIPLE COMPARTMENT FLAG: NO
TANK ID: 05206  REGISTRATION DATE: 01/31/1991
INSTALLATION DATE: 08/31/1989  STATUS BEGIN DATE: 08/31/1989
TANK CAPACITY (GAL): 7895  REGULATORY STATUS: FULLY REGULATED
STATUS: IN USE  SUBSTANCES: AVIATION GASOLINE

MATERIAL OF CONSTRUCTION
STEEL: YES  CORRUGATED METAL: NO
FIBERGLASS: NO  CONCRETE: NO
ALUMINIUM: NO

CONTAINMENT
EARTHEN DIKE: NO  CONCRETE: NO
CONTAINMENT LINER: NO  NONE: NO
STAGE I VAPOR RECOVERY: NOT REPORTED
STAGE I INSTALLATION DATE: NOT REPORTED

AST ID #: 163007  MULTIPLE COMPARTMENT FLAG: NO
TANK ID: 05207  REGISTRATION DATE: 01/31/1991
INSTALLATION DATE: 08/31/1989  STATUS BEGIN DATE: 08/31/1989
TANK CAPACITY (GAL): 11700  REGULATORY STATUS: FULLY REGULATED
STATUS: IN USE  SUBSTANCES: AVIATION GASOLINE

MATERIAL OF CONSTRUCTION
STEEL: YES  CORRUGATED METAL: NO
FIBERGLASS: NO  CONCRETE: NO
ALUMINIUM: NO

CONTAINMENT
EARTHEN DIKE: NO  CONCRETE: NO
CONTAINMENT LINER: NO  NONE: NO
STAGE I VAPOR RECOVERY: NOT REPORTED
STAGE I INSTALLATION DATE: NOT REPORTED

Back to Report Summary
MAP ID# 2
Distance from Property: 0.174 mi. (919 ft.) ESE
Elevation: 2,800 ft. (Lower than TP)

FACILITY INFORMATION
GEOSEARCH ID: 098079
LPST ID: 098079
FACILITY ID: 0037177
NAME: MIDLAND COLLEGE
ADDRESS: 3600 N GARFIELD ST
MIDLAND, TX

LEAKING TANK DETAILS
LPST ID: 098079
NAME: MIDLAND COLLEGE
FACILITY LOCATION: NOT REPORTED
PRIORITY CODE: 4.1 - GW IMPACTED NO APPARENT THREATS OR IMPACTS TO RECEPTORS
CORRECTIVE ACTION STATUS CODE: 6A - FINAL CONCURRENCE ISSUED
CORRECTIVE ACTION START DATE: 2/25/91
REPORTED DATE: 2/22/1991
ENTERED DATE: 2/25/1991

PRP INFORMATION
NAME: MIDLAND COLLEGE
ADDRESS: ADDRESS NOT REPORTED
MIDLAND TX 79705
CONTACT: NOT REPORTED
PHONE: NOT REPORTED

UNDERGROUND STORAGE TANK
NO UNDERGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY

ABOVEGROUND STORAGE TANK INFORMATION
NO ABOVEGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY

Back to Report Summary
## FACILITY INFORMATION

- **ID#:** 37177
- **NAME:** MIDLAND COLLEGE
- **ADDRESS:** 3600 N GARFIELD ST
  MIDLAND, TX  79705
- **COUNTY:** MIDLAND
- **REGION:** 7
- **TYPE:** UNKNOWN
- **BEGIN DATE:** 12/30/1986
- **STATUS:** INACTIVE
- **EXEMPT STATUS:** NO
- **NUMBER OF ACTIVE UNDERGROUND TANKS:** 0
- **NUMBER OF ACTIVE ABOVEGROUND TANKS:** 0

## CONTACT INFORMATION

- **NAME:** NOT REPORTED
- **TITLE:** NOT REPORTED
- **ORGANIZATION:** MIDLAND COLLEGE
- **MAIL ADDRESS:** MAILING ADDRESS NOT REPORTED
  CITY NOT REPORTED
- **PHONE:** (915) 6854570

## APPLICATION INFORMATION

- **RECEIVED DATE ON EARLIEST REGISTRATION FORM:** 05/08/1986
- **SIGNATURE DATE ON EARLIEST REGISTRATION FORM:** 04/17/1986
- **SIGNATURE NAME & TITLE:** JOHN HOHENBERGER, LDIR. OF MAINT.
- **ENFORCEMENT ACTION DATE:** NOT REPORTED

## OWNER

- **OWNER NUMBER:** CN601006174
- **NAME:** MIDLAND COLLEGE
- **CONTACT ADDRESS:** OWNER ADDRESS NOT REPORTED
  CITY NOT REPORTED
- **TYPE:** OTHER GOVERNMENT
- **BEGIN DATE:** 12/30/1986
- **CONTACT ROLE:** NOT REPORTED
- **CONTACT NAME:** NOT REPORTED
- **CONTACT TITLE:** NOT REPORTED
- **ORGANIZATION:** NOT REPORTED
- **PHONE:** NOT REPORTED
- **FAX:** NOT REPORTED
- **EMAIL:** NOT REPORTED

## OPERATOR

- **OPERATOR NUMBER:** CN601006174
- **NAME:** MIDLAND COLLEGE
- **CONTACT ADDRESS:** 3600 N GARFIELD ST
  MIDLAND TX  79705
- **TYPE:** OTHER GOVERNMENT
- **BEGIN DATE:** 12/30/1986
- **CONTACT ROLE:** OPRCON
- **CONTACT NAME:** KEN RILEY
- **CONTACT TITLE:** MANAGER
ORGANIZATION: MIDLAND COLLEGE
PHONE: (432) 6854569 0
FAX: (432) 6854687
EMAIL: NOT REPORTED

SELF-CERTIFICATION
-NO SELF-CERTIFICATION INFORMATION REPORTED-

CONSTRUCTION NOTIFICATION
NO CONSTRUCTION NOTIFICATION DATA REPORTED FOR THIS FACILITY

UNDERGROUND STORAGE TANK

TANK ID: 1
NUMBER OF COMPARTMENTS: 1
INSTALLATION DATE: 10/01/1975
REGISTRATION DATE: 05/08/1986
TANK CAPACITY (GAL): 8000
EMPTY TANK: NOT EMPTY
STATUS: REMOVED FROM GROUND
STATUS BEGIN DATE: 02/28/1998
INTERNAL PROTECTION DATE: NOT REPORTED
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN SINGLE WALL: YES
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN SINGLE WALL: YES
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS

MATERIAL:
COMPOSITE

COMPOSITE TANK (STEEL W/FRP EXTERNAL LAMINATE)

EXTERNAL CONTAINMENT:
NOT REPORTED

TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS

UST COMPARTMENT ID: 95362
TANK ID: 1
COMPARTMENT LETTER: A
SUBSTANCES: DIESEL
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 8000
COMPARTMENT RELEASE DETECTION: VAPOR MONITORING
SPILL CONTAINMENT AND OVERFILL PREVENTION: DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS

MATERIAL: STEEL

CORROSION PROTECTION: NOT REPORTED
EXTERNAL CONTAINMENT: NOT REPORTED,
CONNECTORS & VALVES:
NOT REPORTED

PIPING RELEASE DETECTION:
NOT REPORTED

PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: NO
CORROSION PROTECTION VARIANCE: NO VARIANCE
TANK ID: 2
INSTALLATION DATE: 10/01/1975
TANK CAPACITY (GAL): 4000
STATUS: REMOVED FROM GROUND
INTERNAL PROTECTION DATE: NOT REPORTED
TANK DESIGN SINGLE WALL: YES
PIPE DESIGN SINGLE WALL: YES
NUMBER OF COMPARTMENTS: 1
REGISTRATION DATE: 05/08/1986
EMPTY TANK: NOT EMPTY
STATUS BEGIN DATE: 10/19/1990
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
STEEL
CORROSION PROTECTION:
NOT REPORTED
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: NO
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 95363
TANK ID: 2
COMPARTMENT LETTER: A
SUBSTANCES: DIESEL
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 4000
COMPARTMENT RELEASE DETECTION: VAPOR MONITORING
SPILL CONTAINMENT AND OVERFILL PREVENTION: DELIVERY SHUT-OFF VALVE, FLOW RESTRICTOR VALUE

PIPING SYSTEMS
MATERIAL: STEEL
CORROSION PROTECTION: NOT REPORTED
EXTERNAL CONTAINMENT: NOT REPORTED
CONNECTORS & VALVES: NOT REPORTED
PIPING RELEASE DETECTION:
VAPOR MONITORING
PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: NO
CORROSION PROTECTION VARIANCE: NO VARIANCE

ABOVEGROUND STORAGE TANK INFORMATION
NO ABOVEGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY

Back to Report Summary
Distance from Property: 0.222 mi. (1,172 ft.) NNW
Elevation: 2,804 ft. (Higher than TP)

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<th>FACILITY INFORMATION</th>
<th>CONTACTS</th>
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<tr>
<td>ADDRESS: 4415 N GARFIELD ST</td>
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<tr>
<td>MIDLAND, TX 79705</td>
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<tr>
<td>COUNTY: MIDLAND</td>
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<tr>
<td>LOCATION DESCRIPTION: 4415 NORTH GARFIELD STREET</td>
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<td>TYPE OF FACILITY: DRY CLEANER</td>
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<td>FACILITY STATUS: TRANSFERRED TO DCRP</td>
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<td>PROGRAM: VOLUNTARY CLEANUP</td>
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<td>DATE</td>
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<td>TETRACHLOROETHYLENE</td>
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<td>11/05/01</td>
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<td>11/05/01</td>
<td>PETROLEUM (BTEX)</td>
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</table>

Back to Report Summary
MAP ID# 3

Distance from Property: 0.222 mi. (1,172 ft.) NNW
Elevation: 2,804 ft. (Higher than TP)

FACILITY INFORMATION
REGISTRATION #: RN100570324
CUSTOMER #: CN605456284
NAME: ADCOCKS CLEANERS
ADDRESS: 4415 N GARFIELD ST
        MIDLAND, TX 79705
ACCOUNT NUMBER: 24,007,717
PRINCIPAL NAME: MCLS INVESTMENTS INC
PHONE NUMBER: 432-6846697
SITE TYPE: DROP STATION REGISTRATION
FISCAL YEAR: FY2018
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2017
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2017
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2016
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2016
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2015
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2014
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2013
SOLVENT: NOT REPORTED
QUANTITY: NOT REPORTED

FISCAL YEAR: FY2012
SOLVENT: NOT REPORTED
MAP ID# 3

Distance from Property: 0.222 mi. (1,172 ft.) NNW
Elevation: 2,804 ft. (Higher than TP)

DCRP ID: DC0195
RN NUMBER: 100570324
NAME: ADCOCK'S CLEANERS
ADDRESS: 4415 N GARFIELD ST
          MIDLAND, TX
CORRECTIVE ACTION STATUS: ASSESSMENT
PRIORITY STATUS: POSTPONED
RANKING SCORE: 450
TCEQ PROJECT MANAGER: RICHARD PELTIER

Back to Report Summary
### Facility Information

**Registration #:** 68411  
**EPA ID:** TXD981522196  
**TNRCC #:** 23359  
**Name:** Master Cleaners  
**Address:** PO Box 50172  
**Contact:** Not Reported  
**Phone:** 432-6826093  
**Business Description:** Not Reported  
**Industrial Waste Permit #:** Not Reported  
**Municipal Waste Permit #:** Not Reported  
**SIC Code:** Not Reported  
**Waste Generator:** Yes  
**Waste Receiver:** No  
**Waste Transporter:** No  
**Transfer Facility:** No  
**Maquiladora (Mexican Facility):** No  
**Status:** Inactive  
**Amount of Waste Generated:** Small Quantity Generator  
**Generator Type:** Not Reported  
**This Facility is a Notifier:**  
**This Facility is Not a Steers Reporter - (State of Texas Environmental Electronic Reporting System):**  
**This Facility is Not Required to Submit an Annual Waste Summary Report:**  
**This Facility is Not Involved in Recycling Activities:**  
**Last Update to TRACS (TCEQ Regulatory Activities and Compliance System):** 05/22/2007

### Owner Information

**Name:** Gaimar Inc  
**Address:** PO Box 50172  
**Phone:** 1-915-6826032  
**Address:** 4415 N Garfield St  
**City:** Midland  
**State:** TX  
**Zip:** 79705

### Activities

**Activity Type:** Unknown  
**Activity Description:** Not Reported

### Waste

**Waste ID:** 162397  
**Waste Code Status:** Active  
**Waste is Radioactive:** No  
**Waste is Treated Off Site:** No  
**Generator's Description of Waste:** Dry Cleaner Bottoms.

**Waste ID:** 162398  
**Waste Code Status:** Active  
**Waste is Radioactive:** No  
**Waste is Treated Off Site:** No  
**Generator's Description of Waste:** Dry Cleaner Filters

**Waste ID:** 47950  
**Waste Code Status:** Inactive  
**Waste is Radioactive:** No  
**Waste is Treated Off Site:** No
Industrial and Hazardous Waste Sites (IHW)

GENERATOR'S DESCRIPTION OF WASTE: NOT REPORTED

Back to Report Summary
### Industrial and Hazardous Waste Corrective Action Sites (IHWCA)

**MAP ID# 3**  
Distance from Property: 0.222 mi. (1,172 ft.) NNW  
Elevation: 2,804 ft. (Higher than TP)

**PROGRAM ID:** 68411  
**RN NUMBER:** RN100570324  
**NAME:** ADCOCKS CLEANERS  
**ADDRESS:** 4415 N GARFIELD ST  
MIDLAND, TX 79705  
**STATUS:** INACTIVE  
**STATUS DATE:** 6/28/2011  
**PHASE:** COMPLETED WORKLOAD  
**LOCATION DESCRIPTION:**  
4415 N GARFIELD, MIDLAND, TX

[Back to Report Summary]
Leaking Petroleum Storage Tanks (LPST)

MAP ID# 3
Distance from Property: 0.222 mi. (1,172 ft.) NNW
Elevation: 2,804 ft. (Higher than TP)

FACILITY INFORMATION
GEOSEARCH ID: 100851
LPST ID: 100851
FACILITY ID: 0039594
NAME: 7 ELEVEN 57816 FORMER STOP GO
ADDRESS: 4415 N GARFIELD ST
MIDLAND, TX

LEAKING TANK DETAILS
LPST ID: 100851
NAME: 7 ELEVEN 57816 FORMER STOP GO
FACILITY LOCATION: NOT REPORTED
PRIORITY CODE: 3.5 - A DESIGNATED MAJOR OR MINOR AQUIFER IS IMPACTED
CORRECTIVE ACTION STATUS CODE: 6A - FINAL CONCURRENCE ISSUED
CORRECTIVE ACTION START DATE: 12/3/91
REPORTED DATE: 10/30/1991
ENTERED DATE: 12/3/1991

PRP INFORMATION
NAME: 7-ELEVEN INC
ADDRESS: ADDRESS NOT REPORTED
COPPELL TX 75019
CONTACT: NOT REPORTED
PHONE: NOT REPORTED

UNDERGROUND STORAGE TANK
TANK ID: 1
NUMBER OF COMPARTMENTS: 1
INSTALLATION DATE: 01/01/1984
REGISTRATION DATE: 05/08/1986
TANK CAPACITY (GAL): 10000
EMPTY TANK: NOT EMPTY
STATUS: IN USE
STATUS BEGIN DATE: 01/01/1984
INTERNAL PROTECTION DATE: NOT REPORTED
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN SINGLE WALL: YES
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN SINGLE WALL: YES
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE
COMPARTMENT DETAILS

www.geo-search.com  888-396-0042
Leaking Petroleum Storage Tanks (LPST)

UST COMPARTMENT ID: 155508
TANK ID: 1
COMPARTMENT LETTER: A
SUBSTANCES: GASOLINE
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 10000
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT

SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL: FRP
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT: NOT REPORTED
CONNECTORS & VALVES:

NOT REPORTED
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

TANK ID: 2
NUMBER OF COMPARTMENTS: 1
INSTALLATION DATE: 01/01/1984
REGISTRATION DATE: 05/08/1986
TANK CAPACITY (GAL): 10000
EMPTY TANK: NOT EMPTY
STATUS: IN USE
STATUS BEGIN DATE: 01/01/1984
INTERNAL PROTECTION DATE: NOT REPORTED
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN SINGLE WALL: YES
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN SINGLE WALL: YES
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 155507
TANK ID: 2
COMPARTMENT LETTER: A
SUBSTANCES: GASOLINE
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 10000
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE
PIPING SYSTEMS
MATERIAL:  FRP
CORROSION PROTECTION:  FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:  NOT REPORTED
CONNECTORS & VALVES:  NOT REPORTED
CORROSION PROTECTION:  FRP TANK OR PIPING (NONCORRODIBLE)
PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG:  YES
CORROSION PROTECTION VARIANCE:  NO VARIANCE
TANK ID:  3  NUMBER OF COMPARTMENTS:  1
INSTALLATION DATE:  01/01/1984  REGISTRATION DATE:  05/08/1986
TANK CAPACITY (GAL):  10000  EMPTY TANK:  NOT EMPTY
STATUS:  IN USE  STATUS BEGIN DATE:  01/01/1984
INTERNAL PROTECTION DATE:  NOT REPORTED  REGULATORY STATUS:  FULLY REGULATED
TANK DESIGN SINGLE WALL:  YES  TANK DESIGN DOUBLE WALL:  NO
PIPE DESIGN SINGLE WALL:  YES  PIPE DESIGN DOUBLE WALL:  NO

TANK DETAILS
MATERIAL:  FRP
CORROSION PROTECTION:  FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:  NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG:  YES
CORROSION PROTECTION VARIANCE:  NO VARIANCE
COMPARTMENT DETAILS
UST COMPARTMENT ID:  155510
TANK ID:  3
COMPARTMENT LETTER:  A
SUBSTANCES:  GASOLINE
OTHER SUBSTANCES:  NOT REPORTED
CAPACITY (GAL):  10000
COMPARTMENT RELEASE DETECTION:  AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION:  TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP,FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP,DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL:  FRP
CORROSION PROTECTION:  FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:  NOT REPORTED
CONNECTORS & VALVES:  NOT REPORTED
CORROSION PROTECTION:  FRP TANK OR PIPING (NONCORRODIBLE)
PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG:  YES
Leaking Petroleum Storage Tanks (LPST)

CORROSION PROTECTION VARIANCE: NO VARIANCE

TANK ID: 4 NUMBER OF COMPARTMENTS: 1
INSTALLATION DATE: 01/01/1984 REGISTRATION DATE: 05/08/1986
TANK CAPACITY (GAL): 10000 EMPTY TANK: EMPTY
STATUS: TEMP OUT OF SERVICE STATUS BEGIN DATE: 08/27/2008
INTERNAL PROTECTION DATE: NOT REPORTED REGULATORY STATUS: FULLY REGULATED
TANK DESIGN SINGLE WALL: YES TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN SINGLE WALL: YES PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 155509
TANK ID: 4
COMPARTMENT LETTER: A
SUBSTANCES: EMPTY
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): NOT REPORTED
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL: FRP
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
CONNECTORS & VALVES:
NOT REPORTED
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
PNEU CORROSION COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

ABOVEGROUND STORAGE TANK INFORMATION
NO ABOVEGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY

Back to Report Summary
### FACILITY INFORMATION
- **ID#:** 39594
- **NAME:** 7 ELEVEN 57816
- **ADDRESS:** 4415 N GARFIELD ST, MIDLAND, TX 79705
- **COUNTY:** MIDLAND
- **REGION:** 7
- **TYPE:** RETAIL
- **BEGIN DATE:** 01/01/1984
- **STATUS:** ACTIVE
- **EXEMPT STATUS:** NO
- **NUMBER OF ACTIVE UNDERGROUND TANKS:** 4
- **NUMBER OF ACTIVE ABOVEGROUND TANKS:** 0

### APPLICATION INFORMATION:
- **RECEIVED DATE ON Earliest REGISTRATION FORM:** 09/14/2018
- **SIGNATURE DATE ON Earliest REGISTRATION FORM:** 09/12/2018
- **SIGNATURE NAME & TITLE:** MARK A OWENS, AUTH AGENT
- **ENFORCEMENT ACTION DATE:** NOT REPORTED

### OWNER
- **OWNER NUMBER:** CN601563778
- **NAME:** SOUTHWEST CONVENIENCE STORES LLC
- **ADDRESS:** 4001 PENBROOK ST STE 400, ODESSA TX 79762
- **TYPE:** CORPORATION/COMPANY
- **BEGIN DATE:** 01/01/1997
- **CONTACT ROLE:** OWNOPRCON
- **CONTACT NAME:** SCOTT PRALL
- **CONTACT TITLE:** FUEL MANAGER
- **ORGANIZATION:** SOUTHWEST CONVENIENCE STORES LLC
- **PHONE:** (432) 4386241 0
- **FAX:** NOT REPORTED
- **EMAIL:** SEPRALL@SCSTORES.COM

### OPERATOR
- **OPERATOR NUMBER:** CN601563778
- **NAME:** SOUTHWEST CONVENIENCE STORES LLC
- **ADDRESS:** 4001 PENBROOK ST STE 400, ODESSA TX 79762
- **TYPE:** CORPORATION/COMPANY
- **BEGIN DATE:** 01/01/1997
- **CONTACT ROLE:** OWNOPRCON
- **CONTACT NAME:** SCOTT PRALL
- **CONTACT TITLE:** FUEL MANAGER

---

**Distance from Property:** 0.222 mi. (1,172 ft.) NNW
**Elevation:** 2,804 ft. (Higher than TP)
Petroleum Storage Tanks (PST)

ORGANIZATION: SOUTHWEST CONVENIENCE STORES LLC
PHONE: (432) 438-6241 0
FAX: NOT REPORTED
EMAIL: SEPRALL@SCSTORES.COM

SELF-CERTIFICATION
SELF-CERTIFICATION ID: 309968
SIGNATURE DATE: 09/12/2018
SIGNATURE NAME & TITLE: MARK OWENS, AUTH AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 294222
SIGNATURE DATE: 09/08/2017
SIGNATURE NAME & TITLE: MARK OWENS, AUTH AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 276842
SIGNATURE DATE: 09/05/2016
SIGNATURE NAME & TITLE: MARK OWENS, AUTH AG
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 260032
SIGNATURE DATE: 09/04/2015
SIGNATURE NAME & TITLE: MARK OWENS, AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 243507
SIGNATURE DATE: 09/16/2014
SIGNATURE NAME & TITLE: MARK A OWENS, AUTH AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 227342
SIGNATURE DATE: 09/16/2013
SIGNATURE NAME & TITLE: MARK A OWENS, AUTH AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159949
SIGNATURE DATE: 08/31/2012
SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159948
SIGNATURE DATE: 08/31/2011
SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159947
SIGNATURE DATE: 08/27/2010
Petroleum Storage Tanks (PST)

SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159946
SIGNATURE DATE: 08/24/2009
SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159945
SIGNATURE DATE: 09/26/2008
SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159944
SIGNATURE DATE: 09/15/2007
SIGNATURE NAME & TITLE: MARK A OWENS, AUTHORIZED AGENT
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159943
SIGNATURE DATE: 09/30/2006
SIGNATURE NAME & TITLE: A W WRINKLE, DIR OF BUSINESS DEVE
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159941
SIGNATURE DATE: 09/30/2004
SIGNATURE NAME & TITLE: DAVID BOUTIN, DIR OF OPS
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159940
SIGNATURE DATE: 09/30/2003
SIGNATURE NAME & TITLE: DAVID BOUTIN, DIR OF OPER
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159939
SIGNATURE DATE: 10/01/2002
SIGNATURE NAME & TITLE: DAVID BOUTIN, NOT REPORTED
FILING STATUS: RENEWAL
REGISTRATION FLAG: YES
SELF-CERTIFICATION ID: 159938
SIGNATURE DATE: 01/19/2001
SIGNATURE NAME & TITLE: DAVID BOUTIN, DIR
FILING STATUS: INITIAL
**Petroleum Storage Tanks (PST)**

**REGISTRATION FLAG:** YES

**CONSTRUCTION NOTIFICATION**

NO CONSTRUCTION NOTIFICATION DATA REPORTED FOR THIS FACILITY

**UNDERGROUND STORAGE TANK**

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<td>STATUS:</td>
<td>IN USE</td>
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<tr>
<td>INTERNAL PROTECTION DATE</td>
<td>NOT REPORTED</td>
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<td>REGISTRATION DATE</td>
<td>05/08/1986</td>
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<tr>
<td>EMPTY TANK:</td>
<td>NOT EMPTY</td>
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<tr>
<td>INSTALLATION DATE</td>
<td>01/01/1984</td>
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<td>TANK DESIGN SINGLE WALL:</td>
<td>YES</td>
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<tr>
<td>PIPE DESIGN DOUBLE WALL:</td>
<td>NO</td>
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<td>REGISTRATION DATE</td>
<td>05/08/1986</td>
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<td>TANK DESIGN DOUBLE WALL:</td>
<td>NO</td>
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<tr>
<td>PIPE DESIGN SINGLE WALL:</td>
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**TANK DETAILS**

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<th>MATERIAL:</th>
<th>FRP</th>
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<tbody>
<tr>
<td>CORROSION PROTECTION:</td>
<td>FRP TANK OR PIPING (NONCORRODIBLE)</td>
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<td>EXTERNAL CONTAINMENT:</td>
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<td>CORROSION PROTECTION COMPLIANCE FLAG:</td>
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<tr>
<td>CORROSION PROTECTION VARIANCE:</td>
<td>NO VARIANCE</td>
</tr>
</tbody>
</table>

**COMPARTMENT DETAILS**

<table>
<thead>
<tr>
<th>UST COMPARTMENT ID:</th>
<th>155508</th>
</tr>
</thead>
<tbody>
<tr>
<td>TANK ID:</td>
<td>1</td>
</tr>
<tr>
<td>COMPARTMENT LETTER:</td>
<td>A</td>
</tr>
<tr>
<td>SUBSTANCES:</td>
<td>GASOLINE</td>
</tr>
<tr>
<td>OTHER SUBSTANCES:</td>
<td>NOT REPORTED</td>
</tr>
<tr>
<td>CAPACITY (GAL):</td>
<td>10000</td>
</tr>
<tr>
<td>COMPARTMENT RELEASE DETECTION:</td>
<td>AUTOMATIC TANK GAUGE TEST &amp; INVENTORY CONTROL</td>
</tr>
<tr>
<td>SPILL CONTAINMENT AND OVERFILL PREVENTION:</td>
<td>TIGHT-FILL FITTING CONTAINER/BUCKET/ SUMP, FACTORY - BUILT</td>
</tr>
<tr>
<td>SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE</td>
<td></td>
</tr>
</tbody>
</table>

**PIPING SYSTEMS**

<table>
<thead>
<tr>
<th>MATERIAL:</th>
<th>FRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORROSION PROTECTION:</td>
<td>FRP TANK OR PIPING (NONCORRODIBLE)</td>
</tr>
<tr>
<td>EXTERNAL CONTAINMENT:</td>
<td>NOT REPORTED</td>
</tr>
<tr>
<td>CONNECTORS &amp; VALVES:</td>
<td>NOT REPORTED</td>
</tr>
<tr>
<td>NOT REPORTED</td>
<td></td>
</tr>
</tbody>
</table>

**SECOND TANK**

| TANK ID: | 2                                      |
| NUMBER OF COMPARTMENTS: | 1                                      |
| INSTALLATION DATE | 01/01/1984               |
| TANK CAPACITY (GAL): | 10000               |
| EMPTY TANK:    | NOT EMPTY    |
| INSTALLATION DATE | 01/01/1984               |
| TANK DESIGN DOUBLE WALL: | NO |
| PIPE DESIGN SINGLE WALL: | YES |
| REGISTRATION DATE | 05/08/1986               |
| TANK DESIGN SINGLE WALL: | YES |
| PIPE DESIGN DOUBLE WALL: | NO |

---

**Order# 120713    Job# 275417**
Petroleum Storage Tanks (PST)

STATUS: IN USE
INTERNAL PROTECTION DATE: NOT REPORTED
TANK DESIGN SINGLE WALL: YES
PIPE DESIGN SINGLE WALL: YES

STATUS BEGIN DATE: 01/01/1984
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 155507
TANK ID: 2
COMPARTMENT LETTER: A
SUBSTANCES: GASOLINE
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 10000
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL: FRP
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT: NOT REPORTED
CONNECTORS & VALVES:
NOT REPORTED
PIPING RELEASE DETECTION:
ANNUAL PIPING TIGHTNESS TEST / ANNUAL ELECTRONIC MONITORING (@ 0.1 GPH), AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)

PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

TANK ID: 3
INSTALLATION DATE: 01/01/1984
TANK CAPACITY (GAL): 10000
STATUS: IN USE
INTERNAL PROTECTION DATE: NOT REPORTED
TANK DESIGN SINGLE WALL: YES
PIPE DESIGN SINGLE WALL: YES
NUMBER OF COMPARTMENTS: 1
REGISTRATION DATE: 05/08/1986
EMPTY TANK: NOT EMPTY
STATUS BEGIN DATE: 01/01/1984
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 155510
TANK ID: 3
COMPARTMENT LETTER: A
SUBSTANCES: GASOLINE
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): 10000
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL: FRP
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT: NOT REPORTED
CONNECTORS & VALVES: NOT REPORTED
NOT REPORTED
PIPING RELEASE DETECTION:
ANNUAL PIPING TIGHTNESS TEST / ANNUAL ELECTRONIC MONITORING (@ 0.1 GPH), AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)
PIPE COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

TANK ID: 4
INSTALLATION DATE: 01/01/1984
TANK CAPACITY (GAL): 10000
STATUS: TEMP OUT OF SERVICE
INTERNAL PROTECTION DATE: NOT REPORTED
TANK DESIGN SINGLE WALL: YES
PIPE DESIGN SINGLE WALL: YES
NUMBER OF COMPARTMENTS: 1
REGISTRATION DATE: 05/08/1986
EMPTY TANK: EMPTY
STATUS BEGIN DATE: 08/27/2008
REGULATORY STATUS: FULLY REGULATED
TANK DESIGN DOUBLE WALL: NO
PIPE DESIGN DOUBLE WALL: NO

TANK DETAILS
MATERIAL:
FRP
CORROSION PROTECTION:
FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT:
NOT REPORTED
TANK COMPLIANCE FLAG
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE:  NO VARIANCE

COMPARTMENT DETAILS
UST COMPARTMENT ID: 155509
TANK ID: 4
COMPARTMENT LETTER: A
SUBSTANCES: EMPTY
OTHER SUBSTANCES: NOT REPORTED
CAPACITY (GAL): NOT REPORTED
COMPARTMENT RELEASE DETECTION: AUTOMATIC TANK GAUGE TEST & INVENTORY CONTROL
SPILL CONTAINMENT AND OVERFILL PREVENTION: TIGHT-FILL FITTING CONTAINER/BUCKET/SUMP, FACTORY - BUILT
SPILL CONTAINER/BUCKET/SUMP, DELIVERY SHUT-OFF VALVE

PIPING SYSTEMS
MATERIAL: FRP
CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE)
EXTERNAL CONTAINMENT: NOT REPORTED
CONNECTORS & VALVES: NOT REPORTED

PIPING RELEASE DETECTION:
ANNUAL PIPING TIGHTNESS TEST / ANNUAL ELECTRONIC MONITORING (@ 0.1 GPH), AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)

PIPE COMPLIANCE FLAG: YES
CORROSION PROTECTION COMPLIANCE FLAG: YES
CORROSION PROTECTION VARIANCE: NO VARIANCE

ABOVEGROUND STORAGE TANK INFORMATION
NO ABOVEGROUND STORAGE TANK DATA REPORTED FOR THIS FACILITY

Back to Report Summary
MAP ID# 3
Distance from Property: 0.222 mi. (1,172 ft.) NNW
Elevation: 2,804 ft. (Higher than TP)

SITE INFORMATION
ID#: 1005
NAME: HATFIELD ADDITION, SECTION 4, LOT 1A, BLOCK 2
ADDRESS: 4415 NORTH GARFIELD STREET
          MIDLAND TX 79705
ACRES: 0.613
FACILITY TYPE: DRY CLEANERS/LPST
APPLICATION DATE: 7/8/1999
DATE OF AGREEMENT: 11/22/1999
CERTIFICATE OF COMPLETION DATE: NOT REPORTED
TYPE OF CERTIFICATE ISSUED: NOT REPORTED
TYPE LEAD: SELLER
PHASE: TRANS/DCRP
MEDIA AFFECTED: SOILS/GROUNDWATER
TNRCC SOLID WASTE REGISTRATION #: NOT REPORTED
REMEDIY: UNKNOWN, SITE UNDER INVESTIGATION
INSTITUTIONAL CONTROL: NOT REPORTED
LPST #: 100851
EPA CERCLIS #: TXD981522196
EPA RCRIS #: NOT REPORTED
CONTAMINANT/S: PERC, PETROLEUM HYDROCARBONS

APPLICANT INFORMATION
ORGANIZATION: TEXAS TIERRA II, LTD.
MIKE, LEWIS, PRESIDENT OF REAL ESTAT
4055 INTERNATIONAL PLAZA, SUITE 400
FORT WORTH, TX, 76109
PHONE: 915-563-0786
FAX: 915-563-0388

CONSULTANT/ATTORNEY INFORMATION
ORGANIZATION: EE&G, INC.
MARK, OWENS, PRESIDENT
1612 NORTH SYLVANIA AVENUE
FORT WORTH, TX, 76111
PHONE: 817-838-0330
FAX: 817-838-7722

Back to Report Summary
Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

No Records Found
<table>
<thead>
<tr>
<th><strong>AIRSAFS</strong></th>
<th>Aerometric Information Retrieval System / Air Facility Subsystem</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 10/20/14</td>
<td></td>
</tr>
</tbody>
</table>

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

<table>
<thead>
<tr>
<th><strong>BRS</strong></th>
<th>Biennial Reporting System</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 12/31/15</td>
<td></td>
</tr>
</tbody>
</table>

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

<table>
<thead>
<tr>
<th><strong>CDL</strong></th>
<th>Clandestine Drug Laboratory Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 10/05/17</td>
<td></td>
</tr>
</tbody>
</table>

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

<table>
<thead>
<tr>
<th><strong>DOCKETS</strong></th>
<th>EPA Docket Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 12/22/05</td>
<td></td>
</tr>
</tbody>
</table>

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

<table>
<thead>
<tr>
<th><strong>EC</strong></th>
<th>Federal Engineering Institutional Control Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 08/03/15</td>
<td></td>
</tr>
</tbody>
</table>

This database includes site locations where Engineering and/or Institutional Controls have been identified as part
of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy
decision documents. A site listing does not indicate that the institutional and engineering controls are currently in
place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them
in the remedy is documented as of the completed date of the document. Institutional controls are actions, such
as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate
land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access,
exposure, or continued migration of contamination.

ECHOR06 Enforcement and Compliance History Information
VERSION DATE: 09/01/18

The EPA's Enforcement and Compliance History Online (ECHO) database, provides compliance and
enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act
stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous
waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release
Inventory releases.

ERNSTX Emergency Response Notification System
VERSION DATE: 10/28/18

This National Response Center database contains data on reported releases of oil, chemical, radiological,
biological, and/or etiological discharges into the environment anywhere in the United States and its territories.
The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the
National Response Center and/or the U.S. Department of Transportation.

FRSTX Facility Registry System
VERSION DATE: 10/09/18

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the
Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject
to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility
Index System or FINDS database.

HMIRSR06 Hazardous Materials Incident Reporting System
VERSION DATE: 09/30/18

The HMIRS database contains unintentional hazardous materials release information reported to the U.S.
Department of Transportation located in EPA Region 6. This region includes the following states: Arkansas,
Louisiana, New Mexico, Oklahoma, and Texas.

ICIS Integrated Compliance Information System (formerly DOCKETS)
VERSION DATE: 09/01/18
ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISNPDES  Integrated Compliance Information System National Pollutant Discharge Elimination System
VERSION DATE: 07/09/17

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

LUCIS  Land Use Control Information System
VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS  Material Licensing Tracking System
VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

NPDESR06  National Pollutant Discharge Elimination System
VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

PADS  PCB Activity Database System
VERSION DATE: 09/14/18
PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the U.S. Environmental Protection Agency of such activities.

**PCSR06  Permit Compliance System**

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

**RCRASC  RCRA Sites with Controls**

VERSION DATE: 11/21/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

**SEMSLIENS  SEMS Lien on Property**

VERSION DATE: 08/13/18

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

**SFLIENS  CERCLIS Liens**

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is
The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA region 6 includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.
The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA Region 6 includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.


This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS.

**MSHA**  
Mine Safety and Health Administration Master Index File  
VERSION DATE: 08/31/18

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA’s jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

**BF**  
Brownfields Management System  
VERSION DATE: 12/21/18

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

**DNPL**  
Delisted National Priorities List  
VERSION DATE: 11/14/18

This database includes sites from the United States Environmental Protection Agency’s Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

**NLRRCRAT**  
No Longer Regulated RCRA Non-CORRACTS TSD Facilities  
VERSION DATE: 12/17/18

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

**ODI**  
Open Dump Inventory  
VERSION DATE: 06/01/85
The open dump inventory was published by the United States Environmental Protection Agency. An “open dump” is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List BR Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.
The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.
This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

**NMS**  
Former Military Nike Missile Sites  
VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970’s. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**NPL**  
National Priorities List  
VERSION DATE: 11/14/18

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

**PNPL**  
Proposed National Priorities List  
VERSION DATE: 11/14/18

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

**RCRAC**  
Resource Conservation & Recovery Act - Corrective Action Facilities  
VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.
The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.
Environmental Records Definitions - STATE (TX)

GWCC       Groundwater Contamination Cases
VERSION DATE: 12/31/17

This is a Joint Groundwater Monitoring and Contamination Report provided by the Texas Commission on Environmental Quality (TCEQ). The annual report describes the status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report provides a general overview of groundwater monitoring by participating members on a program by program basis. Groundwater contamination is broadly defined in the report as any detrimental alteration of the naturally occurring quality of groundwater.

HISTGWCC  Historic Groundwater Contamination Cases
VERSION DATE: 12/31/15

This is a Joint Groundwater Monitoring and Contamination Report provided by the Texas Commission on Environmental Quality (TCEQ) that includes historic groundwater contamination cases reported since 1994. These cases have been closed by a program area or agency, such as the TCEQ, the Railroad Commission of Texas, and/or the Texas Alliance of Groundwater Districts. According to the TCEQ report, although enforcement actions may be closed on these cases, the Activity Status Code descriptions allow that groundwater contamination may still be present at the site and may therefore be of interest to regulatory agencies and the general public.

LANDAPP   Land Application Permits
VERSION DATE: 03/01/13

Texas Land Application Permits are a requirement from the Texas Commission on Environmental Quality for any domestic facility that disposes of treated effluent by land application such as surface irrigation, evaporation, drainfields or subsurface land application.

LIENS     TCEQ Liens
VERSION DATE: 06/06/18

Liens filed upon State and/or Federal Superfund Sites by the Texas Commission on Environmental Quality.

MSD       Municipal Setting Designations
VERSION DATE: 06/01/18

The Texas Commission on Environmental Quality (TCEQ) defines an MSD as an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level. The prohibition must be in the form of a city ordinance, or a restrictive covenant that is enforceable by the city and filed in the property records. The MSD property can be a single property, multi-property, or a portion of property.
<table>
<thead>
<tr>
<th><strong>Environmental Records Definitions - STATE (TX)</strong></th>
</tr>
</thead>
</table>

TCEQ Disclaimer: This data is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

<table>
<thead>
<tr>
<th><strong>NOV</strong> Notice of Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 02/24/16</td>
</tr>
</tbody>
</table>

This database containing Notice of Violations (NOV) is maintained by the Texas Commission on Environmental Quality. An NOV is a written notification that documents and communicates violations observed during an inspection to the business or individual inspected.

<table>
<thead>
<tr>
<th><strong>SIEC01</strong> State Institutional/Engineering Control Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 10/01/18</td>
</tr>
</tbody>
</table>

The Texas Risk Reduction Program (TRRP) requires the placement of institutional controls (e.g., deed notices or restrictive covenants) on affected property in different circumstances as part of completing a response action. In its simplest form, an institutional control (IC) is a legal document that is recorded in the county deed records. In certain circumstances, local zoning or ordinances can serve as an IC. This listing may also include locations where Engineering Controls are in effect, such as a cap, barrier, or other engineering device to prevent access, exposure, or continued migration of contamination. The sites included on this list are regulated by various programs of the Texas Commission on Environmental Quality (TCEQ).

<table>
<thead>
<tr>
<th><strong>SPILLS</strong> Spills Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 07/20/18</td>
</tr>
</tbody>
</table>

This Texas Commission on Environmental Quality database includes releases of hazardous or potentially hazardous materials into the environment.

<table>
<thead>
<tr>
<th><strong>TIERII</strong> Tier I I Chemical Reporting Program Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 12/31/12</td>
</tr>
</tbody>
</table>

The Texas Tier II Chemical Reporting Program in the Department of State Health Services (DSHS) is the state repository for EPCRA-required Emergency Planning Letters (EPLs), which are one-time notifications to the state from facilities that have certain extremely hazardous chemicals in specified amounts. The Program is also the state repository for EPCRA/state-required hazardous chemical inventory reports called Texas Tier Two Reports. This data contains those facility reports for the 2005 through the 2012 calendar years. Please contact the Texas Commission on Environmental Quality Tier II Chemical Reporting Division as the current source for this data, due to confidentiality and safety reasons details such as the location and capacity of on-site hazardous chemicals is only available to local emergency planning agencies, fire departments, and/or owners.

<table>
<thead>
<tr>
<th><strong>DCR</strong> Dry Cleaner Registration Database</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERSION DATE: 11/02/18</td>
</tr>
</tbody>
</table>

**GeoSearch**  
www.geo-search.com  888-396-0042  
Order# 120713  Job# 275417
The database includes dry cleaning drop stations and facilities registered with the Texas Commission on Environmental Quality.

**IHW**

**Industrial and Hazardous Waste Sites**

VERSION DATE: 10/05/18

Owner and facility information is included in this database of permitted and non-permitted industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations. The IHW database is maintained by the Texas Commission on Environmental Quality.

**PIHW**

**Permitted Industrial Hazardous Waste Sites**

VERSION DATE: 10/05/18

Owner and facility information is included in this database of all permitted industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations. Permitted IHW facilities are regulated under 30 Texas Administrative Code Chapter 335 in addition to federal regulations. The IHW database is maintained by the Texas Commission on Environmental Quality.

**PST**

**Petroleum Storage Tanks**

VERSION DATE: 11/05/18

The Petroleum Storage Tank database is administered by the Texas Commission on Environmental Quality (TCEQ). Both Underground storage tanks (USTs) and Aboveground storage tanks (ASTs) are included in this report. Petroleum Storage Tank registration has been a requirement with the TCEQ since 1986.

**APAR**

**Affected Property Assessment Reports**

VERSION DATE: 10/05/18

As regulated by the Texas Commission on Environmental Quality, an Affected Property Assessment Report is required when a person is addressing a release of chemical of concern (COC) under 30 TAC Chapter 350, the Texas Risk Reduction Program (TRRP). The purpose of the APAR is to document all relevant affected property information to identify all release sources and COCs, determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary. The Texas Administrative Code Title 30 §350.4(a)(1) defines affected property as the entire area (i.e. on-site and off-site; including all environmental media) which contains releases of chemicals of concern at concentrations equal to or greater than the assessment level applicable for residential land use and groundwater classification.
The Brownfields Site Assessments database is maintained by the Texas Commission on Environmental Quality (TCEQ). The TCEQ, in close partnership with the U.S. Environmental Protection Agency (EPA) and other federal, state, and local redevelopment agencies, and stakeholders, is facilitating cleanup, transferability, and revitalization of brownfields through the development of regulatory, tax, and technical assistance tools.

The Texas Commission on Environmental Quality, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments (COGs) in the State, has located over 4,000 closed and abandoned municipal solid waste landfills throughout Texas. This listing contains "unauthorized sites". Unauthorized sites have no permit and are considered abandoned. The information available for each site varies in detail and this historical information is not updated. Please refer to the specific regional COG for the most current information.

This list of DCRP sites is provided by the Texas Commission on Environmental Quality (TCEQ). According to the TCEQ, the Dry Cleaner Remediation Program (DCRP) establishes a prioritization list of dry cleaner sites and administers the Dry Cleaning Remediation fund to assist with remediation of contamination caused by dry cleaning solvents.

Texas Innocent Owner / Operator (IOP), created by House Bill 2776 of the 75th Legislature, provides a certificate to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination. The IOP database is maintained by the Texas Commission on Environmental Quality.

The Leaking Petroleum Storage Tank listing is derived from the Petroleum Storage Tank (PST) database and is maintained by the Texas Commission on Environmental Quality. This listing includes aboveground and underground storage tank facilities with reported leaks.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Version Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSWLF</td>
<td>Municipal Solid Waste Landfill Sites</td>
<td>09/28/18</td>
</tr>
<tr>
<td>RRCVCP</td>
<td>Railroad Commission VCP and Brownfield Sites</td>
<td>11/20/18</td>
</tr>
<tr>
<td>RWS</td>
<td>Radioactive Waste Sites</td>
<td>07/11/06</td>
</tr>
<tr>
<td>STCV</td>
<td>Salt Caverns for Petroleum Storage</td>
<td>09/01/06</td>
</tr>
<tr>
<td>VCP</td>
<td>Voluntary Cleanup Program Sites</td>
<td>10/01/18</td>
</tr>
<tr>
<td>WMRF</td>
<td>Recycling Facilities</td>
<td>11/01/12</td>
</tr>
</tbody>
</table>

The municipal solid waste landfill database is provided by the Texas Commission on Environmental Quality. This database includes active landfills and inactive landfills, where solid waste is treated or stored.

According to the Railroad Commission of Texas, their Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.

This Texas Commission on Environmental Quality database contains all sites in the State of Texas that have been designated as Radioactive Waste sites.

The salt caverns for petroleum storage database is provided by the Railroad Commission of Texas.

The Texas Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since all non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or underused properties may be restored to economically productive or community beneficial uses. The VCP database is maintained by the Texas Commission on Environmental Quality.

This listing of recycling facilities is provided by the Texas Commission on Environmental Quality's Recycle Texas Online service. The company information provided in this database is self-reported. Since recyclers post their own information, a facility or company appearing on the list does not imply that it is in compliance with TCEQ standards.
regulations or other applicable laws. This database is no longer maintained and includes the last compilation of the program participants before the Recycle Texas Online program was closed.

**IHWCA**

**Industrial and Hazardous Waste Corrective Action Sites**

**VERSION DATE: 12/10/18**

This database is provided by the Texas Commission on Environmental Quality (TCEQ). According to the TCEQ, the mission of the industrial and hazardous waste corrective action program is to oversee the cleanup of sites contaminated from industrial and municipal hazardous and industrial nonhazardous wastes. The goals of this program are to: Ensure that sites are assessed and remediated to levels that protect human health and the environment; Verify that waste management units or facilities are taken out of service and closed properly; and to Facilitate revitalization of contaminated properties.

**SF**

**State Superfund Sites**

**VERSION DATE: 10/13/17**

The state Superfund program mission is to remediate abandoned or inactive sites within the state that pose an unacceptable risk to public health and safety or the environment, but which do not qualify for action under the federal Superfund program (NPL - National Priority Listing). As required by the Texas Solid Waste Disposal Act, Texas Health and Safety Code, Chapter 361, the Texas Commission on Environmental Quality identifies and evaluates these facilities for inclusion on the state Superfund registry. This registry includes any recent developments and the anticipated action for these sites.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Version Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>USTR06</td>
<td>Underground Storage Tanks On Tribal Lands</td>
<td>04/01/18</td>
</tr>
<tr>
<td>LUST06</td>
<td>Leaking Underground Storage Tanks On Tribal Lands</td>
<td>04/01/18</td>
</tr>
<tr>
<td>ODINDIAN</td>
<td>Open Dump Inventory on Tribal Lands</td>
<td>11/08/06</td>
</tr>
<tr>
<td>INDIANRES</td>
<td>Indian Reservations</td>
<td>01/01/00</td>
</tr>
</tbody>
</table>

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.
APPENDIX E
CREDENTIALS
Jennifer A. Mabry
SENIOR STAFF SCIENTIST/ENVIRONMENTAL PROFESSIONAL

PROFESSIONAL EXPERIENCE
In her career with Terracon, Mrs. Mabry has conducted Phase I Environmental Site Assessments (ESAs) for vacant tracts, retail centers, office buildings, multi-family housing, downtown properties, office buildings, industrial properties, power plants, solar energy, and oil/gas facilities. These studies involved consideration of present and former site usage by performing a site and area reconnaissance; interviewing past and present owners; reviewing environmental information provided by federal, state and local regulatory agencies; researching archived historical data including city directories and historical fire insurance maps; interpreting aerial photographs; and evaluating the site’s geologic and hydrogeologic characteristics. Mrs. Mabry has also conducted Naturally Occurring Radioactive Material (NORM) surveys, mold assessments, radon sampling, asbestos sampling, and wetlands/Waters of the U.S. assessments.

PROJECT EXPERIENCE
Environmental Site Assessments & Investigations
Project Manager for numerous ESAs conducted in conjunction with the acquisition of numerous convenience store/gasoline service stations, light industrial office/warehouses, apartment complexes, medical office buildings, agricultural facilities, proposed utility easements, and telecommunication tower sites, etc. throughout the United States.

JP Morgan Chase Tower & Parking Garage – Dallas, Texas
Project Manager for Environmental Site Assessment on a 54-story high-rise office building and associated 14-level parking structure.

Ranch and Large-Scale Properties – Texas
Project Manager for ESAs on multiple ranch and large-scale properties ranging in size from 100 acres to 30,080 acres.

Project Manager for a large ranch property (30,080 acres) with significant active and historical oil/gas production and storage operations located in West Texas.

Oil & Gas Due Diligence
Project Manager or assisted with the site reconnaissance and report completion for Modified Phase I ESAs or ESA reports on numerous oil and gas well production locations, injection and disposal wells, tank batteries, compressor stations, gas plants, field offices, and pipe yards throughout Texas, Oklahoma, Louisiana, New Mexico, Kansas, and North Dakota. Duties included coordination with several Terracon offices, field reconnaissance, regulatory records and historical review, client interaction and reporting, and report writing.

Assistant Field Coordinator for a large Modified Phase I ESA portfolio including 2,604 oil and gas production locations, injection and disposal well locations, central tank batteries, and compressor stations located in southwest Kansas, southeast Colorado, and northwest Oklahoma. Duties included organization of field activities for multiple field personnel, field reconnaissance, regulatory records and historical review, and reporting.

EDUCATION
Bachelors of Science, Environmental Science, West Texas A&M, May 2011

LICENSES/CERTIFICATIONS
40-Hour OSHA Hazardous Waste Operations Training
TDSHS Licensed Asbestos Inspector (License No. 60-3226)
TDSHS Licensed Mold Assessment Technician (License No. MAT1093)
TDSHS Certified Lead Inspector (Certification No. 2060877)
PEC Safeland USA Training Course

AFFILIATIONS
North Texas Association of Environmental Professionals, 2009-2019
Society of Texas Environmental Professionals, 2009-present

WORK HISTORY
Terracon Consultants, Inc., Senior Staff Scientist/Environmental Professional, 2016/2017 to present
Terracon Consultants, Inc., Staff Professional/Scientist, April 2012 to 2016
Theron V. Epp, CESCO
SENIOR ASSOCIATE/ENVIRONMENTAL DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE
Mr. Epp is a Senior Associate and the Environmental Department Manager of Phase I ESAs, Regulatory Compliance services and Natural Resources in Terracon’s Dallas, Texas office. He has over 18 years of experience in environmental services including asbestos sampling, mold assessments, Phase I Environmental Site Assessments (ESAs), and Phase II Limited Site Investigations (LSIs).

He has conducted over 600 site assessments on vacant tracts, retail centers, multi-family housing, downtown properties, office buildings, industrial properties, and oil and gas field properties. He has reviewed and/or provided senior oversight on over 1,500 ESAs conducted across the country. Theron manages multiple regional and nationwide client accounts for environmental due diligence. He prepares environmental site assessment and environmental site investigation reports; researches city directories and regulatory agency files; and reviews aerial photographs and topographic maps. Mr. Epp is also proficient in the coordination of site activities with local, state and federal regulatory agencies.

PROJECT EXPERIENCE
COMMERCIAL
JP Morgan Chase Tower & Parking Garage – Dallas, Texas
Project Manager for Environmental Site Assessment on a 54-story high-rise office building and associated 14-level parking structure.

Ranch and Large-Scale Properties – Texas
Project Manager for Environmental Site Assessments on multiple ranch and large-scale properties ranging in size from 6,000 acres to 20,000 acres.

MUNICIPAL
Mr. Epp was the Environmental Technical Advisor for the following Phase I Environmental Site Assessment projects for local municipalities in the D/FW Metroplex:
- City of Dallas 74-Acre Tract (Pemberton Hill) – Dallas, Texas
- City of Irving Vacant Land (E. Carpenter Fwy) – Irving, Texas
- City of Irving Two Vacant Tracts (Nursery Street) – Irving, Texas
- City of Irving 3.653-Acre Tract of Land (W. Hunter Ferrell) – Irving, Texas
- City of Irving Residential Tract 1 (North Delaware) – Irving, Texas
- City of Irving Residential Tract 2 (Carroll Ave) – Irving, Texas
- City of Irving Residential Tract 3 (West Grauwyler) – Irving, Texas
- City of Irving 3.5-Acre Tract (CR 373/SH 5) – Irving, Texas

City of Irving Environmental Assessment Services Contract – Irving, Texas
Program Manager and Client Liaison for the City of Irving’s Annual Professional Services Agreement with Terracon for Environmental Assessment Services. Environmental services include Phase I and Phase II environmental investigations, municipal setting designation (MSD) consulting, underground storage tank removal and remediation oversight, regulatory compliance, asbestos and lead-based paint surveys and abatement specifications, indoor and outdoor air quality surveys, noise monitoring, on-site air monitoring, demolition project management, property condition surveys, LEED certification services, energy efficiency evaluations, and facilities systems investigation, design, and construction administration. As part of the Environmental Services Contract, Terracon has also assisted the City of Irving in brownfield grant administration, and brownfield assessments.
Theron V. Epp, CESCO (continued)

**OIL & GAS**

**Oil & Gas Due Diligence – Texas, Louisiana, and New Mexico**
Project Manager for Modified Phase I ESA portfolio including 328 oil and gas production locations, central tank batteries, compressor stations, and a gas production facility located in west Texas and southern Louisiana. Duties included field reconnaissance, regulatory records and historical review, client interaction and reporting. Oversaw completion of New Mexico portion of Portfolio.

**Oil & Gas Due Diligence – Kansas, Oklahoma and Colorado**
Assistant Project Manager for a large Modified Phase I ESA portfolio including 2,604 oil and gas production locations, injection and disposal well locations, central tank batteries, and compressor stations located in southwest Kansas, southeast Colorado, and northwest Oklahoma. Duties included organization of field activities for multiple field personnel, field reconnaissance, regulatory records and historical review, and reporting.

**Oil & Gas Due Diligence – Texas and New Mexico**
Project Manager for Modified Phase I ESA portfolio including 805 oil and gas production locations, injection and disposal well locations, central tank batteries, and compressor stations located in west and south Texas and southeast New Mexico. Duties included field reconnaissance, regulatory records and historical review, client interaction and reporting.

**INDUSTRIAL**

**I-20 Distribution Park – Lancaster, Texas**
Technical Advisor for the Phase I Environmental Site Assessment of a new Distribution Park located in Lancaster, Texas. The project site was situated on a 190-acre tract of land.

**Industrial Complex – Los Angeles, California**
Project Manager for Environmental Site Assessment of a 14 building industrial complex located in southern Los Angeles located on the site of a historic military base.
APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS
### Description of Selected General Terms and Acronyms

<table>
<thead>
<tr>
<th>Term/Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACM</td>
<td>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater that one (1)% asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</td>
</tr>
<tr>
<td>AHERA</td>
<td>Asbestos Hazard Emergency Response Act</td>
</tr>
<tr>
<td>AST</td>
<td>Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.</td>
</tr>
<tr>
<td>BGS</td>
<td>Below Ground Surface</td>
</tr>
<tr>
<td>Brownfields</td>
<td>State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.</td>
</tr>
<tr>
<td>BTEX</td>
<td>Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.</td>
</tr>
<tr>
<td>CERCLIS</td>
<td>Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.</td>
</tr>
<tr>
<td>CESQG</td>
<td>Conditionally Exempt Small Quantity Generators</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
</tbody>
</table>
### Description of Selected General Terms and Acronyms

<table>
<thead>
<tr>
<th>Term/Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREC</td>
<td>Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as &quot;a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.&quot;</td>
</tr>
<tr>
<td>DOT</td>
<td>U.S. Department of Transportation</td>
</tr>
<tr>
<td>EPA</td>
<td>U.S. Environmental Protection Agency</td>
</tr>
<tr>
<td>ERNS</td>
<td>Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.</td>
</tr>
<tr>
<td>ESA</td>
<td>Environmental Site Assessment</td>
</tr>
<tr>
<td>FRP</td>
<td>Fiberglass Reinforced Plastic</td>
</tr>
<tr>
<td>Hazardous Substance</td>
<td>As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).</td>
</tr>
</tbody>
</table>
| Hazardous Waste | This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."

### Historical Recognized Environmental Condition

**Historical Recognized Environmental Condition** is defined in ASTM E1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."

### Innocent Landowner/Operator Program

A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

### Large Quantity Generators

Large Quantity Generators (LQG)

### Leaking Underground Storage Tank

Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
**Description of Selected General Terms and Acronyms**

<table>
<thead>
<tr>
<th>Term/Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCL</td>
<td>Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.</td>
</tr>
<tr>
<td>MSDS</td>
<td>Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA’s Hazard Communication Standard.</td>
</tr>
<tr>
<td>NESHAP</td>
<td>National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.</td>
</tr>
<tr>
<td>NFRAP</td>
<td>Facilities where there is “No Further Remedial Action Planned,” as more particularly described under the Records Review section of this report.</td>
</tr>
<tr>
<td>NOV</td>
<td>Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.</td>
</tr>
<tr>
<td>NPDES</td>
<td>National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.</td>
</tr>
<tr>
<td>NPL</td>
<td>The NPL is the EPA’s database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration or Occupational Safety and Health Act</td>
</tr>
<tr>
<td>PACM</td>
<td>Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.</td>
</tr>
<tr>
<td>PCB</td>
<td>Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.</td>
</tr>
<tr>
<td>pCi/L</td>
<td>picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.</td>
</tr>
<tr>
<td>PLM</td>
<td>Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)</td>
</tr>
<tr>
<td>PST</td>
<td>Petroleum Storage Tank. An AST or UST that contains a petroleum product.</td>
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<tr>
<td>Radon</td>
<td>A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building’s construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor “action level” concentration for residential structures is 4.0 pCi/l.</td>
</tr>
<tr>
<td>RCRA Generators</td>
<td>The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.</td>
</tr>
<tr>
<td>RCRA CORRACTS/TSBs</td>
<td>The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing “corrective action”. A “corrective action” order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.</td>
</tr>
<tr>
<td>RCRA Non-CORRACTS/TSBs</td>
<td>The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.</td>
</tr>
<tr>
<td>Term/Acronym</td>
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<tr>
<td>RCRA Violators List</td>
<td>RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.</td>
</tr>
<tr>
<td>REC</td>
<td>Recognized Environmental Conditions are defined by ASTM E1527-13 as &quot;the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. De minimis conditions are not recognized environmental conditions.&quot;</td>
</tr>
<tr>
<td>SCL</td>
<td>State “CERCLIS” List (see SPL /State Priority List, below).</td>
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<tr>
<td>SPCC</td>
<td>Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.</td>
</tr>
<tr>
<td>SPL</td>
<td>State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State “CERCLIS” List.</td>
</tr>
<tr>
<td>SQG</td>
<td>Small Quantity Generator</td>
</tr>
<tr>
<td>SWF/LF</td>
<td>State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.</td>
</tr>
<tr>
<td>TPH</td>
<td>Total Petroleum Hydrocarbons</td>
</tr>
<tr>
<td>TRI</td>
<td>Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.</td>
</tr>
<tr>
<td>USACE</td>
<td>United States Army Corps of Engineers</td>
</tr>
<tr>
<td>USC</td>
<td>United States Code</td>
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<tr>
<td>USGS</td>
<td>United States Geological Survey</td>
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<tr>
<td>USNRC</td>
<td>United States Department of Agriculture-Natural Resource Conservation Service</td>
</tr>
<tr>
<td>UST</td>
<td>Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).</td>
</tr>
<tr>
<td>VCP</td>
<td>State and/or Tribal facilities included as Voluntary Cleanup Program sites.</td>
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<tr>
<td>VOC</td>
<td>Volatile Organic Compound</td>
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<td>Wetlands</td>
<td>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates &quot;waters of the US,&quot; also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U.S.; (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</td>
</tr>
</tbody>
</table>